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Government of India

Ministry of Health and Family Welfare

# Karnataka



**National Family Health  
Survey (NFHS-5)**

**2019-20**

**India**



International Institute for Population Sciences  
Deonar, Mumbai 400 088

# **NATIONAL FAMILY HEALTH SURVEY (NFHS-5)**

**INDIA**

**2019-20**

**KARNATAKA**

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## INTRODUCTION

The 2019-20 National Family Health Survey (NFHS-5), the fifth in the NFHS series, provides information on population, health, and nutrition for India and each state and union territory. Like NFHS-4, NFHS-5 also provides district-level estimates for many important indicators. All five NFHS surveys have been conducted under the stewardship of the Ministry of Health and Family Welfare (MoHFW), Government of India. MoHFW designated the International Institute for Population Sciences (IIPS), Mumbai, as the nodal agency for the surveys. Funding for NFHS-5 was provided by the Government of India. Technical assistance and additional funding for NFHS-5 was provided by the USAID-supported Demographic and Health Surveys Program, ICF, USA. Assistance for some of the Clinical, Anthropometric, and Biochemical (CAB) tests was provided by the ICMR and the National AIDS Research Institute (NARI), Pune.

Four survey questionnaires—household, woman’s, man’s, and biomarker—were used to collect information in 19 languages using Computer Assisted Personal Interviewing (CAPI). All women age 15-49 and men age 15-54 in the selected sample households were eligible for interviewing. In the household questionnaire, basic information was collected on all usual members of the household and visitors who stayed in the household the previous night, as well as socioeconomic characteristics of the household, water and sanitation, health insurance, and number of deaths in the household in the three years preceding the survey. Two versions of the woman’s questionnaire were used in NFHS-5. The first version (district module), which collected information on women’s characteristics, marriage, fertility, contraception, reproductive health, children’s immunizations, treatment of childhood illnesses, and nutrition was fielded in the entire sample of NFHS-5 households. Information on these topics is available at the district, state, and national levels. In the second version of the questionnaire (state module), four additional topics, namely, sexual behaviour, HIV/AIDS, husband’s background and women’s work, and domestic violence, were also included. This version was fielded in a subsample of NFHS-5 households designed to provide information only at the state and national levels. The man’s questionnaire covered the man’s characteristics, marriage, number of children, contraception, fertility preferences, nutrition, sexual behaviour, attitudes towards gender roles, HIV/AIDS, and lifestyle. The biomarker questionnaire covered measurements of height, weight, and haemoglobin levels for children; height, weight, waist and hip circumference, haemoglobin levels, and finger-stick blood for additional CAB testing in a laboratory for women age 15-49 and men age 15-54; and blood pressure and random blood glucose for women and men age 15 years and over. Questionnaire information and biomarkers were collected only with informed consent from the respondents.

The NFHS-5 sample was designed to provide estimates of all key indicators at the national and state levels, as well as estimates for most key indicators at the district level (for all 707 districts in India, as on 31 March, 2017). The total sample size of approximately 610,000 households for India was based on the size needed to produce reliable indicator estimates for each district. The rural sample was selected through a two-stage sample design with villages as the Primary Sampling Units (PSUs) at the first stage (selected with probability proportional to size), followed by a random selection of 22 households in each PSU at the second stage. In urban areas, there was also a two-stage sample design with Census Enumeration Blocks (CEB)

selected at the first stage and a random selection of 22 households in each CEB at the second stage. At the second stage in both urban and rural areas, households were selected after conducting a complete mapping and household listing operation in the selected first-stage units.

Readers should be cautious while interpreting and comparing the trends as some States/UTs may have a smaller sample size. Moreover, at the time of survey, *Ayushman Bharat AB-PMJAY* and *Pradhan Mantri Surakshit Matritva Abhiyan (PMSMA)* were not fully rolled out and hence, their coverage may not have been factored in the results of the percentage of households with any usual member covered under a health insurance/financing scheme and the percentage of mothers who received 4 or more antenatal care visits, respectively. Hence, the results should be interpreted with caution.

NFHS-5 fieldwork for Karnataka was conducted in all 30 districts of the state from 10 July, 2019 to 11 December, 2019 by Nielsen India Pvt. Ltd. Information was collected from 26,574 households, 30,455 women age 15-49 (including 4,555 women interviewed in PSUs in the state module), and 4,516 men age 15-54.

This report presents the key findings of the NFHS-5 survey in Karnataka, followed by detailed tables and an appendix on sampling errors. At the time of finalization of this report, wealth quintiles for the country as a whole were not ready. Therefore, on finalization of the national report, the breakup of key indicators by wealth quintiles for all states will be provided as an additional document and uploaded on the official website of MoHFW and IIPS.

## HOUSEHOLD CHARACTERISTICS

Important household characteristics includes household composition, housing characteristics, household possessions, access to a toilet facility, and education. The household characteristics reflect the environmental risk factors and behavioural outcomes of the household population, including their likely impact on health status.

### Household composition

In Karnataka, almost three-fifths (59%) of the households are in rural areas. On average, households are comprised of 4.2 members. Twenty-three percent of households are headed by women, with 20 percent of the population living in female-headed households.

Eighty-eight percent of households in Karnataka have household heads who are Hindu. Ten percent of households have household heads who are Muslim and 2 percent of households have household heads who are Christian.

One-fifth of households in Karnataka have household heads who belong to a scheduled caste, 11 percent belong to a scheduled tribe, and 55 percent belong to an other backward class. Thirteen percent of household heads do not belong to a scheduled caste, a scheduled tribe, or an other backward class. The majority of households (56%) are nuclear, and 58 percent of the population reside in non-nuclear households.

Less than one-quarter (23%) of Karnataka's population is under age 15; only 9 percent is age 65 and over. The overall sex ratio of the population is 1,034 females per 1,000 males, and the sex ratio of the population under 7 years of age is lower at 953 females per 1,000 males. Ninety-six percent of persons have an *Aadhaar* card.

Among children below 18 years of age, 5 percent have experienced the death of one or both parents. In all, 87 percent of children below 18 years of age live with both parents, 10 percent live with one parent (mostly with their mother), and the remaining 4 percent live with neither parent. Births of almost all children (98%) under 5 years of age were registered with the civil authorities, and 87 percent of children have a birth certificate.

### Death registration

Eighty-seven percent of deaths of usual household members in the three years preceding the survey were registered with the civil authorities (80% of deaths at age 0-4, 84% of deaths at age 25-34, and 89% of deaths at age 35 and above).

The distribution of death registrations by religion shows that 87 percent of deaths were registered among Hindus and 79 percent among Muslims. Eighty-eight percent of deaths were registered among other backward classes, 87 percent among scheduled castes, and 83 percent among scheduled tribes. Overall in Karnataka, death registration is higher in urban (89%) than rural areas (86%) and among males (88%) than females (84%).

## Disability

The respondent to the Household Questionnaire provided information for all usual household members on whether or not they have any disability in specified domains. The domains of disability are hearing, speech, visual, mental, locomotor, and other. Just over 1 percent (1.2%) of the *de jure* household population has any disability. The most prominent type of disability is locomotor (0.4%). Men are slightly more likely than women to have any disability (2% men compared with 1% women). The proportion of household members who have any disability rises with increasing age. For instance, almost 2 percent of the household members age 35 and above are reported to have any disability, compared with about 1 percent of household members in the younger age groups.

## Housing characteristics

Nearly two-thirds (64%) of households in Karnataka live in a *pucca* house and almost all (99%) households have electricity.

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*Nearly half (47%) of households in Karnataka have water piped into their dwelling, yard, or plot.*

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Ninety-three percent of households in Karnataka have basic drinking water service, and 96 percent of households use an improved source of drinking water, but only 47 percent have water piped into their dwelling, yard, or plot. Urban households (59%) are more likely than rural households (38%) to have water piped into their dwelling, yard, or plot. Thirty-nine percent of households use an appropriate treatment method to make drinking water potable (mostly by straining water through cloth and boiling). A large majority of households (80%) in Karnataka use a clean fuel for cooking.

## Access to toilet facility

Safe sanitation is one of the foundations of a healthy, comfortable, and dignified life. Households without proper sanitation facilities have a greater risk of diseases like diarrhoea, dysentery, and typhoid than households with improved sanitation facilities that are not shared with other households.

Eighteen percent of all households, including one-quarter of rural households, do not use a sanitation facility; they use open spaces or fields. In Karnataka, 83 percent of households have access to a toilet facility, with a much higher accessibility in urban areas (93%) than in rural areas (76%). Access to a toilet facility for households ranges from 76 percent among scheduled castes to 88 percent among those households not belonging to a scheduled caste, scheduled tribe or an other backward class. Access to a toilet facility varies widely across the districts, ranging from 47 percent in Yadgir district to all households in Dakshina Kannada district. Interestingly, all households in urban areas have access to a toilet facility in only three districts (Dakshina Kannada, Kodagu, and Udupi).

## **Selected household possessions**

In Karnataka, 47 percent of households own a house (53% of rural households and 37% of urban households). Ninety-five percent of urban households and 91 percent rural households in Karnataka have a mobile phone. Ninety-five percent of households have a bank or post office account. Sixty-one percent of households own either a motorcycle or a scooter. BPL cards are held by 79 percent of households. Irrigated land is owned by 28 percent of rural households and 5 percent of urban households. Overall, 42 percent of all households in Karnataka own agricultural land, and nearly one-third (31%) of households own farm animals.

## **Background characteristics of respondents**

Twenty-nine percent of both women and men are in the 15-24 age group, while 31 percent and 29 percent of women and men, respectively, are in the 25-34 age group. Almost three-fifths of both women (59%) and men (58%) age 15-49 are in rural areas.

In NFHS-5, literate persons are those who have either completed at least standard 9 or passed a simple literacy test conducted as part of the survey. According to this measure, 73 percent of women age 15-49 and 85 percent of men age 15-49 are literate.

Twenty percent of women and 11 percent of men age 15-49 have never been to school. Only 28 percent of women age 15-49 in Karnataka have completed 12 or more years of schooling, compared with 34 percent of men.

Media exposure is quite widespread among women and men in Karnataka. Nearly three-quarters (74%) of women and more than two-thirds (68%) of men watch television at least once a week. However, men (43%) are much more likely than women (29%) to read a newspaper or magazine at least once a week. Thirteen percent of men and 20 percent of women are not regularly exposed to print media or other forms of media.

Women are more likely than men to be currently married (72% versus 57%) or widowed (5% versus 0.3%), while men are more likely than women to be never married (42% versus 22%).

A majority of female respondents are Hindus (86%), while 12 percent are Muslims, and 2 percent are Christian.

Fifty-six percent of female respondents belong to an other backward class, while 21 percent belong to a scheduled caste. Eleven percent of women and 9 percent of men belong to a scheduled tribe, while 14 percent of men and 11 percent of women 15-49 do not belong to a scheduled caste, a scheduled tribe, or an other backward class.

Fifty-nine percent of women and 19 percent of men age 15-49 were not employed in the 12 months preceding the survey. Four percent of women and 34 percent of men were engaged in an agricultural occupation, while 35 percent of women and 40 percent of men were employed in a non-agricultural occupation.



## EDUCATION

In NFHS-5, information related to preschool attendance has been collected for the first time, in addition to school attendance among children age 6-17 years and educational attainment of other members of the household, including reasons for drop-out in the case of those who discontinued education.

### Preschool attendance

In India many children attend *Anganwadi* Centres that provide spaces for children to learn, play, eat nutritious food, and develop the skills needed for a lifetime of learning. Attending pre-primary education, such as at an *Anganwadi* Centre, improves children's school readiness by providing quality learning through interactive, play methods with qualified instructors. Also, parents or guardians can go to work at ease if children are enrolled in pre-primary education.

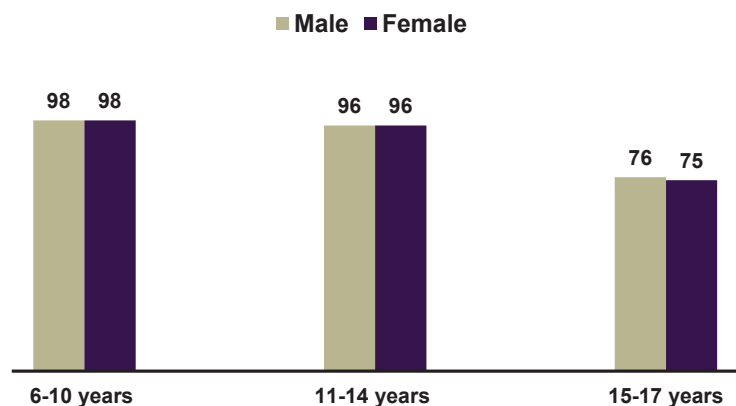
In Karnataka, 40 percent each of boys and girls age 2-4 years attend preschool. Preschool attendance is moderately lower among children in nuclear households (39%) than children in non-nuclear households (41%). Preschool attendance among children is highest in households headed by Christians (44%) and is same (40% each) in households headed by Hindus and Muslims. Preschool attendance is lowest among scheduled caste households (38%) and highest in households not belonging to a scheduled caste, scheduled tribe or other backward class (43%). There is no differential in preschool attendance among children by family size of household. Overall, urban households (38%) show slightly lower preschool attendance than rural households (41%). Preschool attendance is highest in Mandya and Udupi districts (56% each) and is lowest in Bangalore district (31%).

### School attendance among children

Ninety-two percent of children age 6-17 years in Karnataka attend school (94% in urban areas and 91% in rural areas). School attendance is almost universal (97%) at age 6-14 years, but drops sharply to 75 percent at age 15-17 years. There is no gender disparity in school attendance in the 6-17 year age group.

#### Are there gender differentials in children's school attendance?

Percentage of children attending school by age



# FERTILITY

This section provides trends in the total fertility rate, age at marriage, pregnancy outcomes, teenage pregnancy, birth interval, the desire for more children, and son preference. NFHS-5 estimates on the median age at marriage, total fertility rate, and teenage motherhood illustrated in this section can help in setting benchmarks for the Sustainable Development Goals at the sub-national level.

## Age at first marriage

In Karnataka, the median age at first marriage is 20.2 years among women age 25-29 years and 19.6 years among women age 20-49 years. Only 11 percent of women age 20-49 years have never married, compared with 32 percent of men age 20-49. Twenty-one percent of women age 20-24 years got married before attaining the legal minimum age of 18 years, which remains unchanged since NFHS-4. Two-fifths of women age 20-24 years are never married, compared with almost all (95%) men in the same age group, showing that the age at marriage is much lower for women than men in Karnataka.

## Fertility levels

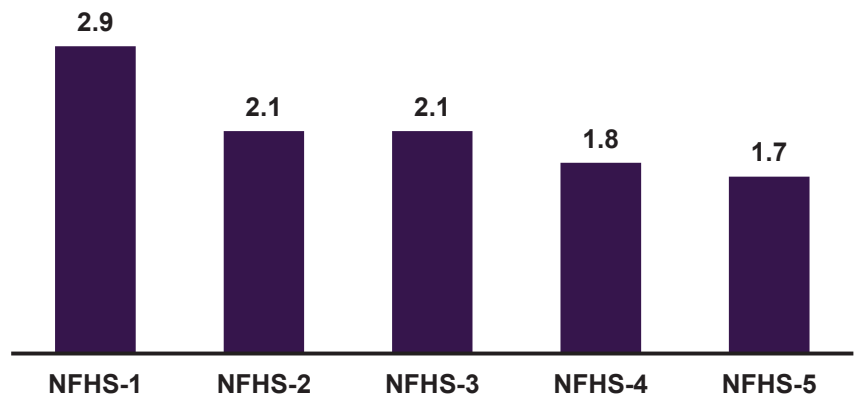
The total fertility rate (TFR) in Karnataka is 1.7 children per woman, which is well below the replacement level of fertility. Fertility has decreased by 0.1 children between NFHS-4 and NFHS-5.

The total fertility rate in urban areas, at 1.5 children per woman, and in rural areas, at 1.8 children per woman, are both much below the replacement level. Among births in the three years preceding the survey, 5 percent were of birth order four or higher, which is the same as in NFHS-4.

The greatest differentials in fertility are by religion, and schooling. At current fertility rates, women with no schooling will have an average of 0.4 children more than women with 12 or more years of schooling. Muslim women will have an average of 0.4 children more than Hindu women (a TFR of 2.1, compared with 1.6) and 0.6 children more than Christian women (a TFR of 1.5).

### Fertility Trends

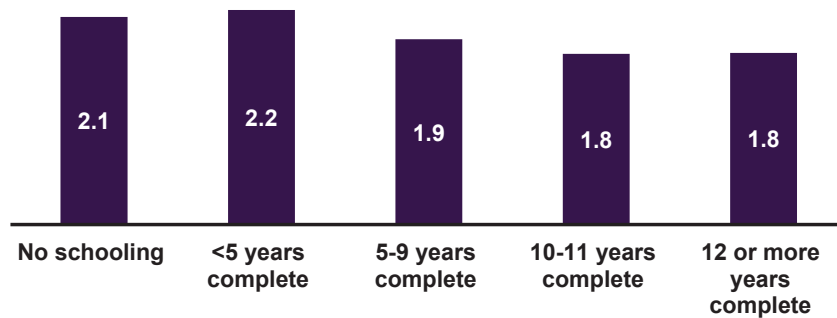
*Total fertility rate  
(children per woman)*



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## How does fertility vary with schooling?

Total fertility rate (children per woman)



### Pregnancy outcome

Ninety-three percent of last pregnancies in the five years preceding the survey ended in a live birth, and the remaining 7 percent terminated in foetal wastage (abortion, miscarriage, or stillbirth). Miscarriage is the most commonly reported type of foetal wastage, accounting for 5 percent of all pregnancies, and abortions accounted for 2 percent.

The three main reasons for seeking abortion reported by women were health did not permit (20%), complications in pregnancy (18%), and unplanned pregnancy (17%). The most common methods used for performing abortions were medicines (74%), other surgical methods (15%), and manual vacuum aspiration (MVA) (4%). Most (60%) of abortions were performed in the private health sector and 26 percent were performed in the public health sector. Sixteen percent of women reporting an abortion reported having complications from the abortion. More than three-quarters (77%) of abortions in Karnataka are performed by a doctor.

### Teenage pregnancy

Among young women age 15-19 in Karnataka, 5 percent have already begun childbearing, that is, they have already had a live birth or are pregnant with their first child, down from 8 percent in NFHS-4. The proportion of women who have started childbearing rises sharply from 2 percent at age 17 years to 6 percent among women age 18 years and to 17 percent among women age 19 years. The proportion who have started childbearing is much higher among young women who had no schooling (18%) than those with 12 or more years of schooling (3%).

### Birth intervals

The median interval between births in the five years before the survey in Karnataka is 31 months. Ten percent of births take place within 18 months of the previous birth and 29 percent occur within 24 months. The proportion of births occurring within 24 months of a previous birth is particularly high (35%) for mothers age 20-29 and for births occurring after a deceased sibling (52%). Three-fifths of all births occur within three years of the previous birth. Research shows that waiting at least three years between children reduces the risk of infant mortality and has a positive impact on maternal health.

*Three-fifths of births in Karnataka occur within three years of the previous birth.*

### Fertility preferences

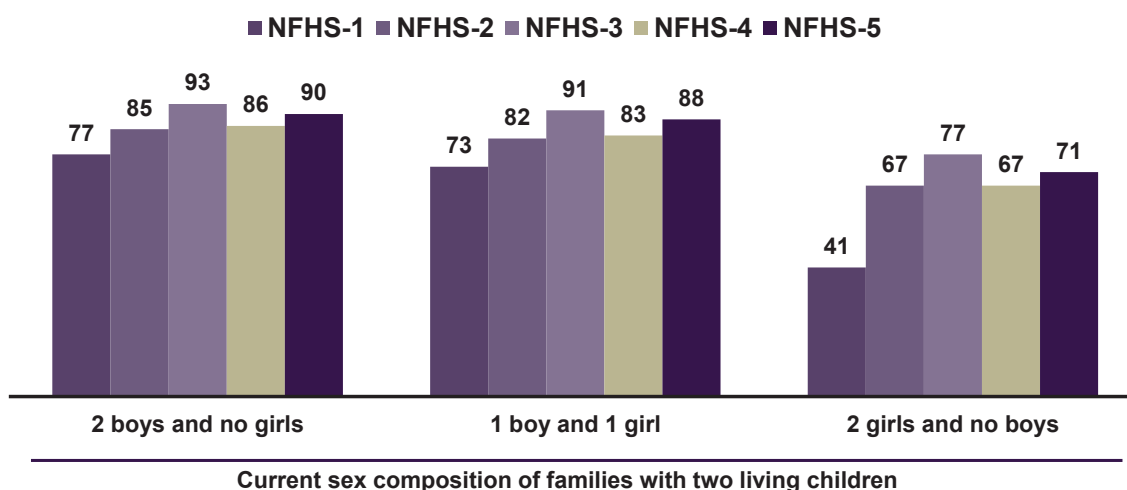
Sixty-nine percent of currently married women and 65 percent of men age 15-49 years want no more children, are already sterilized, or have a spouse who is sterilized. Among those who want another child, 33 percent of women and 38 percent of men would like to wait at least two years before the next birth. Eighty-two percent of women and 79 percent of men consider the ideal family size to be two or fewer children.

In Karnataka, there is a strong preference for sons. Fourteen percent of women and 16 percent of men want more sons than daughters, but only 6-7 percent of women and men want more daughters than sons. However, a little over three-quarters of women (76%) and men (77%) would like to have at least one son and less than three-quarters (73% each) of women and men want at least one daughter.

Women's desire for more children is strongly affected by their current number of sons. For example, among women with two children, 90 percent with two sons and 88 percent with one son want no more children, compared with 71 percent with two daughters who want no more children. Notably, the proportion of currently married women and men with two children who want no more children irrespective of their number of sons has increased substantially for women by 5 percentage points and 3 percentage points for men in the 4 years since NFHS-4.

### How does son preference affect women's desire for children?

*Percentage of currently married women with two children who want no more children*



In Karnataka, unplanned pregnancies are fairly common. If all women were to have only the number of children they wanted, the total fertility rate would have been 1.4 children per woman, instead of the current level of 1.7 children per woman.

# FAMILY PLANNING

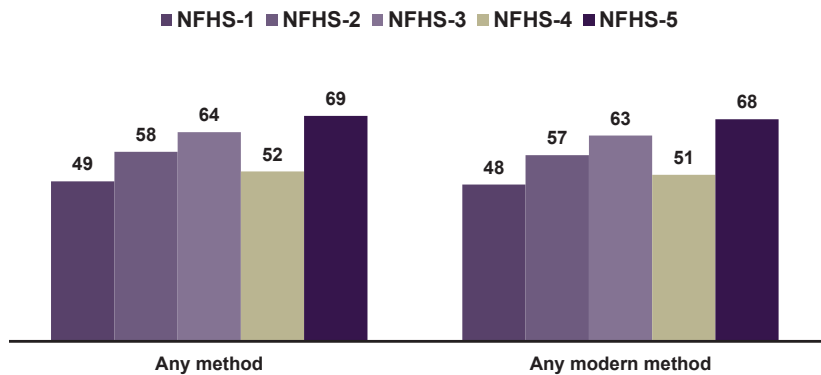
The family planning section covers trends in contraceptive knowledge and current use, informed choice, and unmet need for family planning methods among women age 15-49 years. It also includes information on men’s attitude towards women using a contraceptive method. As in previous rounds of the survey, NFHS-5 provides estimates of the contraceptive prevalence rate and unmet need for family planning.

## Contraceptive knowledge and use

Knowledge of contraception is almost universal in Karnataka. However, some methods are still less well known. Only 38 percent of currently married women know about female condoms and 57 percent know about emergency contraception. Among all women, only 66 percent know about the lactational amenorrhoea method (LAM).

### How many women use family planning?

Percentage of currently married women



The contraceptive prevalence rate (CPR) among currently married women age 15-49 is 69 percent, much higher than its level in NFHS-4 (52%). The use of modern family planning methods (68%) has also increased from its level in NFHS-4 (51%). The use of female sterilization has increased, from 49 percent to 57 percent between NFHS-4 and NFHS-5; the share of female sterilization in overall contraceptive use has fluctuated between 79 and 94 percent in all five NFHS surveys. Contraceptive use in NFHS-5 increases sharply with age, from 19 percent for women age 15-19 to 84 percent for women age 40-49.

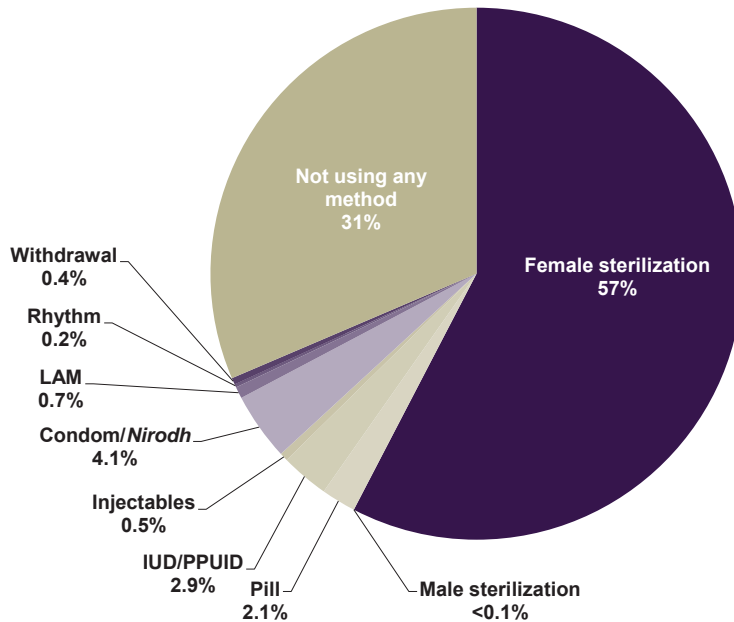
In Karnataka, contraceptive use shows little difference in rural and urban areas. Contraceptive prevalence decreases with increasing schooling of women. Seventy-three percent of currently married women with no schooling use female sterilization, compared with only 35 percent of women with 12 or more years of schooling. Muslim women (63%) are less likely to use contraception than either Hindu (69%) or Christian women (73%).

Women in Karnataka are much more likely to use contraception if they already have a son. For example, among women with two children, 86 percent with at least one son use a method of family planning, compared with 75 percent of women with two daughters and no sons.

The most common modern spacing methods used by currently married women in Karnataka are condom (4%), followed by the IUD or PPIUD (3%) and pill (2%). In general, urban women and better-educated women are more likely than other women to use spacing methods.

## What contraceptive methods do women use?

Currently married women



Eighty-four percent of sterilized women had their sterilization operation in the public sector, mainly in a government or municipal hospital, and three-quarters of IUD or PPIUD users had their IUD insertion in a public sector.

A majority (67%) of pill users and more than two-fifths (45%) of condom/Nirodh users get their supply from the public health sector. Nonetheless, 31 percent of pill users and 47 percent of condom/Nirodh users get their supply from the private health sector.

The 12-month discontinuation rate for any reason is 41 percent for all

contraceptive methods. Two-thirds of users of modern spacing methods discontinued use within the first year after they adopted the method. The most common reason for discontinuation is the desire to become pregnant.

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*Two-thirds of users of modern spacing methods discontinued use within the first year after they adopted the method.*

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### Informed choice

Women who know about all available contraceptive methods and their side effects can make better choices about what method to use. Seventy-eight percent of users of selected modern contraceptive methods were ever told by a health or family planning worker about other methods they could use. Almost three-quarters (73%) were told about the possible side effects or problems with their method, and fewer (67%) were told what to do if they experienced any side effects.

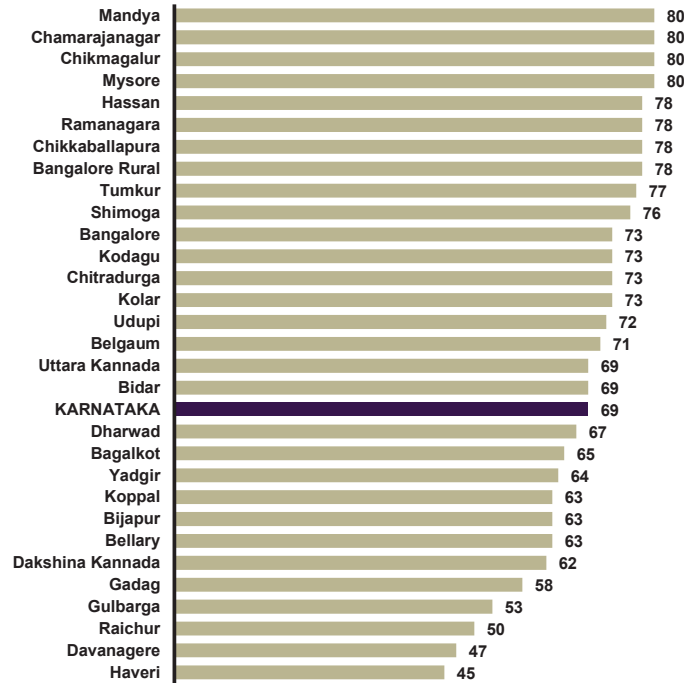
### Men's attitudes

Forty-five percent of men age 15-49 in Karnataka agree that contraception is women's business and a man should not have to worry about it. However, 31 percent of men think that women using contraception may become promiscuous. Half of men (51%) know that a condom, if used correctly, protects against pregnancy most of the time.



## Contraceptive Prevalence Rate by District

Percentage of currently married women



### Unmet need

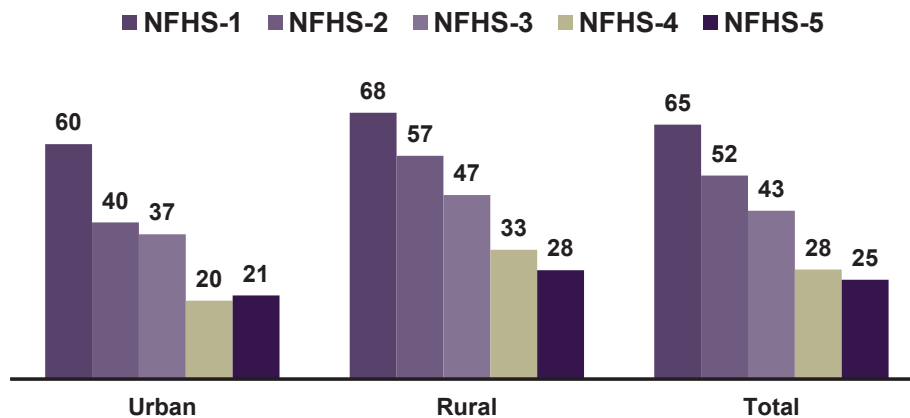
Unmet need for family planning is defined as the percentage of currently married women who either want to space their next birth or stop childbearing entirely, but are not using contraception. According to this definition, 6 percent of currently married women have an unmet need for family planning, a considerable drop since NFHS-4 (10%). Currently, 91 percent of the demand for family planning is being satisfied and same share of the demand is being satisfied by modern methods.

## INFANT AND CHILD MORTALITY

The mortality rate among children under age 5 years including neonatal, post-neonatal and infant mortality rates is an important indicator that measures the overall well-being of country. The infant mortality rate in Karnataka in NFHS-5 is estimated at 25 deaths before the age of one year per 1,000 live births, down from the NFHS-4 estimate of 28, the NFHS-3 estimate of 43, the NFHS-2 estimate of 52, and the NFHS-1 estimate of 65. The under-five mortality rate (U5MR) in Karnataka is estimated to be 30 deaths before the five years of age per 1,000 live births, down since NFHS-4 (32 deaths per 1,000 live births).

## Trends in Infant Mortality

Deaths per 1,000 live births

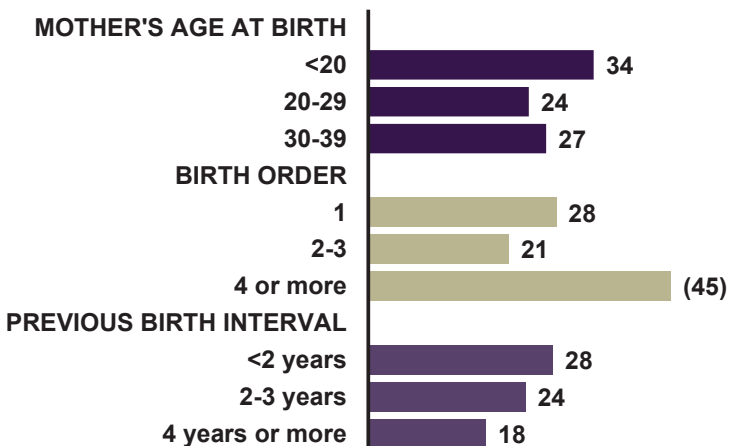


As expected, boys generally have higher mortality rates than girls, especially during the neonatal period. Girls and boys have almost same mortality rate between ages 1 and 5 years.

Children born to mothers under age 20 are more likely to die during infancy than children born to mothers in the prime childbearing age (20-29 years). Infant mortality is 34 per 1,000 live births for teenage mothers and 27 per 1,000 live births for mothers age 30-39, compared with 24 per 1,000 live births for mothers age 20-29.

## High-risk births have higher mortality rates

Deaths in the first year of life per 1,000 live births



Note: Category "Mother's age at birth 40-49" is not shown since there are fewer than 250 unweighted person-years of exposure to the risk of death; figures in parentheses are based on 250-499 unweighted person-years of exposure to the risk of death.

Infant mortality rates are higher for Hindus (27 per 1,000 live births) than for Muslims (18 per 1,000 live births) and for scheduled castes (30 per 1,000 live births), scheduled tribes (29 per 1,000 live births) and other backward classes (26 per 1,000 live births), than for those not belonging to a scheduled caste, scheduled tribe or an other backward class (13 per 1,000 live births).

The infant mortality rate is higher in rural areas (28 per 1,000 live births) than in urban areas (21 per 1,000 live births). The infant mortality rate is much higher for children whose mothers have no

schooling (36 per 1,000 live births) than for children whose mothers who have completed 10 or more years of schooling (20 per 1,000 live births).

*Children born to the teenage mothers are more likely to die during infancy than to mothers age 20-29.*

## MATERNAL HEALTH

Maternal health is an important aspect for the development of any country in terms of increasing equity and reducing poverty. The survival and well-being of mothers are not only important in their own right, but are also central to solving broader economic, social, and developmental challenges. Maternal health care services are essential for the health and wellbeing of mothers, as well as their children, affecting the overall population and its health and nutritional status. This section describes the utilization of antenatal care, delivery care, and postnatal care by women who reported their last births in the five years preceding the survey. It also shows the extent of male involvement in maternal health care.

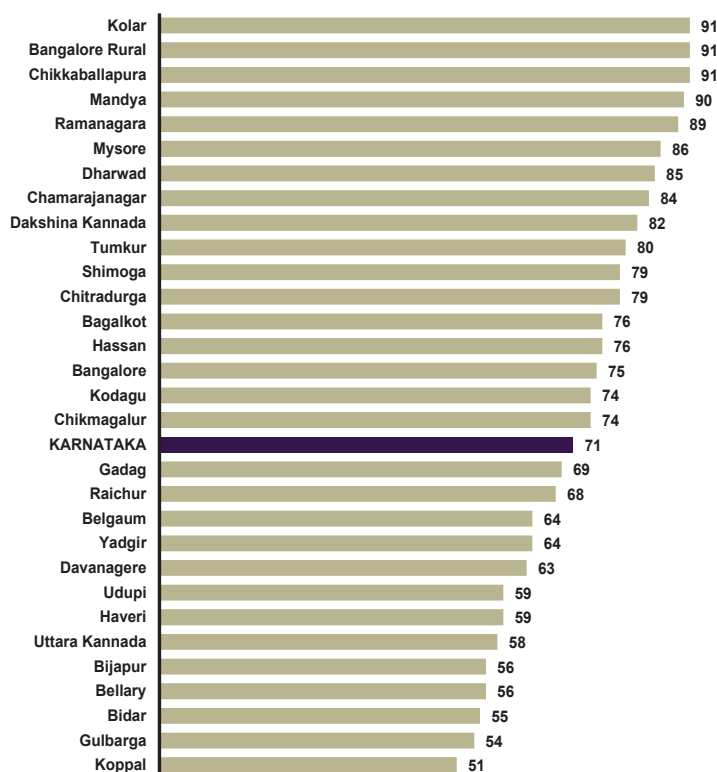
### Antenatal care

Among mothers who gave birth in the five years preceding the survey, almost all (97%) received antenatal care for their last birth from a health professional (84% from a health professional (84% from a doctor and 13% from an auxiliary nurse midwife (ANM), lady health visitor (LHV), nurse, or midwife). Two percent did not receive any antenatal care (ANC). Among mothers who gave birth in the five years preceding the survey, 98 percent registered the pregnancy for the most recent live birth. Among the registered pregnancies, almost all (98%) received a Mother and Child Protection Card (MCP Card).

Just over seven-tenths (71%) of women received antenatal care during the first trimester of pregnancy, as is recommended.

Seventy-one percent of mothers had four or more antenatal care visits. Muslim women were less likely to receive four or more antenatal visits than Hindu or Christian women.

**Four or More Antenatal Care Visits by District**  
Percentage of last births in the past five years



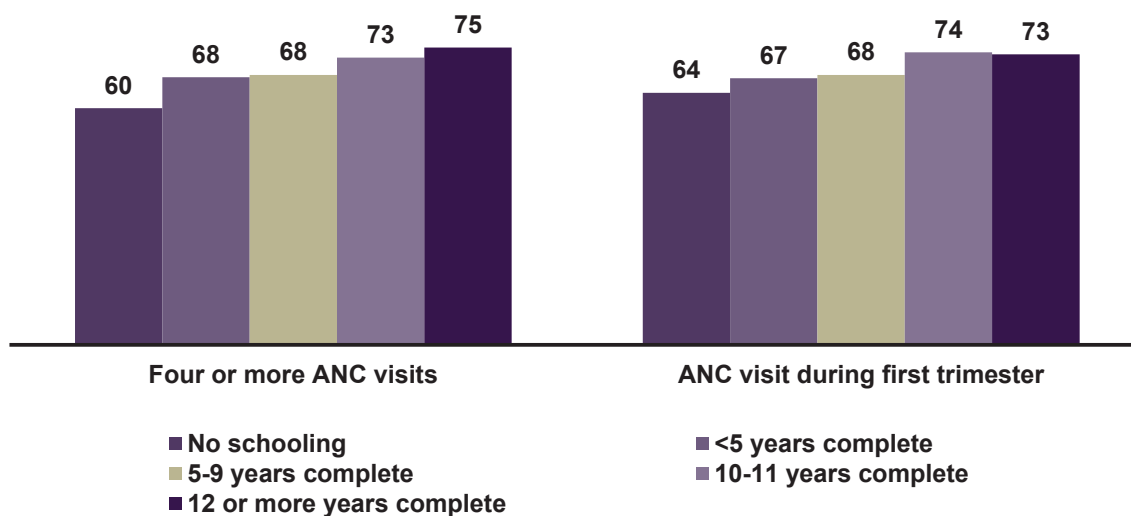
Since NFHS-4, there has been an increase in the percentage of mothers who had an antenatal check in the first trimester (from 66% to 71%) and a nominal increase in the proportion of women who had four or more antenatal care visits (from 70% to 71%). For 89 percent of their last births, mothers received iron and folic acid (IFA) supplements, but only 45 percent consumed them for the recommended 100 days or more and only 27 percent consumed them for the newly recommended 180 days or more. Ninety-four percent of last births were protected against neonatal tetanus through tetanus toxoid vaccinations given to the mother. Forty-five percent of mothers took an intestinal parasite drug during pregnancy.

*Seventy-one percent of mothers in Karnataka had at least four antenatal care visits for their last birth.*

Among women with a live birth in the five years preceding the survey who met with a community health worker in the last three months of pregnancy for their most recent live birth, at least 9 in 10 received advice on each of five different areas (96% each received advice on breastfeeding and on keeping the baby warm, 94% each on the importance of institutional delivery and on cord care, and 90% on family planning).

### How does appropriate antenatal care vary (ANC) with schooling?

*Percentage of last births in the past five years*



Even when women receive antenatal care, sometimes they do not receive all the services needed to monitor their pregnancy. In Karnataka, 98 percent or more of women who received antenatal care for their last birth received each of the services needed to monitor their pregnancy: their blood pressure measured (100%), having their weight taken, having a urine sample taken and having a blood sample taken (99% each), and having their abdomen examined (98%).

An ultrasound test was performed during 94 percent of pregnancies in the five years preceding the survey. Women with at least 10 years of schooling were slightly more likely to have an ultrasound test than women with no schooling. Ninety-five percent of women with at least 10 years of schooling had an ultrasound test compared with 92 percent of women with no schooling. Pregnant women with no sons were more likely to have an ultrasound test than those with at least one son. For example, among women with two children, those with no sons (93%) were somewhat more likely to have an ultrasound test during their next pregnancy than those who had at least one son (92%).

## Delivery care

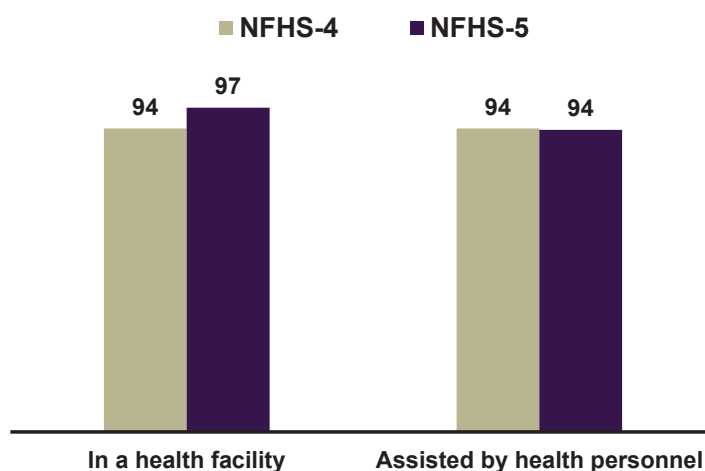
Ninety-seven percent of births take place in a health facility (mostly a government facility) and 3 percent take place at home. The percentage of births in a health facility increased in the 4 years from 94 percent in NFHS-4 to 97 percent in NFHS-5. Institutional births are more common among women who have received an antenatal check, women with 10 or more years of schooling, women who are having their first birth, and urban women.

For 79 percent of home births, a clean blade was used to cut the cord, as is recommended. A disposable delivery kit was used for 48 percent of deliveries.

Eighty-one percent of home births followed the recommendation that the baby should be immediately wiped dry and then wrapped without being bathed first.

### Are babies being delivered safely?

Percentage of births in the past five years



*Ninety-seven percent of children in Karnataka who were born in the past five years were born in a health facility.*

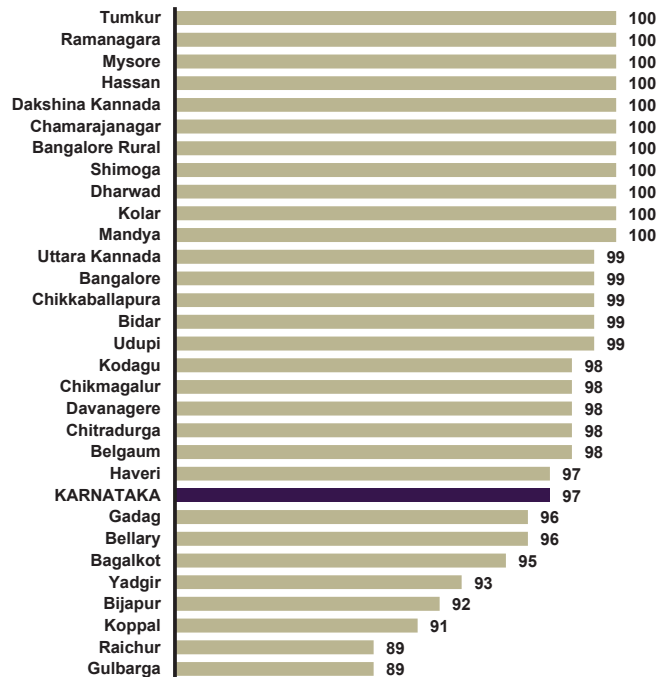
Ninety-four percent of births during the past five years took place with assistance from a skilled provider, and less than 1 percent (0.4%) were delivered by a traditional birth attendant.

Thirty-two percent of births during the past five years were delivered by caesarean section. Forty-three percent of caesarean sections (14% of all births) were emergency caesarean sections.

Among women who had a live birth in the five years preceding the survey that was delivered in a health facility, 11 percent received financial assistance under *Janani Suraksha Yojana* (JSY). Rural women (13%) were more likely than urban women (7%) to receive financial assistance under JSY. Scheduled caste women and scheduled tribe women were more likely than any other caste/tribe group of women to receive financial assistance under JSY.

## Institutional Delivery by District

Percentage of births in the past five years



## Postnatal care

Early postnatal care for a mother helps safeguard her health and can reduce maternal mortality. In Karnataka, 91 percent of mothers had a postnatal check after their last birth and 88 percent of mothers had a postnatal check within two days of the birth, as is recommended. Postnatal care is most common following births in a health facility; 89 percent of births in both public health facilities and private health facilities were followed by a postnatal check for the mother within two days of birth, compared with 49 percent of home births.

Eighty-six percent of last births in the five years preceding the survey received a health check in the first two days after birth. Thirty-three percent of home births received a health check in the first two days after birth.

## Male involvement in maternal care

Ninety-eight percent of men with a child under three years of age said that the youngest child's mother received antenatal care. Ninety-one percent of men with a child under three years said they were present during at least one antenatal check received by the child's mother (94% in urban areas and 89% in rural areas), but only 72 percent were told by a health provider or health worker what to do if the mother had a pregnancy complication. Only 44-62 percent of men were told about the signs of specific pregnancy complications (severe abdominal pain, prolonged labour, convulsions, high blood pressure, and vaginal bleeding).



Most fathers with a child less than three years of age were given information about various aspects of maternal care. Eighty-eight percent of men were told about the importance of proper nutrition for the mother during pregnancy and 85 percent of men were told about the importance of delivering the baby in a health facility. Eighty-one percent of men were told by a health provider or a health worker about family planning or delaying the next child.

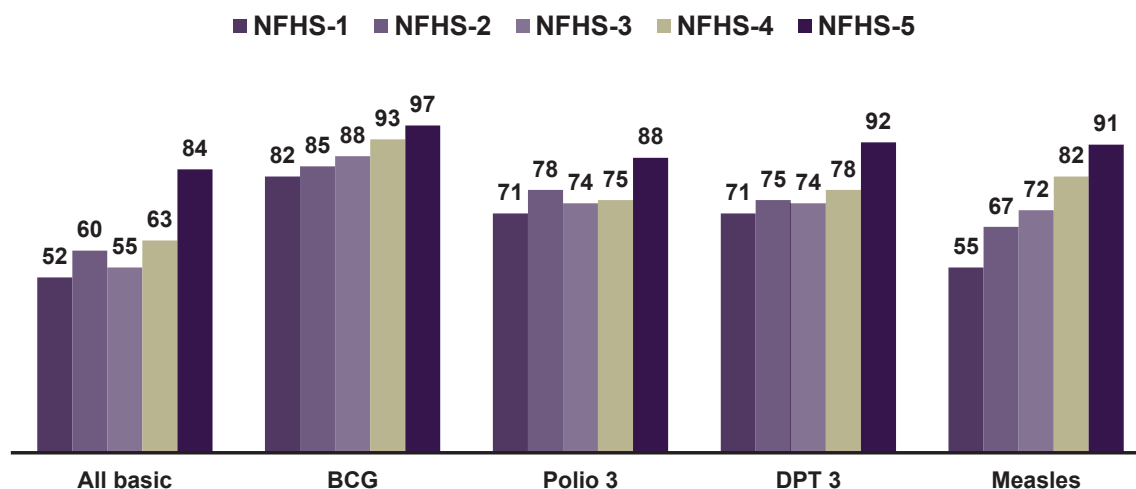
## CHILD HEALTH

### Vaccination of children

Vaccinations are considered as the most cost-effective intervention that can improve the overall health of children. Eighty-four percent of children age 12-23 months received all basic vaccinations against six major childhood illnesses (tuberculosis, diphtheria, pertussis, tetanus, polio, and measles) at any time before the survey. However, 97 percent of children are at least partially vaccinated; only 3 percent have not received any vaccinations at all. Vaccinations were recorded from a vaccination card for a large majority (91%) of children, which is a substantial increase since NFHS-4 (63%).

#### Trends in Vaccination Coverage

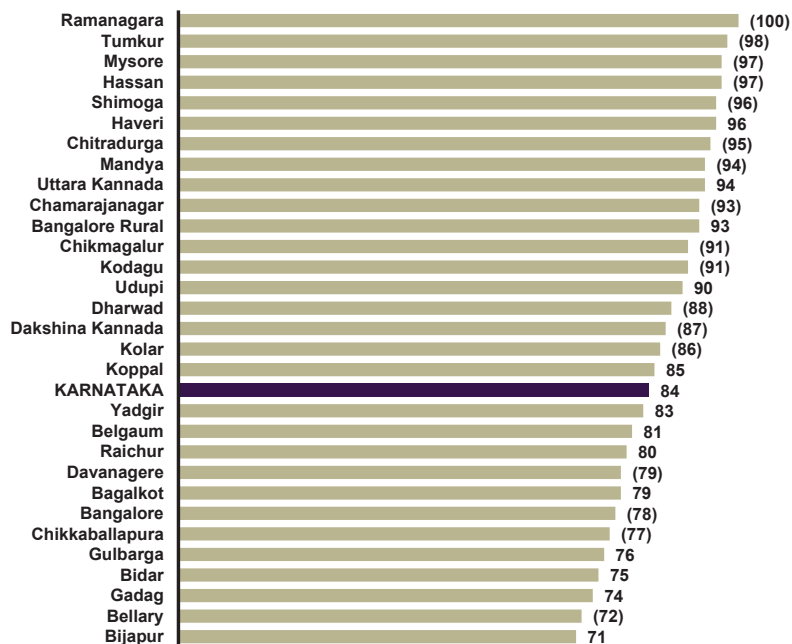
*Percentage of children 12-23 months receiving vaccinations*



Ninety-seven percent of children have received a BCG vaccination. However, only 88 percent have received the recommended three doses of polio vaccine, 92 percent have received the three recommended doses of DPT or Penta vaccine, and 91 percent have been vaccinated against measles. There is dropout between the first and third doses of DPT vaccine (from 96% to 92%) and polio vaccine (from 96% to 88%). It should be noted that the Penta vaccine was not widely available at the time of the NFHS-4 survey.

Between NFHS-4 and NFHS-5, there was an increase in vaccination coverage for three doses of DPT (from 78% to 92%), measles (from 82% to 91%), and BCG (from 93% to 97%). The coverage for three doses of polio vaccine also increased, from 75 percent to 88 percent. Overall, there was an encouraging change in the coverage of all basic vaccinations (from 63% to 84%). In addition, a large majority (93%) of children have received at least one dose of hepatitis B vaccine, and 89 percent of children have received all three recommended doses of hepatitis B vaccine.

### Coverage of All Basic Vaccinations by District Percentage of children 12-23 months



Coverage with all basic vaccinations is higher for girls than boys (85% versus 83%) and for rural areas than urban areas (87% versus 80%). Coverage with all basic vaccinations is higher among scheduled caste children (88%) than children from any other caste/ tribe group.

### Childhood illnesses

In the two weeks before the survey, 2 percent of children under age five years had symptoms of an acute respiratory infection (cough accompanied by (1) short, rapid breathing that is chest related and/or (2) difficult breathing that is chest related). Of these children, 57 percent were taken to a health facility or health provider.

Ten percent of children under age five were reported to have had fever in the two weeks preceding the survey; 69 percent of these children were taken to a health facility or provider for treatment.

Overall, 5 percent of children under age five years had diarrhoea in the two weeks preceding the survey. Seventy-three percent of these children were taken to a health facility or health provider. Ninety-two percent of mothers of young children have heard of oral rehydration salt (ORS) packets for the treatment of diarrhoea, but only 71 percent of children with diarrhoea were given ORS. Over two-fifths (42%) of children with diarrhoea were given gruel and over three-quarters (76%) were given any type of oral rehydration therapy (ORT). Forty-six percent were given zinc supplements. Thirteen percent of children with diarrhoea did not receive any type of treatment at all.

To reduce dehydration and minimise the effects of diarrhoea on nutritional status, it is recommended that normal feeding of children be continued when they have diarrhoea and that the amount of fluids given should be increased. However, in Karnataka only 5 percent of children with diarrhoea received more to drink than normal. Only one-quarter of children received the same amount to drink as usual. Of greater concern, more than two-thirds (70%) of children with diarrhoea were given less to drink or nothing at all to drink. Nearly one-third (31%) of children with diarrhoea were given the same amount of food or more food, as recommended.

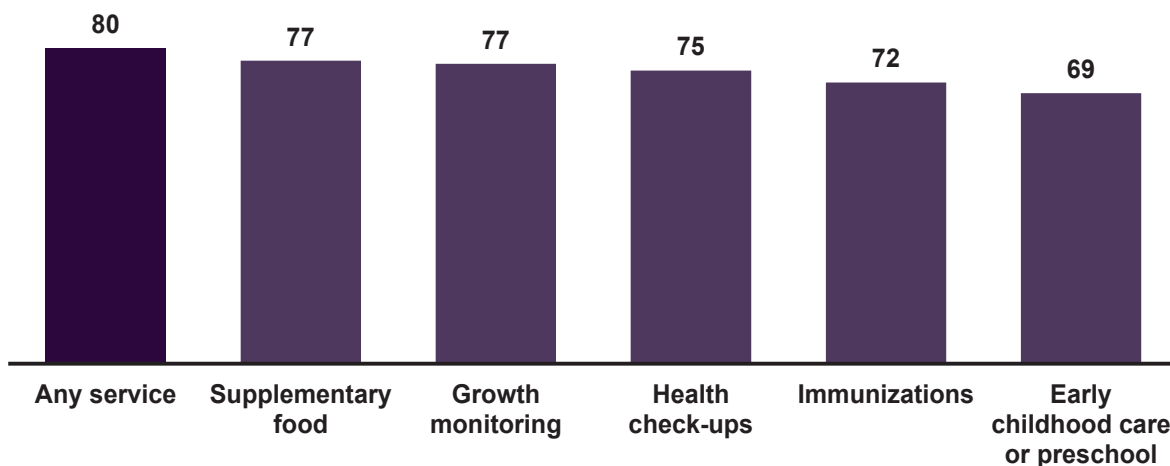
## Integrated Child Development Services (ICDS)

The ICDS programme provides nutrition and health services for children under age six years and pregnant or breastfeeding women, as well as preschool activities for children age 3-5 years. These services are provided through community-based *anganwadi* centres.

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### How many children received *anganwadi* centre services?

Percentage of age-eligible children receiving services



Eighty percent of children under 6 years received services of some kind from an *anganwadi* centre in the 12 months preceding the survey. The most common services that age-eligible children receive are supplementary food and growth monitoring (77% each), health check-ups (75%), and immunizations (72%). The service that is least likely to be accessed is early childhood care or preschool (69% of children). Just over four-fifths (81%) of mothers of children who were weighed at an *anganwadi* centre received counselling from an *anganwadi* worker or an ANM. Among children under 6 years, more than four-fifths (83%) of their mothers received any service from an *anganwadi* centre during pregnancy, and a little over four-fifths (81%) of their mothers received any service while breastfeeding.

# BREASTFEEDING, NUTRITION, AND ANAEMIA

## Infant feeding

Although breastfeeding is nearly universal in Karnataka, only 61 percent of children under 6 months are exclusively breastfed, as the World Health Organization (WHO) recommends. Eighty-nine percent are put to the breast within the first day of life, but less than half (49%) started breastfeeding in the first hour of life (as recommended). While exclusive breastfeeding indicators show an improvement since NFHS-4, many infants are still deprived of the highly nutritious first milk (colostrum) and the antibodies it contains.

It is recommended that nothing be given to children other than breastmilk even in the first three days when the milk has not begun to flow regularly because prelacteal feeds limit the frequency of suckling by the infant and expose the baby to the risk of infection. However, 13 percent of children are given something other than breastmilk during the first three days. Overall, 84 percent of children continue breastfeeding at 1 year and over three-fifths (61%) continue breastfeeding at 2 years. The median duration of breastfeeding is 25.0 months, which is the age to which half of children are breastfed.

After the first 6 months, breastmilk is no longer enough to meet the nutritional needs of infants. Therefore, complementary foods should be added to the diet of the child. However, at age 6-8 months, less than half (45%) of children in Karnataka receive breastmilk and complementary foods.

WHO has several recommendations for infant and young child feeding (IYCF) practices for children age 6-23 months. The key IYCF indicators measure the adequacy of dietary diversity and meal frequency for breastfed and non-breastfed children. Less than one-third (31%) of children age 6-23 months are fed the recommended a minimum number of times per day and an equal proportion of children are fed from the appropriate number of food groups. Only 13 percent are fed according to all three recommended practices.

Micronutrient deficiency is a major contributor to childhood morbidity and mortality. Vitamin A is an essential nutrient for the immune system. Severe vitamin A deficiency (VAD) can cause eye damage and a higher risk of dying from measles and diarrhoeal disease. The Government of India recommends that children under 5 years of age receive vitamin A supplements every six months, starting at age 9 months. In Karnataka, more than four-fifths (86%) of children age 9-35 months were given a vitamin A supplement in the past six months, but only 48 percent of youngest children age 6-23 months living with their mother consumed vitamin A-rich foods during the day or night before the survey.

Iron deficiency is a primary cause of anaemia. Eating foods rich in iron and taking iron supplements can help prevent anaemia. Twenty-nine percent of children age 6-23 months ate iron-rich foods during the day or night before the survey; however, 61 percent of children in the same age group were given iron supplements in the week before the survey.

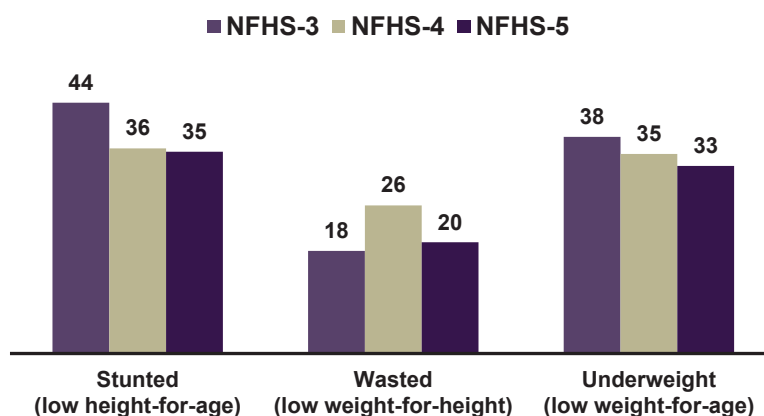
## Children's nutritional status

Childhood undernutrition contributes to childhood diseases and is a major cause of child mortality in India. Over one-third (35%) of children under age five years are stunted, or too short for their age, which indicates that they have been undernourished for some time. One-fifth of children are wasted, or too thin for their height, which may result from inadequate recent food intake or a recent illness causing weight loss, and 8 percent are severely wasted. One-third of children are underweight, which takes into account both chronic and acute undernutrition. Even during the first six months of life when almost all babies are breastfed, 20 percent of children are stunted, 27 percent are wasted, and 25 percent are underweight.

Children's nutritional status in Karnataka has slightly improved since NFHS-4 by all measures. The percentage of children who are stunted decreased marginally from 36 percent to 35 percent in the 4 years between NFHS-4 and NFHS-5. The percentage of children who are wasted has decreased substantially from 26 percent to 20 percent and children who are underweight decreased from 35 to 33 percent since NFHS-4. However, the continuing high levels of undernutrition are still a major problem in Karnataka.

### Trends in Children's Nutritional Status

Percentage of children under five years



Note: Nutritional status estimates are based on the 2006 WHO International Reference Population

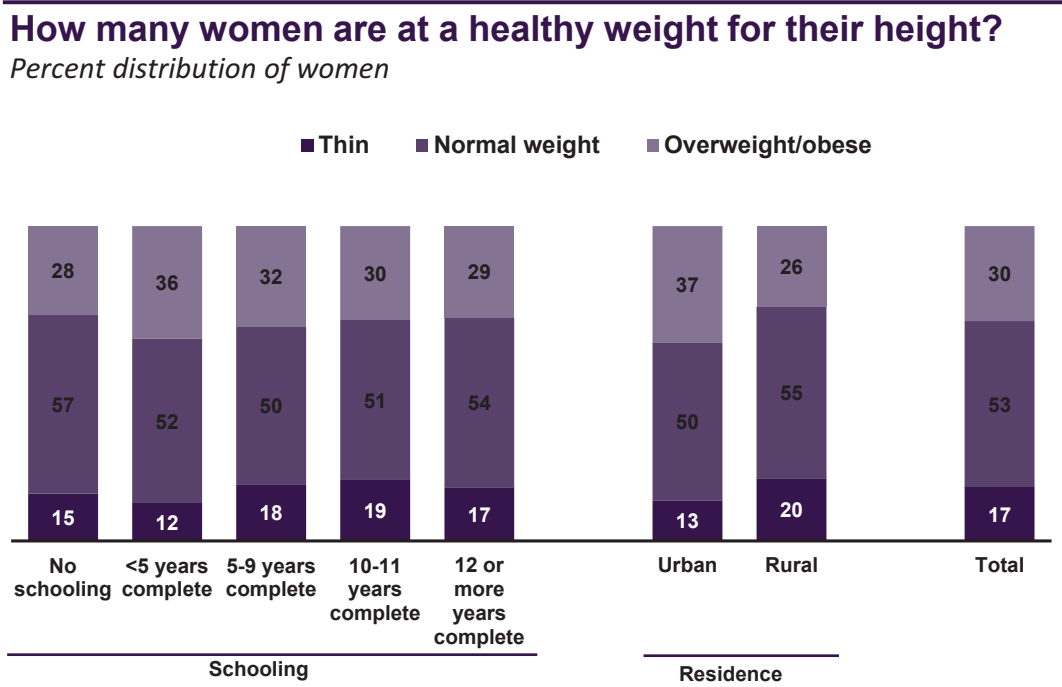
Differences in the levels of malnutrition are more pronounced for several background characteristics. Malnutrition generally decreases with increasing mother's schooling, better nutritional status of the mother, and larger child's size at birth. The level of undernutrition is relatively high for rural children. It is generally higher among scheduled caste and lower among Christian children than among children of any other religion. Malnutrition is somewhat higher for male children than female children on all three nutritional status measures.

## Adults' nutritional status

Malnutrition refers to deficiencies, excesses, or imbalances in a person's intake of energy and/or nutrients, and includes undernutrition as well as overweight and obesity. The body mass index (BMI), which is defined as a person's weight in kilograms divided by the square of the person's height in metres, is a measure that indicates the nutritional status in adults.

More than two-fifths of women (47%) and men (45%) are either too thin or overweight or obese. More men and women are overweight or obese than thin, which is similar to the pattern observed in NFHS-4. Seventeen percent of women and 14 percent of men in Karnataka are too thin. Less than one-third of women (30%) and men (31%) are overweight or obese. Over half of women (53%) and men (55%) are at a healthy weight for their height.

Undernutrition is particularly common in the younger age groups (especially age 15-19), in rural areas, and among scheduled tribes. Overweight and obesity are most prevalent in older adults, those in urban areas, and well-educated men.



For the first time, the 2019-20 NFHS measured the waist circumference and hip circumference of women and men age 15-49 years. This information was used to calculate the waist-to-hip ratio (WHR). WHR helps to identify the distribution of body fat and predicts abdominal obesity. Abdominal obesity is associated with an increased risk of type 2 diabetes mellitus, myocardial infarction, stroke, and premature death.

More than two-fifths (45%) of women and 39 percent of men have a waist-to-hip ratio (WHR) that puts them at a substantially increased risk of metabolic complications. The proportion of adults with an increased risk WHR increases with age, from 35 percent for women age 15-19 to 51 percent for women age 40-49, and from 16 percent for men age 15-19 to 49 percent for men age 40-49. The proportion of women having a substantially increased risk WHR is somewhat higher in urban areas (47%) than in rural areas (44%) and the risk among men is somewhat higher in urban areas (41%) than in rural areas (37%).

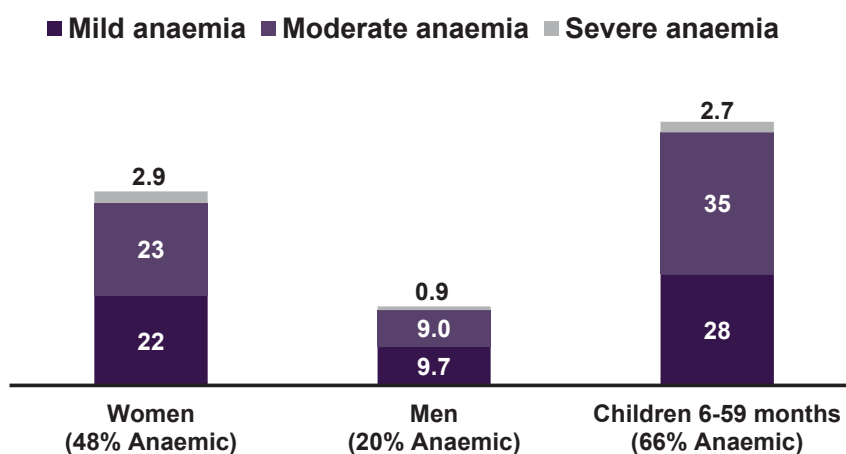
The use of iodized salt prevents iodine deficiency, which can lead to miscarriage, goitre, and mental retardation. Ninety-three percent of households with tested salt were using iodized salt at the time of the survey.



## Anaemia

Anaemia is a condition that is marked by low levels of haemoglobin in the blood. Iron deficiency is estimated to be responsible for about half of all anaemia globally, but anaemia can also be caused by malaria, hookworms and other helminths, other nutritional deficiencies, chronic infections, and genetic conditions. Anaemia can result in maternal mortality, weakness, diminished physical and mental capacity, increased morbidity from infectious diseases, perinatal mortality, premature delivery, low birth weight, and (in children) impaired cognitive performance, motor development, and scholastic achievement. Anaemia is a major health problem in Karnataka, especially among women and children.

### Anaemia among women, men, and children



Two-thirds of children age 6-59 months are anaemic. This includes 28 percent who are mildly anaemic, 35 percent who are moderately anaemic, and 3 percent who have severe anaemia. The overall prevalence of anaemia in children increased from 61 percent in NFHS-4 to 66 percent in NFHS-5. There is not much difference in the prevalence of anaemia among girls (65%) and boys (67%) in NFHS-5. Children of mothers who have anaemia are much more likely to be anaemic. Although anaemia levels vary somewhat according to background characteristics, anaemia among children is widespread in every group. Almost two-thirds (65%) of children in Karnataka are anaemic even if their mother has 12 or more years of schooling.

Forty-eight percent of women in Karnataka have anaemia, including 22 percent with mild anaemia, 23 percent with moderate anaemia, and 3 percent with severe anaemia. Anaemia is particularly high among rural women and scheduled caste women, but at least two-fifths of women in every group have anaemia. Anaemia among women has slightly increased by 3 percentage points since NFHS-4. One-fifth of men in Karnataka are anaemic. Men age 15-19 and men with no schooling are particularly likely to be anaemic.



## **ADULT HEALTH AND HEALTH CARE**

### **Tuberculosis**

Tuberculosis is an infectious disease caused by a type of bacterium called Mycobacterium tuberculosis, which primarily affects the lungs. Tuberculosis is transmitted from person to person through the air, and people with lowered immunity, HIV, malnutrition, diabetes, and those who use tobacco or alcohol have higher chances of getting tuberculosis. Tuberculosis is both preventable and curable, however mortality is high if not treated properly. In Karnataka, 184 persons per 100,000 are estimated to have medically treated tuberculosis, based on reports from household respondents. The prevalence of medically treated tuberculosis is lower among men (159) than among women (209) and is higher in rural areas (193) than in urban areas (171).

A large majority of respondents have heard of tuberculosis (89% of women and 92% of men), but even among those who have heard of tuberculosis, only 81 percent of women and 71 percent of men know that it is spread through the air by coughing or sneezing. About three-fifths of women (61%) and men (59%) have misconceptions about how tuberculosis is spread. Overall, 90 percent of women and 91 percent of men know that tuberculosis can be cured, and only 46 percent of women and 58 percent of men say that if a family member had tuberculosis, they would want to keep it a secret.

### **Diabetes, asthma, goitre, heart disease, and cancer**

According to self-reports, 1,986 women and 1,731 men age 15-49 per 100,000 have diabetes. Overall, 994 women and 1,053 men per 100,000 have asthma. The prevalence of asthma among women and men is higher in older age groups, those who have less schooling, and those in rural areas. Goitre is more common than asthma among women, but less common than asthma or diabetes among men (1,969 per 100,000 women and 751 per 100,000 men). The prevalence of any heart disease is lower among women (514 per 100,000) than among men (1,054 per 100,000). Among the five diseases, cancer is the least common, with 132 women per 100,000 and 294 men per 100,000 reportedly having cancer.

### **Blood pressure (hypertension)**

Blood pressure is the force exerted by circulating blood against the arterial walls. Hypertension or high blood pressure is a condition in which the blood vessels have persistently raised pressure. Hypertension is a major risk factor for cardiovascular diseases, chronic kidney diseases, and brain diseases, and it is a major cause of premature deaths worldwide. Some of the risk factors for developing hypertension are unhealthy diets, physical inactivity, alcohol and tobacco consumption, and excess body weight.

Thirteen percent of women age 15-49 in Karnataka have hypertension, including 9 percent with Stage 1 hypertension and 2 percent with Stage 2 and 1 percent Stage 3 hypertension. Hypertension also includes women with normal blood pressure who are taking medicine to lower their blood pressure. Fifty-four percent of women have normal blood pressure.

The prevalence of hypertension among men age 15-49 is somewhat higher than among women. Twenty-one percent of men in Karnataka have hypertension, including 15 percent with Stage 1 hypertension, 3 percent with Stage 2 hypertension, and 1 percent with Stage 3 hypertension. Hypertension also includes men with normal blood pressure who are taking medicine to lower their blood pressure. One-third of men have normal blood pressure. For both women and men, hypertension increases with age.

## **Blood glucose**

Diabetes mellitus is a chronic metabolic disease characterized by elevated levels of blood glucose. Diabetes over a period of time can cause severe damage to the heart, blood vessels, retina, kidneys, and nerves, and it puts sufferers at increased risk of various infectious and non-infectious diseases. Early diagnosis, determined by blood glucose testing, and adequate treatment are the key steps for managing diabetes and its complications. NFHS-5 has included random blood glucose measurement using capillary blood among women and men age 15 and above.

In Karnataka, 4 percent of women age 15-49 have high blood glucose levels, and an additional 3 percent have very high blood glucose levels. In comparison, 4 percent of men age 15-49 have high blood glucose levels and an additional 5 percent have very high blood glucose levels. Women and men in older age groups and women with fewer than 8 years of schooling have relatively high blood glucose levels.

More than 9 in 10 women (93%) and men (91%) age 15-49 have normal blood glucose levels. One percent each of women and men have normal blood glucose levels and to be taking medicine to lower their blood glucose level. Eight percent of women and 10 percent of men have high or very high blood glucose levels or are taking medicine to lower their blood glucose level.

## **Screening tests for cancer**

Cancer is a group of diseases with high mortality, and it is the second leading cause of death globally. The chances of successful treatment of cancer increase if diagnosed early. One way of early detection is screening, which is identification of unrecognized disease by using simple tests or examinations among those individuals who have the disease but do not yet have symptoms. NFHS-5 collected information about whether women had ever undergone a screening test for cancer of the oral cavity, breast, and cervix.

In Karnataka, only 1 percent of women age 15-49 have ever undergone a screening test for cancer of the cervix, 0.2 percent have ever undergone a screening test for breast cancer, and 0.4 percent have ever undergone a screening test for cancer of the oral cavity, which is almost the same in men (0.5%).

## **Health insurance**

Universal access to health care is the absence of any barriers in health care, including economic barriers. Adequate coverage by health insurance protects a person from financial hardships because of the costs of health care. Despite the emergence of a number of health insurance programmes and health schemes in India, only 28 percent of households in Karnataka have any kind of health insurance that covers at least one member of the household. Health insurance

coverage is the same in rural and urban areas. In Karnataka, four types of programmes dominate: the *Rashtriya Swasthya Bima Yojana* (RSBY), the State health insurance scheme, the Central Government Health Scheme (CGHS), and the Employees' State Insurance Scheme (ESIS).

Only 22 percent of women and 26 percent of men age 15-49 in Karnataka are covered by any health insurance/financing scheme. Older women and men are more likely to be covered than younger women and men. Health insurance/financing scheme coverage is higher among men with 12 or more years of schooling than among those with no schooling.

### **Tobacco and alcohol use**

Over one-fourth (27%) of men, but only 3 percent of women, age 15-49 use some form of tobacco. Tobacco products mostly used by men are cigarettes (12%), *gutkha* or *paan masala* with tobacco (10%), *paan* with tobacco (5%), and *bidis* (4%). Among women and men, the use of any form of tobacco is slightly higher in rural areas (4% for women and 31% for men) than in urban areas (1% for women and 22% for men). Most men (69%) who smoke cigarettes smoked fewer than five cigarettes in the past 24 hours.

In Karnataka, among adults age 15-49, a negligible proportion (0.3%) of women and over one-fifth (23%) of men drink alcohol. Among men, consumption is higher in urban areas than in rural areas (26% versus 21%). Most men who drink alcohol drink it about once a week (54%) or less than once a week (27%), and 19 percent drink almost every day.

## **HIV/AIDS**

This section presents the findings from NFHS-5 on HIV/AIDS knowledge and attitudes, prior HIV testing, and the prevalence of sexually transmitted infections (STIs), as well as sexual behaviour of the adult and youth population. Questions on HIV/AIDS were included only in the subsample of households selected for the state module.

### **Awareness of HIV or AIDS**

Ninety-seven percent of women in Karnataka have heard of HIV or AIDS. In urban areas, almost all (99%) know about HIV or AIDS, compared with 96 percent in rural areas. Knowledge of HIV or AIDS among women does not vary much across age groups. Women with no schooling and women with no regular exposure to media (94% each) are less likely than any other group of women to have heard of HIV or AIDS.

Men are slightly more likely than women to know about HIV or AIDS. Ninety-eight percent of men in Karnataka have heard of HIV or AIDS, including 99 percent in urban areas.

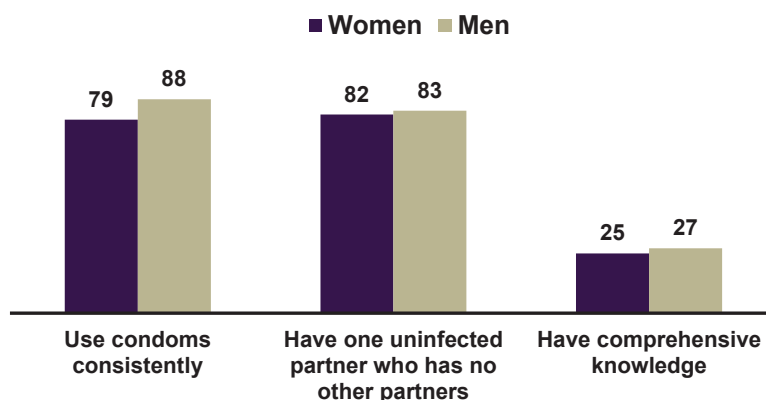
### **Knowledge of prevention and transmission**

Men are more likely than women to know how HIV/AIDS is transmitted and how to keep from getting it. For example, only 79 percent of women know that consistent condom use can help to prevent HIV/AIDS, compared with 88 percent of men, and 82 percent of women know that having just one uninfected partner who has no other partners can reduce the chance of getting HIV/AIDS, compared with 83 percent of men.

Only 25 percent of women and 27 percent of men in Karnataka have a comprehensive knowledge about HIV/AIDS. This means they know that consistent use of condoms every time they have sex and having just one uninfected sex partner who has no other partners can reduce the chance of getting HIV/AIDS, they know that a healthy-looking person can have HIV/AIDS, and they reject two common misconceptions about the transmission or prevention of HIV/AIDS.

## Do people know how to prevent HIV/AIDS?

Percentage of women and men age 15-49



### HIV-related stigma

About three-quarters (74%) of women and 79 percent of men in Karnataka would be willing to take care of a relative with HIV/AIDS in their home. Slightly higher proportion of women (80%) and men (86%) say that a female teacher who has HIV/AIDS but is not sick should be allowed to continue teaching. Seven-tenths (70%) of women and 75 percent of men say that they would buy fresh vegetables from a shopkeeper with HIV/AIDS. Thirty-seven percent of women and 33 percent of men say that if a family member got infected with HIV/AIDS, they would not want to keep it a secret. Over three-quarters of women (76%) and 85 percent of men say that an HIV positive student should be allowed to attend school with students who are HIV negative. An equal proportion of women and men (73% each) think that people living with HIV/AIDS should be treated in the same public hospital as persons who are HIV negative. Over three-fourths (78%) women and 84 percent of men think that people living with HIV should be allowed to work in the same office with people who are HIV negative.

### HIV testing prior to NFHS-5, blood transfusions, and safe injections

Only 36 percent of women and 14 percent of men age 15-49 had ever been tested for HIV prior to NFHS-5. Almost same proportion of women and men in urban areas and rural areas have ever been tested for HIV prior to NFHS-5. Less than half (45%) of women who had a live birth in the past five years and received ANC during pregnancy were tested for HIV during ANC. Urban women (40%) are less likely than rural women (47%) to have been tested for HIV during ANC.

*Less than half (45%) of women who had a live birth in the past five years and received ANC during pregnancy were tested for HIV during ANC.*

In Karnataka, 9 percent of women and 16 percent of men have ever had a blood transfusion. Women are more likely than men to have received an injection in the past 12 months (78% of women, compared with 73% of men). A disposable syringe was used for injections for 92 percent of adults who received an injection in the past 12 months.

## SEXUAL BEHAVIOUR

NFHS-5 included questions on respondents' sexual behaviour. Respondents were asked about their age at first sex, their current and previous sexual partners, higher-risk intercourse, and condom use. In addition, men were asked whether they had paid for sex in the past year. These questions are sensitive and subject to reporting bias, so the results should be interpreted with caution.

### Higher-risk behaviour

Higher-risk sex is sexual intercourse with someone who is neither a spouse nor a cohabiting partner. Among those who had sex in the past 12 months, only 1 percent of women and 9 percent of men reported having had higher-risk sex during the past 12 months. The percentage of men who had higher-risk sexual intercourse in the past 12 months is somewhat higher (11%) in urban areas than in rural areas (8%). Even fewer respondents said that they had multiple sex partners in the past 12 months (1% of women and 2% of men).

More than half (52%) of men who had higher-risk sex in the past 12 months reported using a condom the last time they had higher-risk sex. Among men who had higher-risk sex in the past 12 months, almost half of men in urban areas (49%) and rural areas (50%) reported using a condom the last time they had higher-risk intercourse. Four percent of men said they had paid for sex in the past year.

## WOMEN'S EMPOWERMENT

Empowering women and promoting gender equality in every sphere of life are essential to improving their lives and achieving the Sustainable Development Goals. NFHS-5 has collected information related to women's empowerment and autonomy, including menstrual hygiene, employment and earnings, decision-making, ownership of assets, gender role attitudes, and domestic violence.

### Women's hygiene

Using a hygienic method of menstrual protection is important for women's health and personal hygiene. In NFHS-5, young women age 15-24 were asked what method or methods they use for menstrual protection, if anything. In Karnataka, 69 percent use sanitary napkins, 44 percent use cloth, 22 percent use locally prepared napkins, and 3 percent use tampons. Overall, 84 percent of women age 15-24 use a hygienic method of menstrual protection, up from 70 percent in NFHS-4. Notably, only 80 percent of rural women use a hygienic method of menstrual protection, compared with 91 percent of urban women.

### Employment and earnings

Only 41 percent of all women age 15-49, compared with 81 percent of men, were employed in the 12 months preceding the survey. Among employed women, 90 percent earned cash, including 8 percent who earned both cash and in-kind. Eight percent were not paid at all. More men who were employed earned cash (94%), including 7 percent who earned both cash and in-kind. Five percent of employed men were not paid at all. A large majority (89%) of employed women work in non-agricultural occupation, compared with 58 percent of employed men.



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*Only 41 percent of all women age 15-49 were employed in the 12 months preceding the survey.*

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Among currently married women who work and are paid in cash, about three-quarters (74%) decide how their earnings will be used, either alone or jointly with their husbands. Nearly two-fifths (37%) of women who work for cash and whose husbands earn in cash say that they earn more than or about the same as their husbands. Eighty-five percent of currently married men who have wives who have cash earnings report that they alone or jointly with their wives decide how her earnings are used, and one-third of men who have cash earnings and whose wives have cash earnings say that their wife earns more than or about the same as them.

### **Decision making**

Currently married women were asked who makes decisions about their own health care, major household purchases, and visits to their own family or relatives. Women are somewhat more likely to participate in decisions about visits to their own family and relatives (75%) than decision about their own health care (74%) or about major household purchases (73%). Overall, 65 percent of currently married women participate in making all three of these decisions, and 17 percent do not participate in making any of the three decisions. Participation in all three decisions varies most by age, increasing sharply from 48 percent among women age 15-19 to 68 percent among women age 40-49.

In the case of currently married men, they are much more likely than women to report that they alone or jointly with their wives participated in making decisions about their own health care (84%) and 91 percent participated in decisions about major household purchases. Four percent of men participated in making neither of these decisions.

### **Other indicators of women's empowerment**

In Karnataka, 59 percent of women have money that they can decide how to use. The proportion of women who have money that they can decide how to use is higher among urban (66%) than rural (54%) women, increases with age, is much higher among women with 12 or more years of schooling (62%), and is highest among women who are employed for cash (63%) than any other group of women.

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*Eighty-nine percent of women have a bank or savings account that they themselves use.*

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Eighty-nine percent of women have a bank or savings account that they themselves use. This percentage is highest, at 94 percent, among women who are Christian, as well as among women who have 12 or more years of schooling (93%). Women's knowledge and use of microcredit programmes is very limited. Fifty-seven percent of women know of a microcredit programme in their area, but only 17 percent have ever taken a loan from a microcredit programme.

Less than half (43%) of women who have a mobile phone use it for financial transactions. Urban women are more likely (53%) to use a mobile phone for financial transactions, than rural women (34%). This percentage increases with education with nearly two-thirds (63%) of women with 12 or more years of education using a mobile phone for financial transactions, compared with less than one-fifth of women having less than five years of schooling (18%). Over two-fifths (43%) of employed women who earn in cash and have a mobile phone use a mobile phone for financial transactions, compared with 36 percent of employed women who don't earn in cash and have a mobile phone. Muslim women are least likely (38%) to use a mobile phone for financial transactions, compared with Hindu (43%) or Christian (65%) women. Women belonging to a scheduled tribe are much more likely (53%) to use a mobile phone for financial transactions than women belonging to any other caste/tribe group.

### **Ownership of assets**

Sixty-six percent of women and 68 percent of men age 15-49 in Karnataka own a house alone or jointly with someone else, and 54 percent of women and 51 percent of men own land alone or jointly with someone else. Among men and women, ownership of a house and land is more common in rural than urban areas.

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*Sixty-six percent of women own a house alone or jointly with someone else, and 54 percent of women own land alone or jointly with someone else.*

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In Karnataka, 62 percent of women have a mobile phone that they themselves use, and among women who have a mobile phone that they themselves use, 69 percent can read SMS messages. Seventy-four percent of urban women have a mobile phone they themselves use, compared with 53 percent of rural women. Mobile phone access increases substantially with education, from 38 percent among women with no schooling to 85 percent among women with 12 or more years of schooling. Only 51 percent of women belonging to a scheduled tribe have a mobile phone they themselves use, compared with 54-66 percent of women in other castes/tribes. Scheduled caste women who have a mobile phone that they themselves use are less likely to be able to read SMS messages (63%) than women in other groups (65-71%).

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*Sixty-two percent of women in Karnataka have a mobile phone that they themselves use.*

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### **Gender-role attitudes**

Seventy-seven percent of women agree that a husband is justified in hitting or beating his wife under some circumstances. Women are most likely to agree that wife beating is justified if a woman shows disrespect for her in-laws (59%), followed by if she neglects the house or children (52%) and if he suspects her of being unfaithful (45%). Men are more likely to agree: 82 percent say that wife beating is justified in some circumstances, especially if the wife shows disrespect for in-laws (71%) or if she is being unfaithful (50%) and if she neglects the house or children



(48%). Even among women and men who have completed at least 12 years of schooling, 72 percent of women and 81 percent of men say that a husband is justified in hitting or beating his wife for one or more of the specified reasons.

Seventy-five percent of women and 48 percent of men believe that a woman is justified in refusing to have sex with her husband if she knows he has a sexually transmitted disease, if she knows he has intercourse with other women, and if she is tired or not in the mood. Less than half of men (43%) agree that if a wife refuses to have sex with her husband he does not have a right to get angry and reprimand her, refuse to give her financial support, use force to have sex even if she doesn't want to, or have sex with another woman.

## **DOMESTIC VIOLENCE**

The World Health Organization recognizes that violence against women, particularly domestic or spousal violence, is a major public and clinical health problem and a violation of women's human rights, which also reflects the scale of gender inequality and discrimination against women. The consequences of violence on physical, mental, sexual, and reproductive health often last a lifetime. NFHS-5 collected information on domestic violence from women age 18-49, related to behaviours of her husband that cause physical, sexual or emotional harm, including physical violence, sexual coercion, emotional abuse, and controlling behaviours. Information was also collected on violence during pregnancy and help seeking behaviour for any violence experienced.

In Karnataka, 43 percent of women age 18-49 have ever experienced physical violence, and 10 percent have ever experienced sexual violence. In all, 43 percent of women experienced physical or sexual violence and 9 percent experienced both physical and sexual violence. For ever-married women who experienced physical violence since age 15, the most common perpetrator was the current husband.

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*Nearly half (47%) of ever-married women age 18-49 in Karnataka have experienced physical or sexual violence.*

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### **Violence during pregnancy**

Six percent of women age 18-49 who have ever been pregnant have ever experienced physical violence during one or more of their pregnancies. Women with less than 8 years of schooling, women with 5 or more children, women who are widowed, divorced, separated, or deserted, and women who do not belong to a scheduled caste, a scheduled tribe or an other backward class are more likely to experience violence during pregnancy than women in any other group.

### **Spousal violence**

In Karnataka, 44 percent of ever-married women age 18-49 have experienced any form of physical violence committed by their husband, 10 percent have experienced any form of sexual violence committed by their husband, and 25 percent have experienced any form of emotional violence committed by their husband. Thirty-seven percent of ever-married women report

having been slapped by their husband. Twenty-one percent report being pushed, shaken, or having something thrown at them. Twenty percent experienced having their arm twisted or hair pulled, 17 percent being kicked, dragged, or beaten up, 15 percent being punched with a fist or something that could hurt her, and 5 percent report that her husband tried to choke or burn her on purpose.

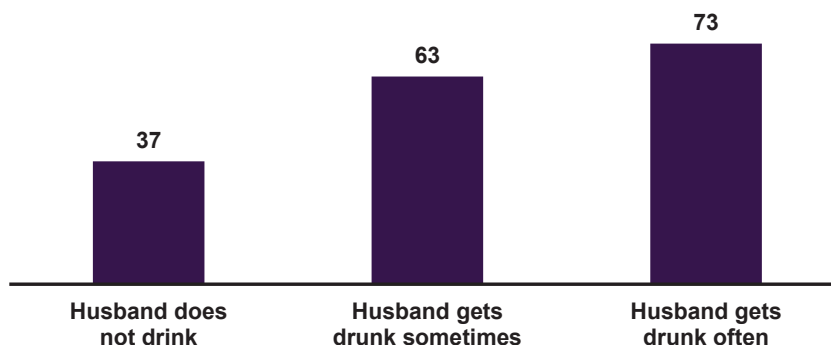
Eight percent of ever-married women age 18-49 report that their husband have physically forced them to have sex even when they did not want to, and 6 percent report that their husband forced them with threats or in any other way to perform sexual acts they did not want to perform. Overall, 44 percent of ever-married women have experienced spousal physical or sexual violence from their current husband or, if not currently married, from their most recent husband. Few ever-married women (5%) reported that they have initiated violence against their husband when he was not already beating or physically hurting them.

Spousal violence prevails across all groups. Although spousal violence is much lower among more educated women, more than one-third (37%) of women who have at least 12 years of schooling have experienced emotional, physical, or sexual spousal violence. The experience of spousal violence is slightly higher among women in rural areas (49%) than in urban areas (48%); among divorced, separated, or deserted women (60%) than currently married women (48%); and among women who are employed for cash (55%) than women who are not employed (44%). Husband's characteristics are also related to overall spousal violence (emotional, physical, or sexual). For instance, women are more likely to experience spousal violence if their husband displays 5-6 marital control behaviours (88%), gets drunk often (75%), and if the husband never attended school (61%). Nearly three-fourths (72%) of women who say they are afraid of their husband most of the time have experienced spousal violence. The contextual and intergenerational aspects of spousal violence are clear from the fact that women whose mothers were beaten by their fathers are more likely to be in abusive marriages themselves as compared with women whose mothers were not beaten by their fathers.

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### Is alcohol use related to spousal physical or sexual violence?

*Percentage of ever-married women experiencing violence*



*Note: Category "Husband drinks, but never gets drunk" not shown since there are fewer than 25 unweighted cases.*

Over one-quarter (26%) of ever-married women age 18-49 who have ever experienced physical or sexual violence reported suffering from injuries from what their husband did to them. That proportion doubles to 52 percent among women who have experienced both physical and sexual violence. The most common types of injuries among ever-married women who have experienced physical and sexual violence are cuts, bruises, or aches (44%); deep wounds, broken bones, broken teeth, or any other serious injury (33%); eye injuries, sprains, dislocations, or minor burns (28%); and severe burns (25%).

### **Help seeking**

Only 18 percent of women age 18-49 who have ever experienced physical or sexual violence sought help, while 14 percent never sought help but told someone. More than two-thirds (69%) never sought help and never told anyone. Among women who sought help, the main sources of help were their own family (62%), their husband's family (40%), or a friend (34%). Twelve percent sought help from the police.

**Table 1 Results of the household and individual interviews**

Number of households, number of interviews with women and men, and response rates, according to residence, Karnataka, 2019-20

Result	Residence		Total
	Urban	Rural	
<b>Household interviews</b>			
Households selected	8,269	19,550	27,819
Households occupied	8,070	19,213	27,283
Households interviewed	7,727	18,847	26,574
Household response rate <sup>1</sup>	95.7	98.1	97.4
<b>Interviews with women age 15-49</b>			
Number of eligible women	9,185	22,011	31,196
Number of eligible women interviewed	8,962	21,493	30,455
Women response rate <sup>2</sup>	97.6	97.6	97.6
<b>Interviews with men age 15-54</b>			
Number of eligible men	1,424	3,388	4,812
Number of eligible men interviewed	1,308	3,208	4,516
Men response rate <sup>2</sup>	91.9	94.7	93.8

Note: Eligible women and men are women age 15-49 and men age 15-54 who stayed in the household the night before the household interview (including both usual residents and visitors). This table is based on the unweighted sample.

<sup>1</sup> Households interviewed/households occupied

<sup>2</sup> Respondents interviewed/eligible respondents

**Table 2 Results of the household and individual interviews by district**

Number of households, number of women and men interviewed, and response rates by residence and district, Karnataka, 2019-20

District	Households interviewed			Household response rate <sup>1</sup>	Number of women interviewed			Women response rate <sup>2</sup>	Number of men interviewed			Men response rate <sup>2</sup>
	Urban	Rural	Total		Urban	Rural	Total		Urban	Rural	Total	
Bagalkot	274	607	881	98.3	364	774	1,138	98.2	54	128	182	94.8
Bangalore	754	83	837	92.1	754	86	840	95.9	117	8	125	81.7
Bangalore Rural	235	656	891	98.8	235	721	956	98.0	45	97	142	96.6
Belgaum	235	672	907	98.6	289	858	1,147	97.9	34	145	179	94.2
Bellary	341	542	883	97.8	439	664	1,103	98.2	54	102	156	96.3
Bidar	234	680	914	99.0	317	864	1,181	98.1	51	121	172	97.7
Bijapur	209	678	887	97.4	263	828	1,091	97.0	30	119	149	94.9
Chamarajanagar	152	738	890	96.7	186	771	957	98.8	30	106	136	94.4
Chikkaballapura	191	692	883	97.9	205	676	881	97.7	38	106	144	94.7
Chikmagalur	182	703	885	96.3	212	733	945	99.3	33	110	143	96.6
Chitradurga	176	733	909	98.6	185	768	953	99.3	24	110	134	99.3
Dakshina Kannada	403	464	867	95.4	437	550	987	95.7	62	87	149	89.2
Davanagere	264	576	840	95.9	334	639	973	93.5	40	93	133	91.1
Dharwad	469	395	864	94.1	519	532	1,051	98.1	75	81	156	95.1
Gadag	314	578	892	99.3	393	743	1,136	99.0	72	121	193	93.7
Gulbarga	302	607	909	98.6	404	743	1,147	98.0	54	113	167	95.4
Hassan	186	719	905	98.2	233	746	979	98.3	33	103	136	96.5
Haveri	185	690	875	97.1	231	829	1,060	95.8	36	105	141	83.4
Kodagu	126	772	898	97.8	117	768	885	99.1	20	119	139	97.9
Kolar	265	618	883	98.0	295	695	990	98.1	43	121	164	94.8
Koppal	141	731	872	97.4	171	846	1,017	96.6	23	148	171	91.9
Mandya	137	736	873	96.5	138	706	844	97.7	25	102	127	94.1
Mysore	333	524	857	95.6	358	593	951	96.5	34	100	134	91.2
Raichur	230	661	891	97.9	303	874	1,177	96.9	43	123	166	96.0
Ramanagara	204	674	878	97.2	220	594	814	96.8	28	80	108	88.5
Shimoga	323	579	902	98.6	363	670	1,033	98.7	59	102	161	97.0
Tumkur	191	715	906	99.0	183	729	912	98.5	26	103	129	97.0
Udupi	246	648	894	97.3	273	792	1,065	97.7	42	103	145	89.5
Uttara Kannada	254	643	897	98.2	293	707	1,000	97.5	52	112	164	97.0
Yadgir	171	733	904	98.3	248	994	1,242	98.0	31	140	171	95.0
Karnataka	7,727	18,847	26,574	97.4	8,962	21,493	30,455	97.6	1,308	3,208	4,516	93.8

Note: This table is based on the unweighted sample; all subsequent tables are based on the weighted sample unless otherwise specified. The number of women and men is based on the *de facto* population.

<sup>1</sup> Households interviewed/households occupied

<sup>2</sup> Respondents interviewed/eligible respondents

**Table 3 Household population by age, schooling, residence, sex, and possession of an Aadhaar card**

Percent distribution of the *de facto* household population by age and schooling and percentage of *de facto* individuals who have an Aadhaar card, according to residence and sex, Karnataka, 2019-20

Background characteristic	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Age</b>									
0-4	6.6	6.6	6.6	7.7	6.9	7.3	7.3	6.8	7.0
5-9	8.2	7.7	7.9	8.7	7.8	8.3	8.5	7.8	8.1
10-14	8.3	7.5	7.9	8.0	7.3	7.6	8.1	7.4	7.7
15-19	8.1	7.5	7.8	7.7	8.0	7.8	7.8	7.8	7.8
20-24	8.0	8.0	8.0	7.4	8.0	7.7	7.6	8.0	7.8
25-29	8.7	9.8	9.2	8.3	8.9	8.6	8.5	9.3	8.9
30-34	8.8	8.7	8.7	7.8	7.6	7.7	8.2	8.0	8.1
35-39	8.2	8.6	8.4	7.7	7.8	7.7	7.9	8.1	8.0
40-44	7.2	6.3	6.7	6.4	6.0	6.2	6.7	6.1	6.4
45-49	6.5	7.1	6.8	6.6	7.4	7.0	6.5	7.3	6.9
50-54	5.4	4.7	5.0	4.9	4.7	4.8	5.1	4.7	4.9
55-59	4.2	5.5	4.8	4.6	5.4	5.0	4.4	5.4	4.9
60-64	4.3	4.1	4.2	4.9	5.1	5.0	4.7	4.7	4.7
65-69	3.1	3.5	3.3	4.1	4.0	4.1	3.7	3.8	3.8
70-74	2.4	1.7	2.0	2.7	2.4	2.5	2.6	2.1	2.3
75-79	1.2	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3
80 and over	1.0	1.3	1.1	1.2	1.5	1.4	1.1	1.4	1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Aadhaar card</b>									
Percentage with an Aadhaar card	95.9	96.0	95.9	95.3	95.5	95.4	95.5	95.7	95.6
Sex ratio, all ages <sup>1</sup>	na	na	1,034	na	na	1,035	na	na	1,034
Sex ratio, age 0-6 years <sup>1</sup>	na	na	1,021	na	na	914	na	na	953
<b>Schooling<sup>2</sup></b>									
No schooling	8.7	18.0	13.4	17.5	33.0	25.4	14.0	27.0	20.6
<5 years complete	13.9	13.1	13.5	17.7	15.8	16.7	16.2	14.7	15.4
5-9 years complete	25.6	24.5	25.0	29.6	25.4	27.5	28.0	25.0	26.5
10-11 years complete	19.3	19.2	19.2	15.8	13.4	14.6	17.2	15.7	16.4
12 or more years complete	32.5	25.2	28.8	19.4	12.4	15.8	24.6	17.5	21.0
Don't know	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number	19,938	20,612	40,551	29,937	31,323	61,263	49,875	51,935	101,814
Median number of years of schooling completed	9.1	7.7	8.6	6.6	4.2	5.6	7.6	5.9	6.7

na = Not applicable

<sup>1</sup> Females per 1,000 males

<sup>2</sup> Population age 6 and above

**Table 4 Household and housing characteristics**Percent distribution of urban, rural, and total households and *de jure* population by household and housing characteristics, Karnataka, 2019-20

Household and housing characteristic	Urban	Rural	Total	<i>De jure</i> population
<b>Household headship</b>				
Male	75.7	77.6	76.8	80.2
Female	24.3	22.4	23.2	19.8
Total	100.0	100.0	100.0	100.0
Mean household size	4.1	4.4	4.2	na
<b>Household structure<sup>1</sup></b>				
Nuclear	61.5	51.8	55.8	42.2
Non-nuclear	38.5	48.2	44.2	57.8
Total	100.0	100.0	100.0	100.0
<b>Religion of household head</b>				
Hindu	81.1	91.9	87.5	85.9
Muslim	15.4	6.5	10.2	11.8
Christian	2.7	1.0	1.7	1.6
Other	0.7	0.6	0.6	0.7
Total	100.0	100.0	100.0	100.0
<b>Caste/tribe of household head</b>				
Scheduled caste	17.5	21.7	20.0	20.3
Scheduled tribe	9.1	12.0	10.8	11.2
Other backward class	55.6	54.7	55.1	54.2
Other	17.1	10.9	13.4	13.5
Don't know	0.8	0.7	0.7	0.7
Total	100.0	100.0	100.0	100.0
<b>Electricity</b>				
Yes	99.1	98.6	98.8	99.1
No	0.9	1.4	1.2	0.9
Total	100.0	100.0	100.0	100.0
<b>Source of drinking water</b>				
<b>Improved source</b>	97.4	94.3	95.6	95.3
Piped water into dwelling/yard/plot	59.1	38.3	46.9	46.2
Piped to neighbour	2.3	2.9	2.7	2.6
Public tap/standpipe	13.6	18.5	16.5	16.6
Tube well or borehole	5.7	13.7	10.4	11.1
Other improved <sup>2</sup>	16.6	20.7	19.0	18.9
<b>Unimproved source</b>	1.7	4.8	3.5	3.7
Unprotected dug well	0.5	2.2	1.5	1.5
Unprotected spring	0.1	0.1	0.1	0.1
Surface water	1.1	2.4	1.9	2.0
Other source	0.9	1.0	1.0	1.0
Total	100.0	100.0	100.0	100.0

*Continued...*



Table 4 Household and housing characteristics—*Continued*

Percent distribution of urban, rural, and total households and *de jure* population by household and housing characteristics, Karnataka, 2019-20

Household and housing characteristic	Urban	Rural	Total	<i>De jure</i> population
<b>Time to obtain drinking water (round trip)</b>				
Water on premises/delivered to dwelling	87.7	75.4	80.5	80.1
Less than 30 minutes	10.9	21.6	17.2	17.4
Thirty minutes or longer	1.4	3.1	2.4	2.5
Don't know	0.0	0.0	0.0	0.0
Total	100.0	100.0	100.0	100.0
Percentage with basic drinking water service <sup>3</sup>	96.1	91.5	93.4	93.1
Percentage with limited drinking water service <sup>4</sup>	1.3	2.7	2.2	2.3
<b>Water treatment prior to drinking<sup>5</sup></b>				
Boil	23.0	17.0	19.5	18.6
Bleach or chlorine tablets	0.2	0.4	0.3	0.3
Strain through cloth	15.7	24.9	21.1	22.6
Use ceramic, sand, or other water filter	29.6	10.5	18.4	17.7
Use electronic purifier	8.1	1.9	4.4	4.2
Use solar disinfection	0.2	0.1	0.2	0.1
Allow water to stand and settle	0.9	1.4	1.2	1.3
Other	2.9	3.3	3.1	3.2
No treatment	33.3	48.6	42.3	42.2
Percentage using an appropriate treatment method <sup>6</sup>	53.5	28.2	38.6	37.2
<b>Sanitation Facility</b>				
<b>Improved, not shared facility</b>				
Flush/pour flush to piped sewer system, septic tank, or pit latrine	84.4	68.6	75.1	74.8
Flush/pour flush, don't know where	78.6	61.3	68.4	68.0
Flush/pour flush, don't know where	0.1	0.1	0.1	0.1
Pit latrine with slab	4.3	5.9	5.2	5.2
Other <sup>7</sup>	1.4	1.3	1.4	1.5
<b>Shared facility<sup>8</sup></b>				
Flush/pour flush to piped sewer system, septic tank, or pit latrine	4.9	2.7	3.6	3.3
Flush/pour flush to piped sewer system, septic tank, or pit latrine	4.5	2.5	3.4	3.1
Flush/pour flush, don't know where	0.0	0.0	0.0	0.0
Pit latrine with slab	0.3	0.1	0.2	0.2
Other <sup>7</sup>	0.1	0.0	0.1	0.1
<b>Unimproved</b>				
Flush/pour flush not to piped sewer system, septic tank, or pit latrine	3.8	3.5	3.6	3.6
Flush/pour flush not to piped sewer system, septic tank, or pit latrine	2.8	1.2	1.8	1.6
Pit latrine without slab/open pit	0.6	1.2	0.9	1.0
Dry toilet	0.2	0.8	0.5	0.6
Other	0.2	0.4	0.3	0.3
No facility/uses open spaces/field	6.9	25.2	17.7	18.3
Total	100.0	100.0	100.0	100.0
Percentage with basic sanitation service <sup>9</sup>	84.4	68.6	75.1	74.8
Percentage with limited sanitation service <sup>10</sup>	4.9	2.7	3.6	3.3

*Continued...*

Table 4 Household and housing characteristics—Continued

Percent distribution of urban, rural, and total households and *de jure* population by household and housing characteristics, Karnataka, 2019-20

Household and housing characteristic	Urban	Rural	Total	<i>De jure</i> population
<b>Type of house<sup>11</sup></b>				
<i>Kachha</i>	1.0	3.7	2.6	2.6
Semi-pucca	21.3	39.6	32.1	32.1
Pucca	76.3	54.8	63.7	63.6
Missing	1.4	1.8	1.6	1.7
Total	100.0	100.0	100.0	100.0
<b>Persons per room used for sleeping</b>				
<3	67.2	60.7	63.4	53.6
3-4	24.5	27.6	26.3	31.0
5-6	7.0	9.2	8.3	11.5
7 and over	1.4	2.4	2.0	4.0
Total	100.0	100.0	100.0	100.0
<b>Cooking fuel</b>				
Electricity	0.4	0.1	0.3	0.2
LPG/natural gas	93.6	68.3	78.8	77.0
Biogas	0.5	0.9	0.7	0.8
Kerosene	0.4	0.7	0.6	0.5
Coal/lignite	0.1	0.4	0.2	0.3
Charcoal	0.2	0.8	0.5	0.6
Wood	4.3	28.0	18.2	19.9
Straw/shrubs/grass	0.1	0.1	0.1	0.1
Agricultural crop waste	0.0	0.5	0.3	0.3
Dung cakes	0.0	0.0	0.0	0.0
No food cooked in the household	0.5	0.1	0.2	0.1
Other	0.0	0.1	0.0	0.0
Total	100.0	100.0	100.0	100.0
Percentage using clean fuel for cooking <sup>12</sup>	94.5	69.3	79.7	78.1
Percentage using solid fuel for cooking <sup>13</sup>	4.6	29.8	19.4	21.2
<b>Place for cooking</b>				
In the house, separate room	83.4	79.8	81.3	82.2
In the house, no separate room	9.1	10.9	10.2	9.3
In a separate building	6.5	7.4	7.0	7.0
Outdoors	0.5	1.8	1.2	1.4
No food cooked in household	0.5	0.1	0.2	0.1
Other	0.0	0.0	0.0	0.0
Total	100.0	100.0	100.0	100.0
Number	10,981	15,593	26,574	112,880
<b>Type of fire/stove among households using solid fuels<sup>13</sup></b>				
Stove	4.6	2.3	2.5	2.1
<i>Chullah</i>	66.4	64.1	64.4	63.4
Open fire	28.9	33.6	33.1	34.5
Total	100.0	100.0	100.0	100.0
Number using solid fuel	508	4,642	5,150	23,971

Continued...

Table 4 Household and housing characteristics—*Continued*

Percent distribution of urban, rural, and total households and *de jure* population by household and housing characteristics, Karnataka, 2019-20

Household and housing characteristic	Urban	Rural	Total	<i>De jure</i> population
<b>Frequency of smoking in the house<sup>14</sup></b>				
Daily	9.8	12.8	11.6	12.2
Weekly	5.4	4.9	5.1	5.3
Monthly	2.8	2.4	2.6	2.6
Less than monthly	2.2	2.4	2.3	2.4
Never	79.9	77.5	78.5	77.5
Total	100.0	100.0	100.0	100.0
Number	10,981	15,593	26,574	112,880

na = Not applicable

<sup>1</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.

<sup>2</sup> Protected dug well, protected spring, rainwater, community RO plant, tanker truck, cart with small tank, bottled water

<sup>3</sup> Defined as drinking water from an improved source, provided either water is on the premises or round-trip collection time is 30 minutes or less. Includes safely managed drinking water, which is not shown separately.

<sup>4</sup> Drinking water from an improved source, provided round-trip collection time is more than 30 minutes or is unknown.

<sup>5</sup> Total may add to more than 100.0 because households may use more than one method of treatment

<sup>6</sup> Appropriate water treatment methods are boiling, adding bleach/chlorine tablets, filtering, electronic purifying, and solar disinfection

<sup>7</sup> Includes ventilated improved pit (VIP) latrine/biogas latrine, and twin pit/composting toilet

<sup>8</sup> Facilities that would be considered improved if they were not shared by two or more households

<sup>9</sup> Defined as use of improved facilities that are not shared with other households.

<sup>10</sup> Defined as use of improved facilities shared by two or more households.

<sup>11</sup> Houses made from mud, thatch, or other low-quality materials are called *kachha* houses, houses that use partly low-quality and partly high-quality materials are called semi-*pucca* houses, and houses made with high quality materials throughout, including the floor, roof, and exterior walls, are called *pucca* houses.

<sup>12</sup> Electricity, LPG/natural gas, biogas

<sup>13</sup> Includes coal/lignite, charcoal, wood, straw/shrubs/grass, agricultural crop waste, and dung cakes

<sup>14</sup> Frequency of smoking by anyone inside the house

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**Table 5 Access to a toilet facility**

Percentage of households having access to a toilet facility by selected background characteristics, according to residence, Karnataka, 2019-20

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Background characteristic	Urban	Rural	Total
<b>Religion of household head</b>			
Hindu	92.8	75.8	82.3
Muslim	94.8	75.7	87.6
Christian	98.2	90.0	95.4
Other	(96.0)	74.6	84.7
<b>Caste/tribe of household head</b>			
Scheduled caste	88.0	69.4	76.1
Scheduled tribe	89.9	72.0	78.2
Other backward class	94.6	79.0	85.5
Other	95.9	78.4	87.6
Don't know	(99.0)	67.3	81.4
Total	93.3	75.9	83.1

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Note: Includes households that have any type of toilet facility that household members usually use and households that do not use a toilet facility but report that they have access to a toilet facility. Figures in parentheses are based on 25-49 unweighted cases.

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**Table 6 Access to a toilet facility by district**

Percentage of households having access to a toilet facility by district, according to residence, Karnataka, 2019-20

District	Residence		
	Urban	Rural	Total
Bagalkot	61.3	50.7	54.2
Bangalore	98.9	98.2	98.9
Bangalore Rural	96.2	93.8	94.5
Belgaum	88.7	65.8	72.2
Bellary	84.1	65.2	72.9
Bidar	76.6	61.9	65.8
Bijapur	87.7	41.1	51.9
Chamarajanagar	93.2	77.7	80.7
Chikkaballapura	98.8	89.1	91.4
Chikmagalur	98.9	94.8	95.6
Chitradurga	98.7	63.8	70.6
Dakshina Kannada	100.0	99.2	99.6
Davanagere	97.2	89.7	92.3
Dharwad	96.6	69.0	85.8
Gadag	72.2	52.3	60.8
Gulbarga	78.7	35.6	49.9
Hassan	97.8	91.5	93.0
Haveri	90.7	77.0	80.5
Kodagu	100.0	98.7	98.9
Kolar	94.2	91.0	92.0
Koppal	77.3	60.9	63.8
Mandya	95.1	91.8	92.5
Mysore	96.7	85.0	91.3
Raichur	69.0	69.0	69.0
Ramanagara	98.2	91.7	93.5
Shimoga	97.4	94.4	95.4
Tumkur	96.8	83.4	87.4
Udupi	99.6	98.5	98.8
Uttara Kannada	92.6	92.8	92.7
Yadgir	54.4	44.4	46.6
Karnataka	93.3	75.9	83.1

Note: Includes households that have any type of toilet facility that household members usually use and households that do not use a toilet facility but report that they have access to a toilet facility.

**Table 7 Household possessions and land ownership**

Percentage of urban, rural, and total households and *de jure* population possessing various household goods, means of transport, agricultural land, a house, and farm animals and having a bank/post office account, a health insurance/financing scheme, a BPL card, and a long-lasting insecticide-treated (LLIN) mosquito net, Karnataka, 2019-20

Household possessions	Urban	Rural	Total	<i>De jure</i> population
<b>Household goods</b>				
Mattress	82.9	68.9	74.7	75.2
Pressure cooker	92.4	73.3	81.2	81.9
Chair	94.7	89.1	91.5	92.5
Cot or bed	85.4	70.3	76.5	77.6
Table	80.3	61.9	69.5	70.1
Electric fan	94.6	84.0	88.4	90.0
Radio or transistor	5.6	3.7	4.5	4.5
Television (black and white)	2.2	1.9	2.0	2.1
Television (colour)	90.7	79.2	83.9	85.9
Any television	91.3	80.1	84.7	86.7
Sewing machine	28.9	21.6	24.6	27.4
Mobile telephone	95.2	91.2	92.8	94.8
Landline telephone	5.7	1.8	3.4	3.4
Internet	62.7	42.3	50.7	54.2
Computer	18.3	4.3	10.0	9.8
Refrigerator	54.9	19.8	34.3	35.0
Air conditioner/cooler	18.4	4.5	10.2	10.2
Washing machine	33.6	6.0	17.4	16.7
Watch or clock	93.5	87.0	89.7	90.7
Water pump	13.8	15.9	15.0	16.8
Thresher	0.7	0.9	0.8	1.0
Tractor	1.0	4.7	3.2	4.5
None of the above	0.4	0.8	0.6	0.3
<b>Means of transport</b>				
Bicycle	31.7	32.6	32.2	35.8
Motorcycle or scooter	67.2	56.9	61.1	66.1
Animal-drawn cart	1.4	7.1	4.8	6.4
Car	14.0	5.6	9.1	9.6
None of the above	23.2	30.4	27.4	22.4
<b>Agricultural land</b>				
No agricultural land	85.4	39.5	58.4	54.9
Irrigated land only	4.4	24.4	16.1	18.1
Non-irrigated land only	8.8	31.2	21.9	22.9
Both irrigated and non-irrigated land	0.7	3.4	2.3	2.8
Irrigation not determined	0.7	1.6	1.2	1.3
Total	100.0	100.0	100.0	100.0
Percentage owning a house	36.9	53.4	46.6	48.2
Percentage owning farm animals <sup>1</sup>	7.1	47.4	30.8	35.9
Percentage having a bank account/post office account <sup>2</sup>	93.9	94.9	94.5	94.9
Percentage covered by a health insurance/financing scheme <sup>3</sup>	28.2	28.0	28.1	28.2
Percentage having a BPL card	63.8	89.5	78.9	80.8
Percentage with an LLIN mosquito net	9.2	18.6	14.7	15.6
Number	10,981	15,593	26,574	112,880

BPL = Below poverty line

<sup>1</sup> Cows, bulls, buffaloes, camels, horses, donkeys, mules, goats, sheep, chickens, or ducks

<sup>2</sup> Percentage of households in which any usual member of the household has a bank account/post office account

<sup>3</sup> Percentage of households in which any usual member of the household is covered by a health insurance/financing scheme

**Table 8** Preschool attendance

Percent of *de facto* household population age 2-4 years attending preschool by selected background characteristics, according to residence and sex, Karnataka, 2019-20

Background characteristic	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Religion of household head</b>									
Hindu	34.7	36.4	35.6	41.5	42.0	41.8	39.4	40.1	39.7
Muslim	45.2	39.0	41.9	36.4	38.9	37.5	41.2	39.0	40.1
Christian	*	*	*	*	*	(44.3)	*	(55.0)	43.6
<b>Caste/tribe of household head</b>									
Scheduled caste	33.0	31.1	32.0	41.8	39.1	40.5	39.1	36.4	37.8
Scheduled tribe	30.6	40.9	35.9	36.7	43.2	39.7	34.9	42.4	38.5
Other backward class	38.3	39.6	39.0	42.0	41.5	41.7	40.7	40.8	40.7
Other	44.7	37.5	41.3	44.6	43.9	44.3	44.7	40.5	42.7
Don't know	*	*	*	*	*	*	*	*	(27.1)
<b>Household structure<sup>1</sup></b>									
Nuclear	39.2	36.7	37.9	42.6	37.6	40.2	40.9	37.2	39.0
Non-nuclear	36.0	39.0	37.5	41.0	42.9	41.9	39.5	41.6	40.5
<b>Family size</b>									
3-5 members	36.9	35.7	36.3	44.3	42.7	43.5	41.0	39.1	40.0
6 or more members	37.9	41.1	39.5	39.3	40.7	40.0	38.9	40.8	39.9
Total	37.3	38.0	37.7	41.4	41.5	41.4	39.9	40.1	40.0

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes children in households with 1-2 members, who are not shown separately.

<sup>1</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.



**Table 9** Preschool attendance by district

Percentage of *de facto* household population age 2-4 years attending preschool by district, according to residence and sex, Karnataka, 2019-20

District	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bagalkot	*	(33.5)	36.6	44.0	34.3	38.9	43.5	34.0	38.2
Bangalore	(30.5)	26.9	28.5	*	*	*	32.8	28.9	30.6
Bangalore Rural	*	*	(31.8)	(37.2)	35.6	36.3	33.8	36.4	35.2
Belgaum	(21.0)	(23.5)	22.2	50.0	49.1	49.5	41.9	41.6	41.8
Bellary	*	(60.8)	(51.0)	46.4	39.7	42.8	44.1	46.3	45.3
Bidar	(49.8)	(57.6)	53.8	41.5	42.2	41.8	43.8	47.2	45.4
Bijapur	(38.8)	*	39.7	40.5	37.7	39.1	40.1	38.2	39.2
Chamarajanagar	*	*	(23.4)	(43.2)	44.0	43.6	37.5	40.0	38.8
Chikkaballapura	*	*	(64.2)	(53.9)	41.7	47.2	55.4	49.4	52.4
Chikmagalur	*	*	(32.8)	52.2	(38.4)	46.2	46.4	38.6	43.0
Chitradurga	*	*	(35.4)	44.1	45.7	44.8	41.9	44.4	43.0
Dakshina Kannada	(39.8)	(34.2)	36.8	(43.0)	(49.3)	46.0	41.8	42.6	42.2
Davanagere	(65.6)	*	57.4	31.6	(48.6)	38.0	44.0	47.1	45.2
Dharwad	(47.6)	(45.0)	46.4	(42.8)	(44.3)	43.5	45.5	44.7	45.1
Gadag	(59.6)	(51.0)	55.6	46.3	46.9	46.6	51.6	48.6	50.2
Gulbarga	(45.9)	(63.0)	53.8	25.8	25.8	25.8	32.6	39.6	35.7
Hassan	*	*	(39.3)	42.2	(35.8)	39.5	39.0	39.9	39.4
Haveri	*	*	(35.0)	45.1	33.3	39.9	42.7	33.8	38.7
Kodagu	*	*	*	33.8	40.3	37.5	30.9	43.4	37.8
Kolar	*	*	(34.8)	42.9	36.8	40.3	42.5	34.3	38.8
Koppal	*	*	(53.4)	34.1	43.0	38.5	40.4	42.7	41.6
Mandya	*	*	*	(48.6)	(54.1)	51.6	(51.5)	58.8	55.7
Mysore	*	(38.4)	31.9	(51.0)	(40.3)	45.5	38.1	39.3	38.8
Raichur	(38.9)	(51.7)	45.6	37.0	54.9	44.9	37.4	54.0	45.1
Ramanagara	*	*	(55.2)	(49.8)	(51.0)	50.3	46.9	(58.8)	52.1
Shimoga	(60.4)	*	58.9	21.7	31.0	26.6	34.6	37.7	36.2
Tumkur	*	*	(32.2)	36.7	28.4	32.7	34.7	30.5	32.6
Udupi	*	*	(53.4)	60.3	54.8	57.5	59.4	53.3	56.3
Uttara Kannada	*	*	(30.3)	(28.5)	(41.7)	33.7	29.4	36.7	32.6
Yadgir	(17.7)	(22.1)	20.1	32.0	38.1	35.0	28.9	34.1	31.6
Karnataka	37.3	38.0	37.7	41.4	41.5	41.4	39.9	40.1	40.0

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

**Table 10 School attendance**

Percentage of *de facto* household population age 6-17 years attending school in the 2019-20 school year by sex and residence, according to background characteristics, Karnataka, 2019-20

Background characteristic	Male			Female			Total		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
<b>Age</b>									
6-10 (Primary)	98.9	97.6	98.1	99.1	97.8	98.3	99.0	97.7	98.2
6-13 (Elementary)	98.4	97.3	97.7	98.4	97.5	97.9	98.4	97.4	97.8
11-13 (Upper Primary)	97.5	96.8	97.1	97.3	97.1	97.2	97.4	96.9	97.1
14-15 (Secondary)	90.1	87.8	88.7	93.1	87.3	89.4	91.5	87.5	89.0
16-17 (Higher Secondary)	74.8	68.6	71.3	77.8	62.7	68.8	76.3	65.6	70.0
11-14 years	96.2	95.7	95.9	96.7	95.6	96.0	96.5	95.6	96.0
15-17 years	78.8	73.7	75.8	82.1	69.9	74.6	80.4	71.8	75.2
6-14 years	97.8	96.8	97.2	98.1	96.8	97.3	97.9	96.8	97.2
6-17 years	93.1	91.4	92.1	94.1	90.2	91.7	93.6	90.8	91.9
<b>Religion of household head</b>									
Hindu	94.2	91.7	92.6	95.1	90.3	92.0	94.7	91.0	92.3
Muslim	89.3	87.5	88.6	89.9	87.6	89.0	89.6	87.5	88.8
Christian	98.5	96.1	97.6	(99.2)	93.5	97.3	98.8	94.9	97.5
Other	*	*	(90.1)	*	(94.8)	97.6	(94.9)	94.1	94.5
<b>Caste/tribe of household head</b>									
Scheduled caste	92.6	89.9	90.8	94.3	87.2	89.7	93.5	88.5	90.3
Scheduled tribe	96.5	88.2	91.0	88.4	86.5	87.1	92.9	87.4	89.1
Other backward class	92.7	92.8	92.8	95.2	91.9	93.2	93.9	92.4	93.0
Other	93.2	92.1	92.7	93.1	93.3	93.2	93.2	92.7	93.0

Note: In this table, children's age refers to their age at the start of the 2019-20 school year (assumed here to be April 2019). Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

**Table 11 Children's living arrangements and orphanhood**

Percent distribution of *de jure* children under age 18 by their living arrangements, and percentage of children with one or both biological parents dead, according to background characteristics, Karnataka, 2019-20

Background characteristic	Living with both parents	Living with mother but not with father	Living with father but not with mother	Not living with either parent	Total	Percentage with one or both parents dead <sup>1</sup>	Number of children
<b>Age</b>							
<5 years	88.4	9.5	0.7	1.4	100.0	1.7	7,819
5-9 years	89.0	6.3	1.2	3.5	100.0	3.7	9,130
10-14 years	85.6	9.1	1.1	4.2	100.0	7.1	8,734
15-17 years	81.7	10.8	1.6	5.8	100.0	9.7	5,137
<b>Residence</b>							
Urban	88.3	8.1	1.0	2.6	100.0	4.6	11,970
Rural	85.6	9.0	1.2	4.2	100.0	5.5	18,850
<b>Sex</b>							
Male	87.1	8.5	1.1	3.2	100.0	5.0	15,769
Female	86.2	8.8	1.1	3.9	100.0	5.3	15,051
Total age <15 years	87.7	8.2	1.0	3.1	100.0	4.3	25,683
Total age <18 years	86.7	8.7	1.1	3.6	100.0	5.2	30,820

<sup>1</sup> Includes children with father dead, mother dead, both parents dead, and one parent dead but missing information on survival status of the other parent

**Table 12 Birth registration of children under age 5**

Percentage of *de jure* children under age 5 years whose birth was registered with the civil authorities, according to background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of children whose birth was registered		Total registered	<i>De jure</i> children
	Registered, has a birth certificate	Registered, does not have a birth certificate		
<b>Age</b>				
<2	82.7	14.4	97.1	2,960
2-4	88.8	8.9	97.8	4,859
<b>Sex</b>				
Male	85.9	11.2	97.0	3,970
Female	87.2	10.9	98.0	3,849
<b>Residence</b>				
Urban	88.9	9.8	98.7	2,921
Rural	85.1	11.7	96.8	4,897
Total	86.5	11.0	97.5	7,819

**Table 13 Birth registration of children under age 5 by district**

Percentage of *de jure* children under age 5 years whose birth was registered with the civil authorities, by district, Karnataka, 2019-20

District	Percentage of children whose birth was registered			<i>De jure</i> children
	Registered, has a birth certificate	Registered, does not have a birth certificate	Total registered	
Bagalkot	86.5	11.3	97.7	247
Bangalore	94.6	4.7	99.3	915
Bangalore Rural	92.4	6.6	99.0	102
Belgaum	90.1	6.5	96.5	787
Bellary	88.7	8.2	96.9	267
Bidar	84.6	13.3	97.9	272
Bijapur	79.7	15.7	95.5	343
Chamarajanagar	89.4	10.6	100.0	111
Chikkaballapura	88.2	9.4	97.6	119
Chikmagalur	87.9	10.5	98.5	120
Chitradurga	88.0	11.5	99.5	165
Dakshina Kannada	87.5	10.3	97.8	251
Davanagere	83.2	13.8	97.0	255
Dharwad	86.7	12.9	99.7	247
Gadag	89.2	10.5	99.7	166
Gulbarga	78.0	19.0	97.0	412
Hassan	91.1	7.3	98.4	194
Haveri	88.5	10.0	98.5	250
Kodagu	89.0	8.2	97.2	65
Kolar	89.3	10.2	99.6	179
Koppal	80.3	14.7	95.1	221
Mandya	95.3	4.7	100.0	147
Mysore	90.8	8.8	99.6	403
Raichur	67.3	21.4	88.7	402
Ramanagara	93.7	6.3	100.0	97
Shimoga	90.3	9.7	100.0	199
Tumkur	83.4	15.3	98.7	308
Udupi	84.1	14.4	98.5	144
Uttara Kannada	92.2	7.0	99.2	195
Yadgir	72.7	20.0	92.7	236
Karnataka	86.5	11.0	97.5	7,819

**Table 14 Death registration**

Among deaths of usual residents during the 3 years preceding the survey, percentage of deaths registered with civil authority by selected background characteristics, according to residence and sex, Karnataka, 2019-20

Background characteristic	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Age at death</b>									
0-4	85.2	84.2	84.7	81.2	75.1	78.6	82.3	77.9	80.4
15-24	*	*	*	(82.3)	*	75.0	(85.0)	(64.5)	77.2
20-24	*	*	*	(83.4)	*	(75.3)	(86.2)	*	77.2
25-34	*	*	(80.9)	86.8	(82.4)	85.1	82.7	(84.9)	83.5
35 and over	91.8	86.5	89.8	88.9	85.9	87.7	90.0	86.1	88.5
<b>Religion of household head</b>									
Hindu	90.2	87.8	89.4	87.5	84.7	86.3	88.4	85.5	87.3
Muslim	87.9	79.5	84.1	83.7	55.0	72.1	86.1	70.0	79.1
Christian	*	*	*	*	*	*	(95.0)	*	(87.6)
<b>Caste/tribe of household head</b>									
Scheduled caste	95.0	(80.3)	90.0	85.4	84.4	85.0	88.8	83.2	86.6
Scheduled tribe	(82.4)	*	(82.9)	83.6	81.3	82.7	83.4	81.7	82.8
Other backward class	89.5	85.2	87.9	88.9	84.8	87.2	89.1	85.0	87.5
Other	89.7	91.8	90.5	87.2	71.7	80.2	88.5	81.1	85.3
Total	90.4	85.9	88.7	87.3	82.9	85.5	88.4	83.9	86.6

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes deaths of persons age 5-9 or 10-14, which are not shown separately.

**Table 15 Death registration by district**

Among deaths of usual residents during the 3 years preceding the survey, percentage of deaths registered with civil authority by district, according to residence and sex, Karnataka, 2019-20

District	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bagalkot	*	*	(75.6)	(80.4)	(74.0)	77.2	80.5	72.3	76.8
Bangalore	(91.5)	*	(90.1)	*	*	*	(91.5)	*	91.0
Bangalore Rural	*	*	*	(93.8)	(91.0)	92.7	95.5	(92.8)	94.5
Belgaum	*	*	*	(86.6)	*	88.2	88.7	(93.3)	90.4
Bellary	*	*	(91.6)	(95.8)	*	87.9	95.6	(78.3)	89.2
Bidar	*	*	*	84.4	(73.6)	80.2	84.8	(64.3)	76.5
Bijapur	*	*	(88.8)	(85.9)	(84.6)	85.3	86.6	(85.6)	86.2
Chamarajanagar	*	*	*	83.2	(83.0)	83.1	83.2	(85.8)	84.0
Chikkaballapura	*	*	*	(82.0)	(83.9)	83.0	(88.9)	(83.6)	86.4
Chikmagalur	*	*	(88.3)	91.3	*	91.7	89.6	(94.3)	90.9
Chitradurga	*	*	(100.0)	81.8	(93.9)	86.0	85.4	(95.7)	89.2
Dakshina Kannada	*	*	(88.3)	*	*	(98.1)	(98.1)	*	93.8
Davanagere	*	*	*	(84.8)	*	78.9	(85.5)	(78.9)	82.4
Dharwad	(97.3)	*	(98.4)	*	*	(92.8)	95.1	(97.7)	96.2
Gadag	(91.3)	*	(91.4)	89.1	(74.5)	83.8	90.1	(80.4)	87.0
Gulbarga	*	*	(73.6)	(87.1)	(66.4)	77.1	85.2	67.2	76.3
Hassan	*	*	(96.1)	(97.7)	(72.6)	87.6	98.3	(78.6)	90.0
Haveri	*	*	*	(90.2)	(85.6)	88.0	(91.5)	(87.3)	89.6
Kodagu	*	*	*	95.4	*	93.9	93.3	(89.2)	92.0
Kolar	*	*	*	(95.2)	*	92.3	95.9	(88.9)	92.8
Koppal	*	*	*	(80.3)	(77.3)	78.9	81.4	(74.5)	78.0
Mandya	*	*	*	95.5	(87.4)	92.3	93.0	(85.4)	89.8
Mysore	(83.4)	*	(88.1)	(78.7)	*	81.8	81.5	(93.1)	85.3
Raichur	*	*	*	(80.3)	(56.8)	70.3	79.6	(58.0)	70.9
Ramanagara	*	*	*	95.9	(81.7)	89.6	95.4	(82.6)	89.9
Shimoga	*	*	(79.4)	(80.5)	(94.1)	86.4	83.9	83.9	83.9
Tumkur	*	*	*	(89.8)	(97.1)	92.8	89.4	(97.6)	92.8
Udupi	*	*	(100.0)	79.5	(78.9)	79.3	84.7	(86.7)	85.4
Uttara Kannada	*	*	*	(91.5)	*	90.5	(91.4)	(80.6)	87.3
Yadgir	*	*	*	75.8	(74.9)	75.5	74.8	(73.4)	74.2
Karnataka	90.4	85.9	88.7	87.3	82.9	85.5	88.4	83.9	86.6

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.



**Table 16 Disability**

Percentage of *de jure* household population having disability by type of disability, according to residence, age, and sex, Karnataka, 2019-20

Background characteristic	Type of disability							Number of persons
	Any	Hearing disability	Speech disability	Visual disability	Mental disability	Locomotor	Other	
<b>FEMALE</b>								
<b>Residence</b>								
Urban	0.6	0.1	0.1	0.0	0.1	0.2	0.1	22,572
Rural	1.1	0.2	0.2	0.1	0.2	0.3	0.2	34,453
<b>Age</b>								
0-4	0.2	0.0	0.0	0.0	0.1	0.0	0.1	3,849
5-14	0.7	0.1	0.2	0.1	0.2	0.2	0.1	8,660
15-24	1.0	0.1	0.2	0.1	0.4	0.3	0.2	8,964
25-34	0.9	0.2	0.1	0.1	0.2	0.3	0.2	9,900
35-49	1.1	0.1	0.1	0.1	0.3	0.4	0.2	12,269
50-69	1.1	0.1	0.1	0.1	0.1	0.5	0.3	10,647
70 and over	1.4	0.6	0.1	0.2	0.1	0.3	0.3	2,736
<b>Total</b>	<b>0.9</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>57,025</b>
<b>MALE</b>								
<b>Residence</b>								
Urban	1.1	0.1	0.2	0.1	0.2	0.4	0.2	22,056
Rural	1.8	0.3	0.3	0.2	0.2	0.7	0.4	33,799
<b>Age</b>								
0-4	0.4	0.1	0.1	0.0	0.0	0.1	0.1	3,971
5-14	1.2	0.2	0.5	0.1	0.3	0.4	0.1	9,205
15-24	1.2	0.2	0.4	0.1	0.3	0.4	0.2	8,676
25-34	1.5	0.1	0.2	0.2	0.3	0.6	0.3	9,500
35-49	2.0	0.2	0.3	0.2	0.3	0.7	0.5	11,828
50-69	2.0	0.4	0.1	0.2	0.2	0.8	0.5	9,954
70 and over	2.0	0.4	0.0	0.2	0.1	0.9	0.5	2,722
<b>Total</b>	<b>1.5</b>	<b>0.2</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>	<b>0.3</b>	<b>55,855</b>
<b>TOTAL</b>								
<b>Residence</b>								
Urban	0.9	0.1	0.1	0.1	0.2	0.3	0.2	44,628
Rural	1.5	0.2	0.2	0.2	0.2	0.5	0.3	68,252
<b>Age</b>								
0-4	0.3	0.1	0.1	0.0	0.1	0.0	0.1	7,820
5-14	0.9	0.1	0.4	0.1	0.2	0.3	0.1	17,865
15-24	1.1	0.2	0.3	0.1	0.3	0.3	0.2	17,640
25-34	1.2	0.1	0.2	0.1	0.3	0.4	0.2	19,400
35-49	1.5	0.2	0.2	0.1	0.3	0.5	0.4	24,097
50-69	1.5	0.2	0.1	0.2	0.1	0.6	0.4	20,601
70 and over	1.7	0.5	0.1	0.2	0.1	0.6	0.4	5,458
<b>Total</b>	<b>1.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.4</b>	<b>0.3</b>	<b>112,880</b>

Note: Table is based on the responses of the respondent to the household questionnaire.

**Table 17 Background characteristics of respondents**

Percent distribution of women and men age 15-49 by selected background characteristics, Karnataka, 2019-20

Background characteristic	Weighted percent		Number of women		Number of men	
	Women	Men	Weighted	Unweighted	Weighted	Unweighted
<b>Age</b>						
15-19	14.4	15.2	4,374	4,485	625	635
20-24	14.3	14.1	4,365	4,401	582	565
25-29	16.8	14.1	5,118	4,989	581	605
30-34	14.5	14.8	4,421	4,336	608	605
35-39	15.0	15.7	4,581	4,516	648	626
40-44	11.5	12.9	3,510	3,500	531	517
45-49	13.4	13.2	4,086	4,228	545	546
<b>Residence</b>						
Urban	40.6	41.7	12,361	8,962	1,718	1,199
Rural	59.4	58.3	18,094	21,493	2,402	2,900
<b>Schooling</b>						
No schooling	19.5	10.8	5,926	6,392	443	464
<5 years complete	5.2	5.7	1,593	1,757	234	252
5-9 years complete	25.1	27.0	7,642	8,085	1,113	1,203
10-11 years complete	22.7	22.9	6,927	6,667	943	901
12 or more years complete	27.5	33.7	8,367	7,554	1,386	1,279
<b>Literacy</b>						
Literate <sup>1</sup>	73.4	85.2	22,360	21,768	3,509	3,438
Not literate	26.0	13.7	7,911	8,493	563	610
Not measured	0.6	1.2	183	194	47	51
<b>Percentage exposed to various media</b>						
Reads a newspaper/magazine at least once a week	28.6	42.7	8,714	7,871	1,757	1,736
Watches television at least once a week	73.8	67.7	22,478	22,328	2,788	2,778
Listens to the radio at least once a week	10.0	19.8	3,034	2,825	818	789
Visits the cinema/theatre at least once a month	25.6	49.0	7,793	6,585	2,019	1,952
Not regularly exposed to any media	19.5	13.1	5,939	6,200	539	591
<b>Marital status</b>						
Never married	21.7	41.9	6,602	6,545	1,728	1,716
Currently married	71.9	57.2	21,891	21,855	2,358	2,349
Married, <i>gauna</i> not performed	0.1	0.0	34	34	0	0
Widowed	4.8	0.3	1,456	1,532	14	8
Divorced/separated/deserted	1.6	0.5	473	489	20	26
<b>Religion</b>						
Hindu	86.0	88.0	26,192	26,199	3,624	3,543
Muslim	11.7	10.2	3,575	3,742	422	500
Christian	1.6	1.1	480	383	46	40
Other	0.7	0.7	208	131	28	16

Continued...

Table 17 Background characteristics of respondents—Continued

Percent distribution of women and men age 15-49 by selected background characteristics, Karnataka, 2019-20

Background characteristic	Weighted percent		Number of women		Number of men	
	Women	Men	Weighted	Unweighted	Weighted	Unweighted
<b>Caste/tribe</b>						
Scheduled caste	21.1	19.3	6,434	6,416	796	780
Scheduled tribe	10.5	9.0	3,184	3,356	370	405
Other backward class	56.3	57.1	17,155	17,351	2,351	2,241
Other	11.4	14.4	3,484	3,166	595	664
Don't know	0.6	0.2	197	166	7	9
Total age 15-49	100.0	100.0	30,455	30,455	4,120	4,099
Age 50-54	na	8.8	na	na	396	417
Total age 15-54	na	100.0	na	na	4,516	4,516
<b>Employment status (past 12 months)</b>						
Employed at any time	40.9	80.7	1,824	2,004	3,323	3,402
In agricultural occupation	4.4	33.6	194	176	1,383	1,631
In non-agricultural occupation	34.9	40.0	1,553	1,742	1,649	1,442
Don't know	1.7	7.1	77	86	291	329
Not employed	59.1	19.3	2,631	2,551	796	697
Total age 15-49	100.0	100.0	4,454	4,555	4,120	4,099
Age 50-54	na	8.8	na	na	396	417
Total age 15-54	na	100.0	na	na	4,516	4,516

na = Not applicable

<sup>1</sup> Refers to women/men who can read a whole sentence or part of a sentence and women/men who completed standard 9 or higher (who are assumed to be literate)

**Table 18 Fertility trends**

Age-specific and total fertility rates and crude birth rates for the 3 years preceding the survey from NFHS-5, NFHS-4, and NFHS-3, by residence, Karnataka

Age	NFHS-5			NFHS-4			NFHS-3		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
15-19	0.027	0.047	0.040	0.034	0.063	0.051	0.052	0.107	0.086
20-24	0.122	0.167	0.149	0.143	0.185	0.167	0.167	0.179	0.175
25-29	0.095	0.104	0.100	0.105	0.100	0.102	0.104	0.099	0.101
30-34	0.041	0.032	0.036	0.036	0.028	0.031	0.040	0.040	0.040
35-39	0.013	0.006	0.009	0.011	0.006	0.008	0.009	0.011	0.010
40-44	0.001	0.001	0.001	0.000	0.002	0.001	0.005	0.001	0.002
TFR (15-49)	1.50	1.79	1.67	1.65	1.92	1.81	1.89	2.19	2.07
CBR	13.2	14.9	14.2	15.2	16.5	15.9	18.6	20.2	19.6

Note: Rates are for the period 1-36 months preceding the survey (approximately 2003-05 for NFHS-3, 2013-2015 for NFHS-4, and 2017-2019 for NFHS-5). Age-specific fertility rates are expressed per woman.

TFR = Total fertility rate, expressed per woman

CBR = Crude birth rate, expressed per 1,000 population

**Table 19 Fertility by background characteristics**

Total fertility rate for the 3 years preceding the survey, percentage of women age 15-49 currently pregnant, mean number of children ever born to women age 40-49, and total wanted fertility by background characteristics, Karnataka, 2019-20

Background characteristic	Total fertility rate	Percentage of women age 15-49 currently pregnant	Mean number of children ever born to women age 40-49	Total wanted fertility rate
<b>Residence</b>				
Urban	1.50	3.0	2.2	1.25
Rural	1.79	3.4	2.5	1.46
<b>Schooling</b>				
No schooling	2.13	1.6	2.7	1.62
<5 years complete	2.20	1.5	2.6	1.69
5-9 years complete	1.90	2.6	2.3	1.54
10-11 years complete	1.75	3.8	2.1	1.46
12 or more years complete	1.76	4.8	1.8	1.50
<b>Religion</b>				
Hindu	1.62	3.1	2.3	1.35
Muslim	2.05	4.1	3.0	1.59
Christian	1.45	2.6	2.0	1.34
Other	2.26	3.4	(2.2)	2.01
<b>Caste/tribe</b>				
Scheduled caste	1.64	3.3	2.6	1.32
Scheduled tribe	1.84	3.4	2.6	1.55
Other backward class	1.61	3.2	2.3	1.35
Other	1.87	3.3	2.4	1.44
Don't know	2.07	5.0	(2.8)	1.48
Total	1.67	3.2	2.4	1.38

Note: Total fertility rates are for the period 1-36 months preceding the interview. Figures in parentheses are based on 25-49 unweighted cases.

**Table 20 Teenage pregnancy and motherhood**

Percentage of women age 15-19 who have had a live birth or who are pregnant with their first child, and percentage who have begun childbearing, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of women age 15-19 who:		Percentage of women age 15-19 who have begun childbearing	Number of women
	Have had a live birth	Are pregnant with first child		
<b>Age</b>				
15-17	1.3	1.5	2.7	2,541
15	0.0	0.1	0.1	946
16	0.4	0.2	0.5	779
17	0.9	1.2	2.1	816
18	3.9	1.9	5.8	893
19	11.9	5.3	17.2	941
<b>Residence</b>				
Urban	2.4	1.0	3.4	1,675
Rural	4.3	2.3	6.6	2,699
<b>Schooling</b>				
No schooling	15.3	3.0	18.3	98
<5 years complete	(18.0)	(6.9)	(24.9)	33
5-9 years complete	4.6	1.7	6.3	1,325
10-11 years complete	3.2	1.7	4.9	1,749
12 or more years complete	1.5	1.9	3.4	1,169
<b>Marital status</b>				
Never married	0.0	0.0	0.0	3,875
Currently married	31.8	16.0	47.8	494
<b>Religion</b>				
Hindu	3.6	1.8	5.4	3,645
Muslim	4.1	2.1	6.2	623
Christian	0.0	0.0	0.0	86
<b>Caste/tribe</b>				
Scheduled caste	4.2	1.9	6.1	1,056
Scheduled tribe	4.5	1.3	5.7	444
Other backward class	3.3	1.8	5.1	2,315
Other	3.3	1.9	5.3	521
Don't know	(0.0)	(4.6)	(4.6)	38
<b>Total</b>	<b>3.6</b>	<b>1.8</b>	<b>5.4</b>	<b>4,374</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes widowed/divorced/separated/deserted women and women belonging to other religions, who are not shown separately.

**Table 21 Birth order**

Percent distribution of births to all women during the 3 years preceding the survey by birth order, according to background characteristics, Karnataka, 2019-20, and percent distribution of births to women by birth order, NFHS-4

Background characteristic	Birth order				Total	Number of births
	1	2	3	4 or more		
<b>Mother's current age</b>						
15-19	84.6	15.4	0.0	0.0	100.0	167
20-29	46.1	36.5	13.8	3.7	100.0	3,622
30-39	25.3	43.2	18.9	12.6	100.0	904
40-49	(9.1)	(46.8)	(20.2)	(23.9)	100.0	27
<b>Residence</b>						
Urban	45.2	37.1	12.9	4.8	100.0	1,740
Rural	42.1	37.0	15.1	5.7	100.0	2,979
<b>Mother's schooling</b>						
No schooling	26.1	31.8	25.5	16.5	100.0	479
<5 years complete	24.1	30.7	32.6	12.6	100.0	158
5-9 years complete	34.5	38.4	19.7	7.4	100.0	1,139
10-11 years complete	45.3	37.7	12.7	4.3	100.0	1,189
12 or more years complete	54.0	37.7	7.2	1.1	100.0	1,755
<b>Religion</b>						
Hindu	44.4	37.4	13.3	4.9	100.0	3,916
Muslim	36.2	33.5	21.5	8.8	100.0	710
Christian	44.6	51.8	3.6	0.0	100.0	51
Other	(51.1)	(43.2)	(4.0)	(1.7)	100.0	43
<b>Caste/tribe</b>						
Scheduled caste	43.7	36.2	14.7	5.4	100.0	1,008
Scheduled tribe	46.5	31.5	15.5	6.5	100.0	568
Other backward class	43.7	37.9	13.3	5.2	100.0	2,509
Other	38.1	40.2	16.5	5.2	100.0	604
Don't know	(35.2)	(40.1)	(19.5)	(5.2)	100.0	30
Total	43.3	37.1	14.3	5.4	100.0	4,720
NFHS-4 (2015-16)	46.3	36.8	12.3	4.6	100.0	4,685

Note: Figures in parentheses are based on 25-49 unweighted cases.



**Table 22 Birth intervals**

Percent distribution of births during the 5 years preceding the survey by interval since the preceding birth, and median number of months since the preceding birth, according to background characteristics, Karnataka, 2019-20

Background characteristic	Months since preceding birth						Total	Number of non-first order births	Median number of months since preceding birth
	7-17	18-23	24-35	36-47	48-59	60 or more			
<b>Mother's current age</b>									
20-29	12.1	22.4	36.5	15.2	8.4	5.4	100.0	3,127	28.1
30-39	3.8	11.4	21.7	17.6	13.7	32.0	100.0	1,342	44.9
40-49	8.2	2.4	12.7	10.3	8.1	58.3	100.0	81	67.7
<b>Residence</b>									
Urban	9.9	16.4	29.0	14.2	12.7	17.7	100.0	1,650	33.4
Rural	9.7	20.2	33.1	16.6	8.2	12.1	100.0	2,926	30.3
<b>Mother's schooling</b>									
No schooling	8.8	23.9	29.3	15.9	8.7	13.3	100.0	660	29.7
<5 years complete	6.4	17.6	40.2	8.2	7.5	20.1	100.0	229	30.7
5-9 years complete	12.1	19.8	32.7	15.1	9.4	10.8	100.0	1,326	29.7
10-11 years complete	10.9	19.0	33.0	14.6	9.7	12.9	100.0	1,133	29.7
12 or more years complete	7.3	15.0	29.0	18.9	11.5	18.3	100.0	1,227	35.0
<b>Religion</b>									
Hindu	9.1	18.8	32.2	15.9	9.8	14.2	100.0	3,725	31.3
Muslim	13.0	18.7	30.6	15.3	10.6	11.7	100.0	774	30.3
Christian	(8.3)	(24.3)	(21.9)	(17.7)	(0.0)	(27.8)	100.0	43	(33.0)
<b>Caste/tribe</b>									
Scheduled caste	10.8	21.7	33.5	15.5	7.0	11.6	100.0	957	28.9
Scheduled tribe	8.9	19.8	32.3	15.1	9.9	14.0	100.0	531	30.3
Other backward class	8.9	18.7	31.5	15.8	10.2	14.9	100.0	2,445	32.2
Other	12.6	14.9	29.1	16.6	11.5	15.3	100.0	598	33.2
Don't know	(6.5)	(7.2)	(25.1)	(13.9)	(31.0)	(16.3)	100.0	45	(43.4)
<b>Birth order</b>									
2-3	9.6	19.0	31.5	15.5	9.8	14.5	100.0	4,150	31.3
4-6	11.4	17.4	33.5	17.9	9.8	10.1	100.0	419	30.4
<b>Sex of preceding birth</b>									
Male	9.9	19.0	30.5	16.2	10.1	14.3	100.0	2,219	31.6
Female	9.6	18.7	32.7	15.4	9.6	14.0	100.0	2,357	30.9
<b>Survival of preceding birth</b>									
Living	8.8	18.8	31.8	16.0	10.1	14.4	100.0	4,396	31.7
Dead	33.1	19.2	26.9	9.3	3.6	8.0	100.0	180	23.2
Total	9.8	18.8	31.7	15.8	9.9	14.1	100.0	4,576	31.3

Note: The interval for multiple births is the number of months since the preceding pregnancy that ended in a live birth. Figures in parentheses are based on 25-49 unweighted cases. Total includes information on births to women age 15-19, women belonging to other religions, and births of birth order 7 or more, which is not shown separately.

**Table 23 Fertility preferences by number of living children**

Percent distribution of currently married women and men age 15-49 by desire for children, according to number of living children, Karnataka, 2019-20

Desire for children	Number of living children <sup>1</sup>							Total 15-49	Total 15-54
	0	1	2	3	4	5	6 or more		
<b>WOMEN</b>									
Want another soon <sup>2</sup>	64.7	31.6	5.9	3.0	1.4	4.1	3.2	15.7	na
Want another later <sup>3</sup>	9.5	25.5	3.5	1.0	0.9	0.9	0.5	8.1	na
Want another, undecided when	2.0	1.8	0.4	0.2	0.3	0.0	0.7	0.8	na
Undecided	5.3	3.6	1.1	0.7	0.6	0.4	2.8	1.9	na
Want no more	6.2	12.6	12.1	12.0	13.0	11.9	14.2	11.7	na
Sterilized <sup>4</sup>	1.3	21.2	73.8	79.1	77.9	78.7	70.8	57.4	na
Declared infecund	9.9	2.9	2.2	2.2	3.1	2.0	5.4	3.1	na
Missing	1.0	1.0	1.0	1.9	2.8	1.9	2.3	1.3	na
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	na
Number	1,923	4,682	9,482	4,204	1,170	311	120	21,891	na
<b>MEN</b>									
Want another soon <sup>2</sup>	34.7	29.3	6.0	5.2	8.4	(4.7)	*	15.8	13.8
Want another later <sup>3</sup>	14.3	23.2	5.6	3.5	5.0	(4.7)	*	10.5	9.3
Want another, undecided when	7.3	0.6	0.7	0.2	0.7	(0.0)	*	1.6	1.4
Undecided	4.0	8.1	3.5	0.2	0.6	(0.0)	*	3.8	3.4
Want no more	32.6	29.7	52.8	58.4	67.1	(53.4)	*	46.2	48.6
Sterilized <sup>4</sup>	1.8	5.8	28.5	28.5	16.1	(27.3)	*	18.4	19.7
Declared infecund	5.3	3.3	3.0	4.0	2.1	(9.8)	*	3.6	3.8
Missing	0.0	0.0	0.0	0.0	0.0	(0.0)	*	0.0	0.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number	377	527	892	405	114	27	16	2,358	2,742

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

<sup>1</sup> Includes current pregnancy of woman/wife

<sup>2</sup> Want next birth within 2 years

<sup>3</sup> Want to delay next birth for 2 or more years

<sup>4</sup> For Women: Includes both female and male sterilization and women who have had a hysterectomy

For Men: Includes male sterilization and men who mention in response to the question about desire for children that their wife has been sterilized

**Table 24 Desire not to have any more children**

Percentage of currently married women and men age 15-49 who want no more children by number of living children, according to background characteristics, Karnataka, 2019-20, and by number of living children, NFHS-4

Background characteristic	Women: Number of living children <sup>1</sup>						Men: Number of living children <sup>1</sup>					
	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total
<b>Age</b>												
15-24	3.4	6.9	56.0	69.2	*	22.3	*	*	*	*	*	(22.5)
25-34	5.8	20.7	82.0	88.1	85.5	63.2	24.2	18.9	73.2	68.5	(82.5)	43.1
35-49	19.8	70.9	94.1	94.3	92.2	87.7	43.1	51.9	83.7	91.3	84.0	74.7
<b>Residence</b>												
Urban	7.3	35.2	86.5	92.2	93.1	67.8	26.1	39.7	78.9	82.7	(77.5)	61.0
Rural	7.6	32.5	85.4	90.6	89.3	70.1	39.4	31.6	83.1	88.8	86.2	67.2
<b>Schooling</b>												
No schooling	17.8	62.0	89.3	91.7	90.4	83.3	35.8	(58.1)	81.4	86.7	83.5	72.6
<5 years complete	12.0	59.9	90.3	92.7	87.7	83.0	(67.9)	*	83.6	93.3	*	77.4
5-9 years complete	7.9	39.4	87.0	91.6	92.5	75.7	31.5	31.8	82.3	88.5	(95.6)	67.2
10-11 years complete	4.4	28.3	85.7	90.7	89.9	65.3	23.1	32.9	81.3	89.3	*	59.6
12 or more years complete	5.4	23.2	80.7	86.3	84.0	49.1	36.4	36.5	79.2	77.4	(67.9)	57.9
<b>Religion</b>												
Hindu	7.8	34.7	87.0	92.0	91.1	69.5	35.4	37.8	82.8	87.5	84.3	65.6
Muslim	3.2	22.1	72.2	86.4	88.1	65.2	(24.8)	(9.6)	62.8	79.6	(81.4)	53.9
Christian	*	50.0	93.2	(94.6)	*	79.9	*	*	*	*	*	*
Other	*	*	(79.6)	*	*	70.5	*	*	*	*	*	*
<b>Caste/tribe</b>												
Scheduled caste	7.2	34.8	84.5	91.0	90.3	69.5	24.9	22.0	83.7	87.0	(89.3)	66.0
Scheduled tribe	7.7	23.0	86.4	89.8	90.3	66.3	(27.0)	36.1	83.1	(76.8)	*	60.1
Other backward class	6.6	35.5	86.9	92.2	90.6	69.8	35.5	37.7	79.7	88.6	77.2	64.2
Other	13.7	33.3	81.6	88.5	89.9	67.9	44.0	41.5	84.2	86.9	(92.9)	67.3
Don't know	*	(30.0)	(79.8)	(85.8)	*	71.1	*	*	*	*	*	*
<b>Number of living sons<sup>2</sup></b>												
0	7.5	27.2	71.3	76.0	71.6	36.0	34.4	34.0	64.5	76.4	*	41.9
1	na	40.9	88.1	92.9	92.4	78.4	na	37.0	83.4	87.4	85.7	71.7
2	na	na	89.8	92.7	91.9	91.0	na	na	84.7	88.2	77.8	85.2
3	na	na	na	93.1	92.5	92.9	na	na	na	(93.6)	*	93.8
4 or more	na	na	na	na	na	88.7	na	na	na	na	na	*
Total	7.5	33.7	85.8	91.1	90.4	69.2	34.4	35.3	80.9	86.5	82.9	64.3
NFHS-4 (2015-16)	10.1	34.6	80.8	86.5	88.6	65.3	36.0	36.4	78.1	87.1	83.7	64.0

Note: Women who have been sterilized or whose husband has been sterilized are considered to want no more children. Men who are sterilized or who mention in response to the question about desire for children that their wife has been sterilized are considered to want no more children. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. na = Not applicable

<sup>1</sup> Includes current pregnancy of woman/wife

<sup>2</sup> Excludes pregnant women and men with pregnant wives

**Table 25 Ideal number of children**

Percent distribution of women and men age 15-49 by ideal number of children, and mean ideal number of children, by number of living children, Karnataka, 2019-20, and percent distribution women and men age 15-49 by ideal number of children, NFHS-4

Ideal number of children	Number of living children <sup>1</sup>							Total	NFHS-4 (2015-16)
	0	1	2	3	4	5	6 or more		
<b>WOMEN</b>									
0	10.0	5.8	10.1	12.8	13.7	12.0	17.4	9.9	15.5
1	14.5	18.1	3.4	1.2	0.4	2.0	0.8	8.6	11.5
2	69.2	70.1	72.9	39.6	30.1	22.0	18.2	63.8	60.9
3	4.6	4.7	10.9	33.7	14.4	15.3	12.3	11.6	7.8
4	1.0	1.0	2.2	11.8	37.8	22.8	22.7	4.9	3.4
5	0.1	0.1	0.1	0.4	1.9	19.5	5.5	0.4	0.4
6 or more	0.1	0.0	0.0	0.1	0.9	5.5	22.1	0.2	0.3
Non-numeric responses	0.6	0.2	0.4	0.4	0.8	1.0	0.9	0.4	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number	8,772	5,158	10,208	4,549	1,283	349	137	30,455	26,291
<b>Mean ideal number of children for<sup>2</sup>:</b>									
All respondents	1.7	1.8	1.9	2.3	2.7	3.2	3.4	2.0	1.7
Number of all respondents	8,720	5,147	10,172	4,533	1,272	345	135	30,325	26,270
Currently married respondents	1.9	1.8	1.9	2.3	2.7	3.2	3.4	2.0	1.8
Number of currently married respondents	1,920	4,672	9,451	4,188	1,160	309	118	21,818	19,133
<b>MEN</b>									
0	12.1	8.9	12.0	14.6	11.2	(19.8)	*	11.9	9.9
1	7.2	19.6	4.5	4.1	4.1	(0.0)	*	7.7	7.9
2	63.1	65.1	69.4	26.6	28.9	(16.1)	*	59.7	62.0
3	10.6	4.8	8.7	42.1	14.4	(11.0)	*	12.8	13.9
4	4.3	1.2	5.2	11.8	40.3	(18.4)	*	5.9	3.9
5	0.2	0.0	0.1	0.2	0.6	(32.4)	*	0.4	0.5
6 or more	0.3	0.1	0.1	0.0	0.0	(0.0)	*	0.2	0.4
Non-numeric responses	2.2	0.4	0.1	0.6	0.6	(2.4)	*	1.3	1.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number	2,106	539	906	411	115	27	17	4,120	3,743
<b>Mean ideal number of children for<sup>2</sup>:</b>									
All respondents	1.9	1.7	1.9	2.3	2.7	(3.1)	*	2.0	2.0
Number of all respondents	2,059	537	905	408	114	26	17	4,066	3,685
Currently married respondents	1.8	1.7	1.9	2.3	2.7	(3.1)	*	2.0	2.0
Number of currently married respondents	383	537	902	407	114	26	17	2,385	2,118

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Includes current pregnancy for women or wife's current pregnancy for men

<sup>2</sup> Means are calculated excluding respondents who gave non-numeric responses

**Table 26 Indicators of sex preference**

Percentage women and men age 15-49 who want more sons than daughters, percentage who want more daughters than sons, percentage who want at least one son, and percentage who want at least one daughter, according to background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Women				Number of women	Men				Number of men
	Percentage who want more sons than daughters	Percentage who want more daughters than sons	Percentage who want at least one son	Percentage who want at least one daughter		Percentage who want more sons than daughters	Percentage who want more daughters than sons	Percentage who want at least one son	Percentage who want at least one daughter	
<b>Age</b>										
15-19	8.6	4.6	73.4	72.0	4,343	11.3	2.9	74.2	71.2	597
20-29	12.9	6.3	76.6	74.0	9,454	14.2	4.2	78.1	73.9	1,152
30-39	15.3	6.6	75.8	72.5	8,954	16.6	8.9	76.0	73.4	1,244
40-49	17.4	6.6	75.3	71.9	7,548	19.8	8.6	77.8	70.9	1,070
<b>Residence</b>										
Urban	12.8	6.3	73.6	71.0	12,318	15.3	6.2	79.3	76.1	1,688
Rural	15.0	6.2	77.0	73.9	17,982	16.5	6.9	75.1	70.1	2,375
<b>Schooling</b>										
No schooling	20.0	7.5	76.7	72.9	5,887	19.7	9.2	74.7	69.6	438
<5 years complete	18.1	5.3	76.2	72.2	1,584	18.8	10.2	76.9	73.2	232
5-9 years complete	14.7	6.3	77.3	74.6	7,600	15.8	6.0	76.7	72.5	1,097
10-11 years complete	12.8	5.6	76.5	73.8	6,895	14.5	5.3	76.1	72.0	931
12 or more years complete	9.8	5.9	72.3	70.2	8,333	15.5	6.5	78.0	73.8	1,365
<b>Marital status</b>										
Never married	8.4	4.8	69.7	68.1	6,587	13.1	2.7	77.4	72.9	1,681
Currently married	15.7	6.7	77.6	74.5	21,800	17.9	9.3	76.5	72.7	2,348
Widowed/divorced/separated/deserted	15.2	5.9	72.4	68.3	1,912	(25.2)	(12.3)	(65.3)	(50.8)	34
<b>Religion</b>										
Hindu	14.0	6.2	75.4	72.4	26,065	16.0	6.9	76.2	71.9	3,574
Muslim	16.2	5.9	78.4	76.3	3,550	15.9	5.2	81.0	77.1	415
Christian	8.8	7.8	66.2	67.0	477	(17.9)	(1.7)	(88.5)	(85.3)	46
Other	9.6	7.8	67.8	67.7	208	*	*	*	*	28
<b>Caste/tribe</b>										
Scheduled caste	15.2	7.2	75.7	72.8	6,404	17.4	5.5	74.8	69.4	785
Scheduled tribe	16.4	6.2	78.5	74.9	3,173	14.4	9.6	76.0	72.9	369
Other backward class	13.6	6.2	75.6	72.9	17,065	14.9	6.2	76.6	73.1	2,314
Other	12.4	4.8	73.0	70.7	3,460	19.5	7.8	81.4	75.1	588
Don't know	14.2	6.6	67.7	60.4	197	*	*	*	*	7
<b>Total</b>	14.1	6.2	75.6	72.7	30,299	16.0	6.6	76.8	72.6	4,063
<b>NFHS-4 (2015-16)</b>	10.9	5.6	65.8	63.0	26,266	13.2	4.7	72.8	68.9	3,680

Note: Table excludes women and men who gave non-numeric responses to the questions on ideal number of children or ideal number of sons or daughters. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

**Table 27 Knowledge of contraceptive methods**

Percentage of all women and men, currently married women and men, and never married women and men who know any contraceptive method by specific method and residence, Karnataka, 2019-20

Method	Women			Men		
	All women	Currently married women	Never married women	All men	Currently married men	Never married men
URBAN						
Any method	99.5	99.8	98.7	99.5	99.6	99.3
<b>Any modern method</b>	99.5	99.8	98.7	99.5	99.6	99.3
Female sterilization	99.2	99.7	98.0	95.4	96.8	93.5
Male sterilization	80.9	82.8	76.4	86.0	88.2	82.9
Pill	95.4	96.7	92.2	87.8	89.6	85.2
IUD or PPIUD	90.4	93.7	81.0	39.0	46.1	29.9
Injectables	89.1	90.6	85.9	78.7	83.7	72.7
Condom/ <i>Nirodh</i>	92.5	93.8	90.0	97.9	98.3	97.3
Female condom	40.8	42.4	38.0	51.3	54.6	47.1
Emergency contraception	65.0	67.9	58.7	49.1	52.6	44.7
Diaphragm	22.8	24.1	18.0	16.6	18.5	13.6
Foam or jelly	21.4	22.3	17.7	18.7	18.6	18.3
Standard days method	66.9	71.3	53.7	45.2	52.0	36.6
Lactational amenorrhoea method (LAM)	71.9	76.6	58.4	43.5	51.5	33.5
Other modern method	4.0	4.8	1.9	10.0	13.3	5.6
Pill, IUD/PPIUD, and condom <sup>1</sup>	85.0	88.5	76.2	36.6	43.4	28.1
<b>Any traditional method</b>	75.4	80.1	62.2	75.1	80.9	68.1
Rhythm	67.6	71.5	56.2	40.3	46.2	32.7
Withdrawal	50.5	55.8	35.8	70.2	75.5	64.0
Other	1.1	1.3	0.5	0.1	0.1	0.0
Mean number of methods known by respondents age 15-49	9.6	10.0	8.6	8.3	8.9	7.6
Number of respondents age 15-49	12,361	8,680	2,956	1,718	950	754

*Continued...*

**Table 27 Knowledge of contraceptive methods—Continued**

Percentage of all women and men, currently married women and men, and never married women and men who know any contraceptive method by specific method and residence, Karnataka, 2019-20

Method	Women			Men		
	All women	Currently married women	Never married women	All men	Currently married men	Never married men
RURAL						
Any method	98.9	99.5	96.8	98.9	99.5	97.8
<b>Any modern method</b>	98.9	99.5	96.8	98.9	99.5	97.8
Female sterilization	98.0	98.9	94.7	94.4	96.4	91.5
Male sterilization	67.2	69.5	59.8	79.8	82.2	76.3
Pill	90.1	91.5	85.4	84.9	87.0	81.7
IUD or PPIUD	79.7	83.3	66.8	38.2	41.0	34.4
Injectables	82.3	84.0	77.1	74.2	76.3	70.8
Condom/ <i>Nirodh</i>	80.2	81.1	78.2	95.3	96.1	94.2
Female condom	34.4	34.7	35.5	46.8	46.9	46.6
Emergency contraception	47.5	49.4	43.1	53.7	56.1	50.1
Diaphragm	13.5	14.0	12.8	13.0	13.9	11.7
Foam or jelly	13.2	13.6	12.9	14.2	15.3	12.5
Standard days method	55.9	59.3	44.4	47.0	56.8	32.4
Lactational amenorrhoea method (LAM)	61.5	65.8	47.3	43.7	50.0	34.8
Other modern method	3.0	3.3	2.1	10.0	10.6	9.4
Pill, IUD/PPIUD, and condom <sup>1</sup>	69.2	72.1	59.7	35.9	38.7	32.0
<b>Any traditional method</b>	59.9	63.4	48.9	76.4	80.6	70.2
Rhythm	53.5	56.4	44.2	54.2	61.5	43.6
Withdrawal	35.3	37.9	27.7	65.6	68.4	61.5
Other	1.9	2.1	1.0	0.4	0.5	0.2
Mean number of methods known by respondents age 15-49	8.2	8.5	7.3	8.2	8.6	7.5
Number of respondents age 15-49	18,094	13,211	3,680	2,402	1,408	974

*Continued...*



**Table 27 Knowledge of contraceptive methods—Continued**

Percentage of all women and men, currently married women and men, and never married women and men who know any contraceptive method by specific method and residence, Karnataka, 2019-20

Method	Women			Men		
	All women	Currently married women	Never married women	All men	Currently married men	Never married men
TOTAL						
Any method	99.2	99.6	97.7	99.1	99.6	98.5
<b>Any modern method</b>	99.2	99.6	97.7	99.1	99.6	98.5
Female sterilization	98.5	99.2	96.2	94.8	96.6	92.4
Male sterilization	72.7	74.8	67.2	82.4	84.6	79.2
Pill	92.2	93.6	88.4	86.1	88.1	83.2
IUD or PPIUD	84.0	87.5	73.2	38.5	43.0	32.5
Injectables	85.0	86.6	81.0	76.1	79.3	71.6
Condom/ <i>Nirodh</i>	85.2	86.1	83.5	96.4	97.0	95.6
Female condom	37.0	37.8	36.6	48.7	50.0	46.8
Emergency contraception	54.6	56.7	50.0	51.8	54.7	47.7
Diaphragm	17.3	18.0	15.1	14.5	15.8	12.5
Foam or jelly	16.5	17.1	15.0	16.1	16.6	15.0
Standard days method	60.4	64.0	48.6	46.2	54.9	34.2
Lactational amenorrhoea method (LAM)	65.7	70.1	52.2	43.7	50.6	34.2
Other modern method	3.4	3.9	2.0	10.0	11.7	7.8
Pill, IUD/PPIUD, and condom <sup>1</sup>	75.6	78.6	67.0	36.2	40.6	30.3
<b>Any traditional method</b>	66.2	70.0	54.8	75.8	80.7	69.2
Rhythm	59.2	62.4	49.6	48.4	55.3	38.8
Withdrawal	41.5	45.0	31.3	67.6	71.2	62.6
Other	1.6	1.8	0.8	0.3	0.4	0.1
Mean number of methods known by respondents age 15-49	8.8	9.1	7.9	8.2	8.7	7.5
Number of respondents age 15-49	30,455	21,891	6,635	4,120	2,358	1,728

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device

<sup>1</sup> All three methods

Table 28 Current use of contraception by background characteristics

Percent distribution of currently married women by contraceptive method currently used, according to background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Modern method										Traditional method			Total	Number of women			
	Any method	Any modern method	Female sterilization	Male sterilization	Pill	IUD or PPIUD	Injectables	Condom/Nirodh	Female condom	Emergency contraception	LAM	Other modern method	Any traditional method			Rhythm	Withdrawal	Not currently using
<b>Age</b>																		
15-19	18.5	16.9	0.5	0.0	4.7	2.5	0.6	7.0	0.5	0.0	1.1	0.0	1.6	0.0	1.6	81.5	100.0	494
20-24	34.8	33.9	15.3	0.0	3.6	4.7	0.5	7.0	0.4	0.0	2.3	0.0	0.3	0.6	0.6	65.2	100.0	2,561
25-29	58.3	57.5	41.3	0.0	3.1	4.5	0.9	6.2	0.2	0.0	1.2	0.0	0.2	0.6	0.2	41.7	100.0	4,427
30-39	76.4	75.9	66.0	0.0	1.8	2.8	0.4	4.0	0.1	0.2	0.5	0.2	0.1	0.3	0.1	23.6	100.0	8,069
40-49	84.0	83.6	79.2	0.0	1.1	1.1	0.3	1.4	0.1	0.1	0.0	0.3	0.2	0.2	0.2	16.0	100.0	6,339
<b>Residence</b>																		
Urban	69.6	68.8	55.2	0.0	2.1	3.4	0.6	6.0	0.2	0.2	0.8	0.2	0.3	0.5	0.3	30.4	100.0	8,680
Rural	68.2	67.7	58.9	0.0	2.1	2.5	0.4	2.9	0.1	0.0	0.7	0.1	0.1	0.3	0.1	31.8	100.0	13,211
<b>Schooling</b>																		
No schooling	77.3	77.2	73.0	0.0	1.2	1.1	0.3	1.3	0.1	0.0	0.1	0.2	0.0	0.0	0.0	22.7	100.0	4,871
<5 years complete	78.4	78.3	73.0	0.2	1.8	0.9	0.3	1.0	0.1	0.0	0.9	0.0	0.0	0.1	0.0	21.6	100.0	1,343
5-9 years complete	73.2	72.9	64.4	0.0	2.0	2.2	0.3	3.0	0.1	0.1	0.6	0.1	0.1	0.2	0.1	26.8	100.0	5,670
10-11 years complete	65.7	64.9	53.2	0.0	2.4	3.1	0.7	4.3	0.2	0.0	0.8	0.1	0.3	0.6	0.3	34.3	100.0	4,708
12 or more years complete	56.4	55.2	35.4	0.0	2.9	5.5	0.8	8.6	0.3	0.2	1.3	0.1	0.4	0.9	0.4	43.6	100.0	5,299
<b>Religion</b>																		
Hindu	69.4	68.8	58.4	0.0	2.0	2.9	0.5	3.9	0.2	0.1	0.7	0.1	0.2	0.4	0.2	30.6	100.0	18,945
Muslim	63.0	62.4	49.2	0.0	3.2	2.8	0.6	5.6	0.3	0.0	0.7	0.1	0.1	0.5	0.1	37.0	100.0	2,491
Christian	73.0	72.7	60.1	0.0	0.5	4.1	1.8	4.0	0.2	0.0	1.9	0.1	0.2	0.2	0.2	27.0	100.0	306
Other	70.0	70.0	60.5	0.0	0.5	3.5	0.0	2.1	0.0	0.0	3.4	0.0	0.0	0.0	0.0	30.0	100.0	149
<b>Caste/tribe</b>																		
Scheduled caste	67.7	67.1	58.0	0.0	2.2	2.4	0.4	3.0	0.2	0.0	0.9	0.0	0.3	0.3	0.3	32.3	100.0	4,413
Scheduled tribe	65.0	64.8	55.6	0.1	1.4	2.6	0.2	4.2	0.1	0.0	0.5	0.0	0.0	0.2	0.0	35.0	100.0	2,334
Other backward class	70.5	69.8	58.8	0.0	2.1	3.1	0.6	4.0	0.2	0.1	0.7	0.2	0.2	0.5	0.2	29.5	100.0	12,554
Other	66.1	65.7	51.6	0.0	3.0	3.1	0.7	6.6	0.2	0.0	0.5	0.1	0.1	0.4	0.1	33.9	100.0	2,455
Don't know	49.4	49.4	43.9	0.0	1.6	2.1	0.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.6	100.0	135

Continued...

Table 28 Current use of contraception by background characteristics—Continued

Percent distribution of currently married women by contraceptive method currently used, according to background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Modern method										Traditional method			Number of women				
	Any method	Any modern method	Female sterilization	Male sterilization	Pill	IUD or PPIUD	Injectables	Condom/ <i>Nirodh</i>	Female condom	Emergency contraception	LAM	Other modern method	Any traditional method		Rhythm	Withdrawal	Not currently using	Total
<b>Number of living children</b>																		
No children	15.1	14.0	1.1	0.0	2.7	1.5	0.5	7.9	0.3	0.0	0.0	0.0	1.0	0.1	0.9	84.9	100.0	2,398
1 child	46.4	45.1	21.7	0.0	3.6	7.3	0.9	9.1	0.4	0.1	1.7	0.3	1.3	0.4	0.9	53.6	100.0	4,561
1 son	48.1	47.1	24.8	0.0	3.0	8.2	0.8	7.5	0.4	0.3	1.8	0.4	1.0	0.3	0.7	51.9	100.0	2,399
No sons	44.6	42.9	18.3	0.0	4.3	6.3	1.0	10.7	0.4	0.0	1.6	0.3	1.7	0.6	1.1	55.4	100.0	2,162
2 children	84.0	83.6	75.7	0.0	1.6	2.3	0.4	2.5	0.1	0.1	0.6	0.2	0.4	0.2	0.2	16.0	100.0	9,236
1 or more sons	85.6	85.2	78.4	0.0	1.4	2.0	0.3	2.2	0.1	0.2	0.5	0.2	0.3	0.2	0.2	14.4	100.0	7,825
No sons	75.1	74.6	60.8	0.0	2.6	4.2	1.2	4.4	0.1	0.0	1.3	0.0	0.5	0.3	0.2	24.9	100.0	1,411
3 children	85.0	84.9	80.5	0.0	1.4	0.8	0.3	1.4	0.1	0.0	0.4	0.0	0.2	0.0	0.1	15.0	100.0	4,130
1 or more sons	86.2	86.1	81.9	0.0	1.3	0.7	0.3	1.3	0.1	0.0	0.4	0.0	0.1	0.0	0.1	13.8	100.0	3,731
No sons	73.5	72.8	66.7	0.0	1.4	1.8	0.0	2.2	0.0	0.0	0.8	0.0	0.6	0.0	0.6	26.5	100.0	399
4 or more children	83.2	83.1	79.3	0.0	2.1	0.7	0.4	0.4	0.0	0.0	0.2	0.0	0.1	0.0	0.1	16.8	100.0	1,566
1 or more sons	84.5	84.5	80.6	0.0	2.2	0.6	0.4	0.4	0.0	0.0	0.2	0.0	0.1	0.0	0.1	15.5	100.0	1,451
No sons	66.2	65.4	61.8	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.6	0.0	0.8	0.0	0.8	33.8	100.0	115
Total	68.7	68.2	57.4	0.0	2.1	2.9	0.5	4.1	0.2	0.1	0.7	0.1	0.6	0.2	0.4	31.3	100.0	21,891
NFHS-4 (2015-16)	51.8	51.3	48.6	0.1	0.4	0.8	0.0	1.3	0.0	na	0.0	0.0	0.5	0.3	0.2	48.2	100.0	19,143

Note: If more than one method is used, only the most effective method is considered in this table.

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device; LAM = Lactational amenorrhoea method

na = Not available

**Table 29 Current use of contraceptive methods by district**

Percentage of currently married women age 15-49 years using any contraceptive method, any modern method, female sterilization, male sterilization, any modern spacing method, and any traditional method, according to district, Karnataka, 2019-20

District	Any method	Any modern method	Female sterilization	Male sterilization	Any modern spacing method <sup>1</sup>	Any traditional method <sup>2</sup>	Number of women
Bagalkot	65.3	65.3	59.2	0.0	6.1	0.0	645
Bangalore	73.2	73.0	55.2	0.0	17.8	0.2	3,234
Bangalore Rural	77.5	76.3	65.7	0.1	10.5	1.2	348
Belgaum	70.8	70.6	63.3	0.0	7.3	0.2	1,799
Bellary	62.7	62.3	56.6	0.0	5.7	0.4	833
Bidar	69.1	68.5	50.1	0.0	18.4	0.6	619
Bijapur	63.1	62.7	55.5	0.0	7.2	0.4	727
Chamarajanagar	79.8	79.4	70.0	0.0	9.5	0.4	413
Chikkaballapura	77.8	77.4	69.4	0.0	8.1	0.3	403
Chikmagalur	79.7	79.6	64.8	0.0	14.8	0.1	402
Chitradurga	72.8	72.5	62.0	0.0	10.4	0.3	528
Dakshina Kannada	61.9	60.2	46.2	0.0	13.9	1.8	707
Davanagere	47.1	46.9	41.6	0.0	5.3	0.2	703
Dharwad	67.1	65.7	58.7	0.0	7.0	1.3	703
Gadag	58.3	57.7	48.8	0.0	8.9	0.6	413
Gulbarga	53.0	53.0	40.3	0.0	12.7	0.0	904
Hassan	78.1	77.5	62.1	0.4	14.9	0.6	665
Haveri	44.6	44.6	42.6	0.0	2.1	0.0	609
Kodagu	73.0	72.3	53.7	0.0	18.6	0.7	179
Kolar	72.7	71.9	65.4	0.0	6.6	0.8	534
Koppal	63.4	63.2	58.4	0.0	4.8	0.1	457
Mandya	80.0	78.5	70.2	0.0	8.3	1.5	570
Mysore	79.5	77.3	68.2	0.0	9.1	2.2	1,333
Raichur	50.1	49.6	46.3	0.0	3.3	0.5	745
Ramanagara	78.0	77.5	70.0	0.0	7.5	0.6	334
Shimoga	76.4	76.4	68.3	0.0	8.1	0.0	629
Tumkur	77.0	75.8	60.9	0.0	14.9	1.3	1,019
Udupi	72.0	71.3	46.1	0.0	25.3	0.7	416
Uttara Kannada	69.3	69.3	56.7	0.0	12.6	0.0	567
Yadgir	64.0	63.7	57.6	0.1	6.0	0.2	454
Karnataka	68.7	68.2	57.4	0.0	10.7	0.6	21,891

<sup>1</sup> Includes pill, IUD/PPIUD, injectables, male condom, female condom, emergency contraception, lactational amenorrhoea method (LAM), and other modern methods

<sup>2</sup> Includes rhythm, withdrawal, and other traditional methods

Table 30 Contraceptive use by men at last sexual intercourse

Percent distribution of currently married men and sexually active unmarried men age 15-49 by contraceptive used the last time they had sex, according to type of partner and background characteristics, Karnataka, 2019-20

Background characteristic	Modern method						Traditional method				Number of men			
	Any method	Any modern method	Female sterilization	Male sterilization	Pill	IUD or PPIUD	Condom/ Nirodh	Other modern method	Any traditional method	Rhythm		Withdrawal	Other	Not used at last sex
<b>Type of sexual partner</b>														
Currently married	17.7	14.4	7.8	0.4	1.6	0.3	3.7	0.5	3.3	0.2	3.1	0.0	82.3	2,358
Wife	18.6	15.0	7.9	0.2	1.6	0.3	4.3	0.4	3.5	0.1	3.4	0.0	81.4	1,957
Other <sup>1</sup>	12.5	10.3	7.1	1.2	1.3	0.0	0.1	0.6	2.2	0.5	1.7	0.0	87.5	394
Not currently married	58.1	30.0	1.1	0.0	1.3	0.0	20.7	6.9	28.1	0.0	28.1	0.0	41.9	66
<b>Age</b>														
20-24	(44.0)	(9.5)	(0.0)	(3.8)	(0.0)	(0.0)	(5.7)	(0.0)	(34.5)	(0.0)	(34.5)	(0.0)	(56.0)	52
25-29	14.8	9.4	1.3	0.0	1.0	0.0	6.8	0.4	5.4	0.2	5.2	0.0	85.2	253
30-34	14.8	12.4	3.4	0.6	3.7	0.0	4.5	0.2	2.4	0.4	1.9	0.0	85.2	471
35-39	18.4	14.9	8.7	0.0	0.8	0.4	3.6	1.1	3.5	0.2	3.3	0.0	81.6	597
40-44	19.6	14.1	7.9	0.4	2.0	0.2	2.7	0.8	5.4	0.0	5.4	0.0	80.4	517
45-49	21.4	20.5	13.7	0.4	0.5	0.5	4.5	0.6	0.9	0.2	0.7	0.0	78.6	524
<b>Residence</b>														
Urban	23.2	16.2	7.9	0.1	2.0	0.0	5.1	0.9	7.0	0.1	6.9	0.0	76.8	996
Rural	15.7	13.8	7.4	0.5	1.2	0.4	3.6	0.5	1.8	0.2	1.6	0.0	84.3	1,427
<b>Schooling</b>														
No schooling	8.8	7.9	4.3	0.0	1.5	0.0	1.9	0.3	0.9	0.2	0.7	0.0	91.2	351
<5 years complete	17.1	14.1	10.1	1.7	0.8	0.0	1.3	0.3	3.0	0.0	3.0	0.0	82.9	197
5-9 years complete	17.9	12.6	8.5	0.2	0.7	0.3	2.5	0.2	5.2	0.4	4.9	0.0	82.1	676
10-11 years complete	23.7	18.1	9.6	0.6	1.9	0.7	5.0	0.3	5.6	0.3	5.3	0.0	76.3	520
12 or more years complete	21.5	18.1	6.1	0.1	2.5	0.1	7.3	1.6	3.3	0.0	3.3	0.0	78.5	679
<b>Marital status</b>														
Never married	(60.3)	(31.1)	(1.2)	(0.0)	(1.3)	(0.0)	(21.4)	(7.1)	(29.2)	(0.0)	(29.2)	(0.0)	(39.7)	63
Currently married	17.7	14.4	7.8	0.4	1.6	0.3	3.7	0.5	3.3	0.2	3.1	0.0	82.3	2,358

Continued...

Table 30 Contraceptive use by men at last sexual intercourse—Continued

Background characteristic	Modern method					Traditional method					Number of men			
	Any method	Any modern method	Female sterilization	Male sterilization	Pill	IUD or PPIUD	Condom/ Nirodh	Other modern method	Any traditional method	Rhythm		Withdrawal	Other	Not used at last sex
<b>Religion</b>														
Hindu	18.6	15.1	7.8	0.4	1.5	0.3	4.3	0.7	3.5	0.2	3.3	0.0	81.4	2,163
Muslim	16.4	9.5	2.7	0.3	2.3	0.0	3.5	0.2	6.9	0.2	6.6	0.0	83.6	222
<b>Caste/tribe</b>														
Scheduled caste	21.7	15.9	9.1	0.5	2.3	0.0	3.7	0.3	5.8	0.0	5.8	0.0	78.3	486
Scheduled tribe	13.0	11.4	6.4	1.0	2.5	0.3	0.5	0.5	1.6	0.0	1.6	0.0	87.0	207
Other backward class	18.4	14.3	6.8	0.3	1.0	0.4	4.9	0.6	4.1	0.3	3.8	0.0	81.6	1,377
Other	19.6	17.1	9.3	0.0	2.0	0.0	4.1	1.4	2.4	0.2	2.3	0.0	80.4	349
Total age 15-49	18.8	14.8	7.6	0.4	1.6	0.3	4.2	0.6	4.0	0.2	3.8	0.0	81.2	2,423
Age 50-54	15.6	14.8	11.7	0.3	0.8	0.1	1.8	0.1	0.8	0.2	0.4	0.1	84.4	387
Total age 15-54	18.3	14.8	8.2	0.3	1.4	0.2	3.8	0.6	3.5	0.2	3.3	0.0	81.7	2,810

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes currently married men whose sexual partner is a live-in partner/girlfriend, men age 15-19, men who are widowed/divorced/separated/deserted, men belonging to Christian or other religions, and men who don't know their caste/tribe, who are not shown separately.

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device

<sup>1</sup> Does not include live-in partner/girlfriend

**Table 31 Source of modern contraceptive methods**

Percent distribution of women age 15-49 who are current users of modern contraceptive methods by most recent source of the method, according to residence, Karnataka, 2019-20

Most recent source of method	Female sterilization	Pill	IUD or PPIUD	Injectables	Condom/ <i>Nirodh</i>	All modern methods <sup>1</sup>
URBAN						
<b>Public health sector</b>	76.3	49.8	67.2	(53.9)	31.3	70.6
Government/municipal hospital	38.0	20.8	26.9	(9.5)	11.6	34.3
<i>Vaidya/hakim/homeopath (AYUSH)</i>	0.0	0.0	0.0	(0.0)	0.0	0.0
Government dispensary	6.4	0.5	12.4	(13.2)	1.6	6.1
UHC/UHP/UFWC	9.7	3.6	5.8	(1.9)	2.6	8.6
CHC/rural hospital/Block PHC	9.5	2.5	11.7	(10.4)	2.1	8.7
PHC/Additional PHC	11.5	4.8	7.3	(17.1)	6.2	10.7
Sub-centre/ANM	0.1	0.3	0.9	(0.0)	1.7	0.3
Government mobile clinic	0.0	1.6	0.0	(0.0)	1.3	0.2
Camp	0.8	0.0	0.1	(0.0)	0.5	0.7
<i>Anganwadi/ICDS centre</i>	0.0	0.4	0.3	(0.0)	1.2	0.2
ASHA	0.0	13.8	1.3	(1.7)	2.3	0.7
Other community-based worker	0.0	0.0	0.0	(0.0)	0.0	0.0
Other public health sector	0.1	1.5	0.4	(0.0)	0.2	0.2
NGO or trust hospital/clinic	0.4	0.3	0.4	(0.0)	0.2	0.4
<b>Private health sector</b>	23.0	48.7	32.1	(46.1)	60.0	27.8
Private hospital	22.1	13.0	28.9	(40.7)	7.8	21.0
Private doctor/clinic	0.7	19.0	2.1	(3.7)	10.0	2.3
Private mobile clinic	0.0	0.0	0.1	(0.0)	0.5	0.1
<i>Vaidya/hakim/homeopath (AYUSH)</i>	0.0	0.4	0.0	(1.7)	0.2	0.0
Traditional healer	0.0	0.0	0.0	(0.0)	0.0	0.0
Pharmacy/drugstore	0.0	16.2	0.0	(0.0)	41.4	4.2
<i>Dai (TBA)</i>	0.0	0.0	0.0	(0.0)	0.0	0.0
Other private health sector	0.2	0.0	0.9	(0.0)	0.1	0.2
<b>Other source</b>	0.1	1.3	0.3	(0.0)	8.4	0.8
Shop	0.0	1.3	0.0	(0.0)	0.6	0.1
Husband	0.0	0.0	0.3	(0.0)	7.5	0.7
Friend/relative	0.0	0.0	0.0	(0.0)	0.2	0.0
Other	0.1	0.0	0.0	(0.0)	0.1	0.1
Don't know	0.0	0.0	0.0	(0.0)	0.0	0.0
Missing	0.3	0.0	0.0	(0.0)	0.1	0.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of users	5,254	189	298	57	552	6,404

Continued...

Table 31 Source of modern contraceptive methods—Continued

Percent distribution of women age 15-49 who are current users of modern contraceptive methods by most recent source of the method, according to residence, Karnataka, 2019-20

Most recent source of method	Female sterilization	Pill	IUD or PPIUD	Injectables	Condom/ <i>Nirodh</i>	All modern methods <sup>1</sup>
RURAL						
<b>Public health sector</b>	88.7	77.1	81.7	84.3	63.6	86.9
Government/municipal hospital	35.4	13.9	35.6	38.6	16.0	33.9
<i>Vaidya/hakim/homeopath</i> (AYUSH)	0.0	0.0	0.0	0.0	0.0	0.0
Government dispensary	7.2	3.0	4.5	1.2	1.3	6.6
UHC/UHP/UFWC	7.2	0.7	3.6	0.0	1.1	6.5
CHC/rural hospital/Block PHC	16.7	7.9	15.0	8.2	7.4	15.8
PHC/Additional PHC	19.8	16.3	18.8	30.5	12.1	19.4
Sub-centre/ANM	0.8	4.5	0.7	2.8	4.8	1.1
Government mobile clinic	0.1	0.9	0.0	0.0	0.7	0.1
Camp	1.6	0.0	0.0	0.0	1.4	1.4
<i>Anganwadi</i> /ICDS centre	0.0	6.6	0.6	1.5	3.5	0.4
ASHA	0.0	23.2	2.4	1.5	14.9	1.4
Other community-based worker	0.0	0.0	0.0	0.0	0.0	0.0
Other public health sector	0.1	0.0	0.4	0.0	0.2	0.1
NGO or trust hospital/clinic	0.1	0.0	0.3	0.0	0.0	0.1
<b>Private health sector</b>	10.8	19.7	17.3	15.7	29.5	12.1
Private hospital	10.3	4.9	14.2	13.7	2.1	10.0
Private doctor/clinic	0.3	6.2	2.7	1.2	3.0	0.7
Private mobile clinic	0.0	0.0	0.0	0.0	2.4	0.1
<i>Vaidya/hakim/homeopath</i> (AYUSH)	0.0	0.0	0.0	0.0	0.0	0.0
Traditional healer	0.0	0.0	0.0	0.0	0.0	0.0
Pharmacy/drugstore	0.0	8.4	0.5	0.8	21.6	1.2
<i>Dai</i> (TBA)	0.0	0.0	0.0	0.0	0.0	0.0
Other private health sector	0.1	0.2	0.0	0.0	0.4	0.1
<b>Other source</b>	0.1	2.8	0.3	0.0	6.7	0.4
Shop	0.0	2.1	0.0	0.0	4.1	0.2
Husband	0.0	0.3	0.0	0.0	2.1	0.1
Friend/relative	0.0	0.0	0.0	0.0	0.2	0.0
Other	0.1	0.4	0.3	0.0	0.2	0.1
Don't know	0.0	0.0	0.0	0.0	0.0	0.0
Missing	0.3	0.5	0.4	0.0	0.2	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number of users	8,483	299	343	56	398	9,617

Continued...



**Table 31 Source of modern contraceptive methods—Continued**

Percent distribution of women age 15-49 who are current users of modern contraceptive methods by most recent source of the method, according to residence, Karnataka, 2019-20

Most recent source of method	Female sterilization	Pill	IUD or PPIUD	Injectables	Condom/ <i>Nirodh</i>	All modern methods <sup>1</sup>
TOTAL						
<b>Public health sector</b>	84.0	66.5	75.0	69.0	44.8	80.4
Government/municipal hospital	36.4	16.6	31.6	23.9	13.5	34.1
<i>Vaidya/hakim/homeopath (AYUSH)</i>	0.0	0.0	0.0	0.0	0.0	0.0
Government dispensary	6.9	2.0	8.2	7.3	1.5	6.4
UHC/UHP/UFWC	8.1	1.9	4.6	0.9	2.0	7.3
CHC/rural hospital/Block PHC	13.9	5.8	13.5	9.3	4.3	13.0
PHC/Additional PHC	16.7	11.8	13.5	23.8	8.7	15.9
Sub-centre/ANM	0.5	2.9	0.8	1.4	3.0	0.8
Government mobile clinic	0.1	1.2	0.0	0.0	1.0	0.1
Camp	1.3	0.0	0.0	0.0	0.9	1.1
<i>Anganwadi/ICDS centre</i>	0.0	4.2	0.5	0.7	2.2	0.3
ASHA	0.0	19.6	1.9	1.6	7.6	1.1
Other community-based worker	0.0	0.0	0.0	0.0	0.0	0.0
Other public health sector	0.1	0.6	0.4	0.0	0.2	0.2
NGO or trust hospital/clinic	0.2	0.1	0.4	0.0	0.1	0.2
<b>Private health sector</b>	15.4	30.9	24.2	31.0	47.2	18.3
Private hospital	14.8	8.1	21.0	27.3	5.4	14.4
Private doctor/clinic	0.5	11.2	2.4	2.4	7.0	1.4
Private mobile clinic	0.0	0.0	0.1	0.0	1.3	0.1
<i>Vaidya/hakim/homeopath (AYUSH)</i>	0.0	0.2	0.0	0.9	0.1	0.0
Traditional healer	0.0	0.0	0.0	0.0	0.0	0.0
Pharmacy/drugstore	0.0	11.4	0.2	0.4	33.1	2.4
<i>Dai (TBA)</i>	0.0	0.0	0.0	0.0	0.0	0.0
Other private health sector	0.1	0.1	0.4	0.0	0.3	0.2
<b>Other source</b>	0.1	2.2	0.3	0.0	7.7	0.6
Shop	0.0	1.8	0.0	0.0	2.1	0.2
Husband	0.0	0.2	0.1	0.0	5.3	0.3
Friend/relative	0.0	0.0	0.0	0.0	0.2	0.0
Other	0.1	0.3	0.1	0.0	0.1	0.1
Don't know	0.0	0.0	0.0	0.0	0.0	0.0
Missing	0.3	0.3	0.2	0.0	0.2	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number of users	13,737	488	642	113	950	16,021

Note: All information in this table is based on women's reports. Table includes all users of modern contraceptive methods regardless of their marital status. Figures in parentheses are based on 25-49 unweighted cases. All modern methods include male sterilization and emergency contraception, which are not shown separately.

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device; AYUSH = Ayurveda, yoga and naturopathy, unani, siddha and homeopathy; UHC = Urban health centre; UHP = Urban health post; UFWC = Urban family welfare centre; CHC = Community health centre; PHC = Primary health centre; ANM = Auxiliary nurse midwife; ICDS = Integrated Child Development Services; ASHA = Accredited Social Health Activist; NGO = Nongovernmental organization; TBA = Traditional birth attendant

<sup>1</sup> Excludes standard days method, lactational amenorrhoea method (LAM), and "other" modern methods

**Table 32 Informed choice**

Among women who are current users of selected modern contraceptive methods who started the last episode of use within the 5 years preceding the survey, percentage who were informed about possible side effects or problems of that method, percentage who were informed about what to do if they experienced side effects, percentage who were ever told by a health or family planning worker about other methods of family planning they could use, and percentage who were informed of all three (Method Information Index) by method, according to residence, Karnataka, 2019-20

Method	Percentage who were informed about side effects or problems of method used	Percentage who were informed about what to do if experienced side effects	Percentage who were informed by a health or family planning worker of other methods that could be used	Percentage who were informed about all three (Method Information Index)	Number of women
URBAN					
Female sterilization <sup>1</sup>	75.9	70.6	79.4	68.4	1,044
Pill	92.8	84.3	91.8	81.0	105
IUD or PPIUD	93.4	85.0	93.1	84.7	222
Total	80.0	74.0	82.5	72.0	1,371
RURAL					
Female sterilization <sup>1</sup>	64.7	58.1	71.2	55.3	1,746
Pill	82.7	75.0	90.8	75.0	204
IUD or PPIUD	83.8	78.3	88.4	78.0	246
Total	68.5	61.9	75.0	59.7	2,196
TOTAL					
Female sterilization <sup>1</sup>	68.9	62.7	74.3	60.2	2,789
Pill	86.1	78.2	91.2	77.0	309
IUD or PPIUD	88.4	81.5	90.7	81.2	468
Total	72.9	66.5	77.9	64.4	3,566

Note: Table includes only the contraceptive methods separately shown in the table and excludes users who obtained their method from friends/relatives or husband.

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device

<sup>1</sup> Among women who were sterilized in the 5 years preceding the survey

**Table 33 Twelve-month contraceptive discontinuation rates**

Among women age 15-49 who started an episode of contraceptive use within the 5 years preceding the survey, percentage of episodes discontinued within 12 months, by reason for discontinuation and specific method, Karnataka, 2019-20

Method	Reason for discontinuation								Switched to another method <sup>4</sup>	Number of episodes of use <sup>5</sup>
	Method failure	Desire to become pregnant	Other fertility related reason <sup>1</sup>	Side effects/ health concerns	Wanted more effective method	Other method related reason <sup>2</sup>	Other reason	Any reason <sup>3</sup>		
Pill	2.4	31.1	2.8	8.1	6.8	6.4	16.2	73.8	8.6	1,067
IUD or PPIUD	2.8	19.9	1.3	9.4	2.4	4.6	12.2	52.6	2.5	1,027
Injectables	(0.9)	(15.8)	(1.5)	(10.1)	(12.3)	(11.7)	(20.9)	(73.1)	(4.1)	224
Condom/ <i>Nirodh</i>	1.8	22.4	9.4	9.0	2.9	8.9	10.9	65.3	4.1	1,733
Withdrawal	(0.3)	(25.9)	(10.1)	(5.4)	(1.3)	(6.5)	(19.0)	(68.6)	(7.1)	193
Other <sup>6</sup>	0.9	16.5	8.7	5.2	23.9	13.4	6.6	75.3	24.7	508
All modern spacing methods <sup>7</sup>	2.0	23.0	5.6	8.5	6.4	7.9	12.4	65.9	7.0	4,560
All spacing methods <sup>8</sup>	1.9	22.8	5.9	8.7	6.2	7.8	12.9	66.2	7.1	4,842
All methods	1.2	14.1	3.6	5.4	3.8	4.8	8.0	40.9	4.4	7,781

Note: Figures are based on life table calculations using information on episodes of contraceptive use that occurred 3-62 months preceding the survey. Figures in parentheses are based on 25-49 unweighted cases. All spacing methods include rhythm method and all methods include female and male sterilization, and rhythm method, which are not shown separately.

IUD = Intrauterine device; PPIUD = Postpartum intrauterine device

<sup>1</sup> Includes infrequent sex/husband away, difficult to get pregnant/menopausal, and marital dissolution/separation

<sup>2</sup> Includes lack of access/too far, costs too much, and inconvenient to use

<sup>3</sup> Reasons for discontinuation are mutually exclusive and add to the total given in this column

<sup>4</sup> The episodes of use included in this column are a subset of the discontinued episodes included in the discontinuation rate. A woman is considered to have switched to another method if she used a different method in the month following discontinuation or if she gave "wanted a more effective method" as the reason for discontinuation and started another method within 2 months of discontinuation.

<sup>5</sup> All episodes of use that occurred within the 5 years preceding the survey are included. Number of episodes of use includes both episodes of use that were discontinued during the period of observation and episodes of use that were not discontinued during the period of observation

<sup>6</sup> Includes female condom, diaphragm, foam/jelly, standard days method, lactational amenorrhoea method (LAM), and other modern and traditional methods that are not shown separately

<sup>7</sup> Includes pill, IUD/PPIUD, injectables, male condom, female condom, lactational amenorrhoea method (LAM), diaphragm, foam/jelly, and other modern spacing methods that are not shown separately

<sup>8</sup> Includes pill, IUD/PPIUD, injectables, male condom, female condom, lactational amenorrhoea method (LAM), diaphragm, foam/jelly, rhythm, withdrawal, and other modern spacing and traditional methods that are not shown separately

**Table 34 Men's contraception-related perceptions and knowledge**

Percentage of men age 15-49 who agree with two specific statements about women and contraception, and percent distribution of men according to their belief about the efficacy of condoms in preventing pregnancy, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of men who agree		Percentage of men who say that if a male condom is used correctly, it protects against pregnancy:				Total	Number of men
	Contraception is women's business and a man should not have to worry about it	Women who use contraception may become promiscuous	Most of the time	Sometimes	Not at all	Don't know/unsure <sup>1</sup>		
<b>Age</b>								
15-19	37.7	26.5	46.1	28.1	11.0	14.7	100.0	625
20-24	42.0	28.8	47.6	33.1	10.8	8.4	100.0	582
25-29	47.7	27.6	52.3	31.5	7.9	8.4	100.0	581
30-34	45.3	33.5	53.2	36.8	4.8	5.1	100.0	608
35-39	44.1	31.2	54.6	34.4	5.8	5.2	100.0	648
40-44	49.8	32.6	49.5	35.4	6.2	8.8	100.0	531
45-49	51.1	35.6	50.8	36.5	6.9	5.8	100.0	545
<b>Residence</b>								
Urban	43.4	29.8	50.8	34.5	9.7	5.1	100.0	1,718
Rural	46.4	31.4	50.6	33.0	6.2	10.2	100.0	2,402
<b>Schooling</b>								
No schooling	43.5	33.3	35.9	37.9	15.6	10.5	100.0	443
<5 years complete	42.1	33.0	46.5	30.5	11.9	11.1	100.0	234
5-9 years complete	42.4	29.4	50.7	29.1	8.2	12.1	100.0	1,113
10-11 years complete	46.1	29.4	49.8	36.9	5.7	7.7	100.0	943
12 or more years complete	47.8	31.4	56.6	34.2	5.3	3.8	100.0	1,386
<b>Religion</b>								
Hindu	45.5	30.1	50.9	33.5	8.0	7.6	100.0	3,624
Muslim	43.6	35.3	48.9	34.0	4.2	12.9	100.0	422
Christian	(58.8)	(53.1)	(34.7)	(45.6)	(19.7)	(0.0)	100.0	46
<b>Caste/tribe</b>								
Scheduled caste	43.3	30.3	49.9	34.7	8.1	7.3	100.0	796
Scheduled tribe	39.1	25.7	41.7	27.6	20.5	10.2	100.0	370
Other backward class	47.6	30.1	50.9	35.2	5.9	8.0	100.0	2,351
Other	41.6	36.4	56.2	29.4	6.2	8.1	100.0	595
Total age 15-49	45.2	30.7	50.7	33.6	7.7	8.1	100.0	4,120
Age 50-54	46.7	30.6	52.8	30.7	7.1	9.5	100.0	396
Total age 15-54	45.3	30.7	50.8	33.4	7.6	8.2	100.0	4,516

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes men belonging to other religions and men who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Includes missing values and those who never heard of male condoms

**Table 35 Need and demand for family planning among currently married women**

Percentage of currently married women age 15-49 with unmet need for family planning, percentage with met need for family planning, the total demand for family planning, and the percentage of the demand for contraception that is satisfied, by background characteristics, Karnataka, 2019-20

Background characteristic	Unmet need for family planning				Met need for family planning (currently using)				Total demand for family planning <sup>1</sup>			Percentage of demand satisfied by modern methods <sup>3</sup>		
	For spacing		For limiting		For spacing		For limiting		Total	For spacing	For limiting		Total	Percentage of demand satisfied <sup>2</sup>
	For spacing	For limiting	Total	For spacing	For limiting	Total	For spacing	For limiting						
<b>Age</b>														
15-19	15.8	2.3	18.1	16.0	2.5	18.5	31.7	4.8	36.6	494	50.6	46.2		
20-24	11.4	3.0	14.4	16.0	18.8	34.8	27.4	21.8	49.2	2,561	70.7	68.9		
25-29	6.2	3.5	9.7	12.0	46.3	58.3	18.2	49.8	68.0	4,427	85.7	84.5		
30-34	2.8	3.3	6.0	7.1	66.2	73.3	9.9	69.5	79.3	4,004	92.4	91.4		
35-39	1.4	2.8	4.2	2.8	76.6	79.4	4.2	79.4	83.6	4,066	95.0	94.8		
40-44	0.2	1.8	1.9	0.9	83.0	83.9	1.1	84.8	85.9	2,994	97.7	97.1		
45-49	0.1	1.5	1.6	0.2	83.7	84.0	0.4	85.2	85.6	3,345	98.1	97.9		
<b>Residence</b>														
Urban	4.2	3.0	7.3	8.8	60.8	69.6	13.0	63.9	76.9	8,680	90.5	89.5		
Rural	3.4	2.5	5.9	5.2	62.9	68.2	8.6	65.4	74.0	13,211	92.0	91.5		
<b>Schooling</b>														
No schooling	1.2	1.5	2.7	1.7	75.6	77.3	2.9	77.1	80.0	4,871	96.6	96.5		
<5 years complete	1.5	1.6	3.1	1.9	76.5	78.4	3.4	78.0	81.4	1,343	96.2	96.1		
5-9 years complete	2.4	2.5	4.9	4.5	68.7	73.2	6.9	71.2	78.1	5,670	93.7	93.4		
10-11 years complete	4.5	3.8	8.3	7.7	58.0	65.7	12.3	61.8	74.1	4,708	88.7	87.6		
12 or more years complete	7.4	3.3	10.7	13.8	42.6	56.4	21.2	45.9	67.1	5,299	84.1	82.2		
<b>Religion</b>														
Hindu	3.6	2.4	6.0	6.4	63.0	69.4	10.0	65.4	75.4	18,945	92.0	91.3		
Muslim	5.4	4.4	9.8	8.1	54.9	63.0	13.4	59.3	72.7	2,491	86.5	85.7		
Christian	3.2	5.6	8.8	6.3	66.7	73.0	9.5	72.3	81.8	306	89.2	88.8		
Other	0.0	2.6	2.6	7.1	62.9	70.0	7.1	65.4	72.6	149	96.5	96.5		

Continued...

Table 35 Need and demand for family planning among currently married women—Continued

Percentage of currently married women age 15-49 with unmet need for family planning, percentage with met need for family planning, the total demand for family planning, and the percentage of the demand for contraception that is satisfied, by background characteristics, Karnataka, 2019-20

Background characteristic	Unmet need for family planning		Met need for family planning (currently using)		Total demand for family planning <sup>1</sup>		Number of women	Percentage of demand satisfied <sup>2</sup>	Percentage of demand satisfied by modern methods <sup>3</sup>			
	For spacing	For limiting	For spacing	For limiting	For spacing	For limiting						
<b>Caste/tribe</b>												
Scheduled caste	3.7	2.5	6.2	6.2	61.6	67.7	9.9	64.1	74.0	4,413	91.6	90.7
Scheduled tribe	5.1	2.4	7.4	6.4	58.6	65.0	11.5	61.0	72.5	2,334	89.7	89.4
Other backward class	3.5	2.5	5.9	6.6	63.9	70.5	10.1	66.3	76.4	12,554	92.2	91.4
Other	4.2	4.2	8.4	7.9	58.2	66.1	12.1	62.4	74.5	2,455	88.7	88.2
Don't know	1.4	7.4	8.8	1.8	47.6	49.4	3.2	55.0	58.3	135	84.8	84.8
<b>Total</b>	<b>3.8</b>	<b>2.7</b>	<b>6.4</b>	<b>6.6</b>	<b>62.1</b>	<b>68.7</b>	<b>10.4</b>	<b>64.8</b>	<b>75.2</b>	<b>21,891</b>	<b>91.4</b>	<b>90.7</b>

Note: Numbers in this table correspond to the revised definition of unmet need described in Bradley et al., 2012, Revising Unmet Need for Family Planning, DHS Analytical Studies No. 25, ICF International, Calverton, Maryland, USA.

<sup>1</sup> Total demand is the sum of unmet need and met need

<sup>2</sup> Percentage of demand satisfied is met need divided by total demand

<sup>3</sup> Modern methods include female sterilization, male sterilization, pill, IUD/PPIUD, injectables, male condom, female condom, standard days method, diaphragm, foam/jelly, lactational amenorrhoea method (LAM), other modern methods

**Table 36 Unmet need for family planning by district**

Percentage of currently married women age 15-49 with unmet need for family planning by district, Karnataka, 2019-20, and total for NFHS-4

District	Total unmet need	Unmet need for spacing	Unmet need for limiting	Number of women
Bagalkot	5.8	4.0	1.8	645
Bangalore	4.7	3.0	1.7	3,234
Bangalore Rural	5.9	4.0	1.9	348
Belgaum	5.5	2.1	3.5	1,799
Bellary	5.6	2.9	2.7	833
Bidar	8.1	3.6	4.5	619
Bijapur	7.0	4.0	2.9	727
Chamarajanagar	3.4	2.6	0.8	413
Chikkaballapura	3.8	2.6	1.2	403
Chikmagalur	3.8	2.8	1.0	402
Chitradurga	5.0	3.5	1.5	528
Dakshina Kannada	9.5	6.6	2.9	707
Davanagere	11.5	4.8	6.6	703
Dharwad	6.3	3.7	2.6	703
Gadag	7.0	3.8	3.2	413
Gulbarga	12.6	5.3	7.3	904
Hassan	5.2	1.8	3.5	665
Haveri	8.4	3.5	4.9	609
Kodagu	5.5	2.2	3.3	179
Kolar	5.1	3.5	1.6	534
Koppal	9.7	6.0	3.7	457
Mandya	3.7	1.9	1.8	570
Mysore	5.6	4.4	1.1	1,333
Raichur	10.0	6.8	3.2	745
Ramanagara	5.1	3.1	2.0	334
Shimoga	5.3	3.9	1.4	629
Tumkur	5.3	4.4	1.0	1,019
Udupi	7.1	4.7	2.4	416
Uttara Kannada	7.4	3.7	3.7	567
Yadgir	7.5	5.9	1.6	454
Karnataka	6.4	3.8	2.7	21,891
NFHS-4 (2015-16)	10.4	6.0	4.4	19,143

Note: Numbers in this table correspond to the revised definition of unmet need described in Bradley et al., 2012, Revising Unmet Need for Family Planning, DHS Analytical Studies No. 25, ICF International Calverton, Maryland, USA.

Table 37 Hysterectomy

Percentage of women age 15-49 who have had a hysterectomy, and among women with a hysterectomy, median age at the time of hysterectomy and percent distribution by place the hysterectomy was performed, according to background characteristics, Karnataka, 2019-20

Background characteristic	Place of hysterectomy								
	Percentage of women who have had a hysterectomy	Number of women	Median age at time of hysterectomy	Number of women who reported age at hysterectomy	Percentage performed in the public health sector	Percentage performed in the private health sector <sup>1</sup>	Percentage performed elsewhere or don't know where it was performed	Number of women with a hysterectomy	
<b>Age</b>									
15-29	0.4	13,857	25.6	49	71.9	26.6	1.4	100.0	49
30-39	3.4	9,001	28.9	303	41.7	57.5	0.8	100.0	303
40-49	8.9	7,596	37.0	673	43.3	56.5	0.2	100.0	673
<b>Residence</b>									
Urban	2.3	12,361	35.7	289	42.4	57.6	0.0	100.0	289
Rural	4.1	18,094	32.6	736	44.8	54.6	0.6	100.0	736
<b>Schooling</b>									
No schooling	7.7	5,926	33.6	454	48.1	51.4	0.5	100.0	454
<5 years complete	7.5	1,593	32.0	119	48.5	50.4	1.1	100.0	119
5-9 years complete	3.3	7,642	32.2	249	42.0	57.7	0.3	100.0	249
10-11 years complete	1.9	6,927	34.2	129	41.0	59.0	0.0	100.0	129
12 or more years complete	0.9	8,367	35.8	74	26.0	74.0	0.0	100.0	74
<b>Religion</b>									
Hindu	3.5	26,192	33.3	926	44.6	54.9	0.5	100.0	926
Muslim	2.3	3,575	34.3	83	45.0	55.0	0.0	100.0	83
Christian	1.4	480	*	7	*	*	*	100.0	7
Other	4.7	208	*	10	*	*	*	100.0	10
<b>Caste/tribe</b>									
Scheduled caste	3.5	6,434	33.1	224	45.3	54.4	0.3	100.0	224
Scheduled tribe	2.9	3,184	32.8	94	57.6	42.4	0.0	100.0	94
Other backward class	3.5	17,155	33.8	597	41.9	57.4	0.6	100.0	597
Other	2.9	3,484	33.5	100	44.4	55.6	0.0	100.0	100
Don't know	5.1	197	*	10	*	*	*	100.0	10
<b>Total</b>	3.4	30,455	33.5	1,025	44.2	55.4	0.4	100.0	1,025

Note: An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Includes nongovernmental organization or trust hospital/clinic



**Table 38 Pregnancy outcome**

Percent distribution of last pregnancies among women age 15-49 during the 5 years preceding the survey by pregnancy outcome, according to background characteristics, Karnataka, 2019-20

Background characteristic	Pregnancy outcome				Total	Number of pregnancies
	Live birth	Abortion	Miscarriage	Stillbirth		
<b>Mother's current age</b>						
15-19	84.3	3.0	11.0	1.7	100.0	180
20-29	93.8	1.9	4.1	0.2	100.0	4,552
30-39	91.7	2.8	5.0	0.6	100.0	1,699
40-49	86.5	4.2	7.9	1.4	100.0	96
<b>Residence</b>						
Urban	92.9	2.2	4.6	0.2	100.0	2,506
Rural	92.9	2.1	4.5	0.5	100.0	4,022
<b>Mother's schooling</b>						
No schooling	95.0	1.1	3.4	0.6	100.0	674
<5 years complete	92.3	1.8	5.1	0.7	100.0	237
5-9 years complete	93.2	2.1	4.3	0.3	100.0	1,576
10-11 years complete	92.4	2.6	4.5	0.5	100.0	1,660
12 or more years complete	92.6	2.3	4.9	0.2	100.0	2,381
<b>Religion</b>						
Hindu	92.5	2.4	4.8	0.4	100.0	5,476
Muslim	94.7	1.0	3.8	0.5	100.0	922
Christian	96.2	2.5	1.3	0.0	100.0	78
Other	(98.8)	(0.0)	(0.0)	(1.2)	100.0	51
<b>Caste/tribe</b>						
Scheduled caste	92.3	2.5	4.8	0.4	100.0	1,350
Scheduled tribe	93.3	1.5	4.6	0.6	100.0	770
Other backward class	92.6	2.4	4.7	0.3	100.0	3,553
Other	94.8	1.3	3.5	0.3	100.0	804
Don't know	(98.0)	(0.6)	(1.4)	(0.0)	100.0	52
<b>Total</b>	<b>92.9</b>	<b>2.2</b>	<b>4.5</b>	<b>0.4</b>	<b>100.0</b>	<b>6,528</b>

Note: Figures in parentheses are based on 25-49 unweighted cases.

**Table 39 Characteristics of abortions**

Among women age 15-49 whose last pregnancy in the last 5 years ended in an abortion, percent distribution by main reason for abortion, method of abortion, place of abortion and person who performed the abortion, and percentage who had complications from the abortion, according to residence, Karnataka, 2019-20

Characteristic of abortion	Urban	Rural	Total
<b>Main reason for abortion</b>			
Unplanned pregnancy	(14.8)	17.6	16.5
Contraceptive failure	(10.9)	0.8	4.8
Complications in pregnancy	(4.2)	27.5	18.2
Health did not permit	(24.4)	16.9	19.9
Female foetus	(2.7)	3.1	3.0
Male foetus	(3.6)	2.8	3.1
Economic reasons	(5.1)	1.9	3.2
Last child too young	(23.1)	5.5	12.5
Foetus had congenital abnormality	(3.5)	8.6	6.6
Husband/mother-in-law did not want	(3.4)	2.1	2.6
Other	(4.4)	12.4	9.2
Total	100.0	99.3	99.6
<b>Method of abortion</b>			
Medicines	(81.6)	68.9	74.0
MVA	(3.2)	4.2	3.8
Other surgical	(15.1)	15.4	15.3
Other	(0.0)	6.4	3.9
Don't know	(0.0)	4.5	2.7
Total	100.0	99.3	99.6
<b>Place of abortion</b>			
Public health sector	(11.6)	35.7	26.1
Private health sector <sup>1</sup>	(75.3)	50.1	60.2
At home	(13.1)	13.5	13.4
Other	(0.0)	0.7	0.4
Total	100.0	100.0	100.0
<b>Person who performed the abortion</b>			
Doctor	(78.0)	76.2	76.9
Nurse/ANM/LHV	(16.4)	7.9	11.3
<i>Dai</i> (TBA)	(0.0)	0.0	0.0
Family member/relative/friend	(0.0)	0.0	0.0
Self	(5.6)	12.8	9.9
Other	(0.0)	3.1	1.9
Total	100.0	100.0	100.0
<b>Complications from the abortion</b>			
Percentage of women who had complications from the abortion	(15.8)	15.6	15.7
Number of women with abortions	56	85	141

Note: Figures in parentheses are based on 25-49 unweighted cases.

MVA = Manual vacuum aspiration; ANM = Auxiliary nurse midwife; LHV = Lady health visitor; TBA = Traditional birth attendant

<sup>1</sup> Includes nongovernmental organization or trust hospital/clinic

**Table 40 Age at first marriage**

Percentage of women age 15-49 and men age 15-54 who were first married by specific exact ages, percentage never married, and median age at first marriage, first cohabitation with spouse, and first sexual intercourse, according to current age, Karnataka, 2019-20

Current age	Percentage first married by exact age:					Percentage never married	Number of respondents	Median age at first marriage	Median age at first cohabitation	Median age at first sex
	15	18	20	21	25					
<b>WOMEN</b>										
15-19	1.3	na	na	na	na	88.6	4,374	a	a	a
20-24	3.9	21.2	41.9	na	na	40.3	4,365	a	a	a
25-29	7.8	28.8	48.6	57.3	80.8	10.9	5,118	20.2	20.2	20.1
30-34	12.9	33.6	51.8	60.8	83.6	4.0	4,421	19.8	19.8	19.6
35-39	15.1	41.7	60.3	67.0	84.7	2.4	4,581	18.8	18.8	18.8
40-44	17.2	43.1	62.1	69.2	86.6	2.8	3,510	18.7	18.7	18.7
45-49	16.2	41.5	62.3	69.9	87.4	1.4	4,086	18.8	18.8	18.6
20-49	11.9	34.5	54.1	na	na	10.6	26,081	19.6	19.6	19.4
25-49	13.5	37.2	56.5	64.4	84.4	4.6	21,716	19.3	19.3	19.1
<b>MEN</b>										
15-19	0.0	na	na	na	na	100.0	625	a	a	a
20-24	0.0	0.0	0.8	na	na	94.9	582	a	a	a
25-29	1.1	2.5	3.9	6.1	24.5	59.2	581	a	a	a
30-34	1.0	3.4	5.9	8.1	27.3	23.6	608	28.1	28.0	27.9
35-39	0.6	3.5	7.1	10.3	33.5	5.9	648	27.5	27.4	27.5
40-44	0.4	3.0	8.0	13.6	39.5	2.2	531	26.4	26.3	26.0
45-49	0.7	2.2	10.5	13.2	42.5	2.4	545	25.7	25.7	25.2
50-54	1.8	4.3	11.5	14.5	40.5	1.5	396	26.0	26.2	26.0
20-49	0.6	2.5	6.0	na	na	31.6	3,495	a	a	a
25-49	0.8	3.0	7.0	10.2	33.2	18.9	2,913	a	a	a

na = Not applicable due to censoring

a = Omitted because less than 50 percent of the women or men were married, began living with their spouse, or had sexual intercourse for the first time before reaching the beginning of the age group.

**Table 41 Early childhood mortality rates**

Neonatal, postneonatal, infant, child, and under-five mortality rates for five-year periods preceding the survey and for 0-4 years before NFHS-4 and NFHS-3, by residence, Karnataka, 2019-20

Years preceding the survey	Neonatal mortality (NN)	Postneonatal mortality <sup>1</sup> (PNN)	Infant mortality ( <sub>1</sub> Q <sub>0</sub> )	Child mortality ( <sub>4</sub> Q <sub>1</sub> )	Under-five mortality ( <sub>5</sub> Q <sub>0</sub> )
URBAN					
0-4	15.1	6.3	21.4	3.2	24.5
5-9	12.6	5.2	17.8	3.5	21.3
10-14	11.3	5.7	17.0	2.5	19.5
NFHS-4 (0-4)	14.0	5.5	19.5	4.4	23.8
NFHS-3 (0-4)	27.5	9.1	36.6	6.5	42.9
RURAL					
0-4	16.2	11.5	27.8	4.9	32.5
5-9	19.0	7.8	26.8	3.9	30.6
10-14	25.8	9.2	34.9	4.4	39.2
NFHS-4 (0-4)	22.8	10.7	33.4	4.8	38.0
NFHS-3 (0-4)	29.7	17.3	47.0	15.3	61.6
TOTAL					
0-4	15.8	9.6	25.4	4.2	29.5
5-9	16.5	6.8	23.2	3.8	26.9
10-14	20.1	7.8	28.0	3.7	31.5
NFHS-4 (0-4)	19.2	8.5	27.7	4.6	32.2
NFHS-3 (0-4)	28.9	14.3	43.2	12.1	54.7

Note: All estimates are for the 5 years preceding the survey (approximately 2001-2005 for NFHS-3, 2011-2015 for NFHS-4 and 2015-2019 for NFHS-5).

<sup>1</sup> Computed as the difference between the infant and neonatal mortality rates

**Table 42 Early childhood mortality rates by background characteristics**

Neonatal, postneonatal, infant, child, and under-five mortality rates for the five-year period preceding the survey, by background characteristics, Karnataka, 2019-20

Background characteristic	Neonatal mortality (NN)	Postneonatal mortality <sup>1</sup> (PNN)	Infant mortality ( <sub>1</sub> Q <sub>0</sub> )	Child mortality ( <sub>4</sub> Q <sub>1</sub> )	Under-five mortality ( <sub>5</sub> Q <sub>0</sub> )
<b>Schooling</b>					
No schooling	22.0	14.1	36.1	6.0	41.9
<10 years complete	20.0	11.9	31.9	5.0	36.7
10 or more years complete	12.5	7.5	20.1	3.2	23.2
<b>Religion</b>					
Hindu	17.6	9.3	26.9	4.8	31.6
Muslim	7.0	11.4	18.3	1.4	19.7
<b>Caste/tribe</b>					
Scheduled caste	21.2	8.6	29.7	4.3	33.9
Scheduled tribe	14.1	14.5	28.7	7.2	35.6
Other backward class	17.0	8.9	25.9	3.9	29.7
Other	3.4	9.2	12.6	3.0	15.6
<b>Child's sex</b>					
Male	19.4	10.4	29.8	4.2	33.9
Female	12.1	8.8	20.8	4.3	25.0
<b>Mother's age at birth</b>					
<20	25.7	8.0	33.7	10.1	43.5
20-29	14.1	9.9	24.0	3.3	27.2
30-39	16.9	9.7	26.6	3.2	29.7
<b>Birth order</b>					
1	19.5	8.6	28.1	3.6	31.6
2-3	11.9	9.1	21.0	4.8	25.7
4 or more	(22.8)	(22.3)	(45.2)	(3.2)	(48.2)
<b>Previous birth interval<sup>2</sup></b>					
<2 years	14.4	13.3	27.6	6.5	34.0
2-3 years	13.4	10.1	23.5	4.4	27.8
4 years or more	10.4	7.2	17.6	2.2	19.8
Total	15.8	9.6	25.4	4.2	29.5

Note: Figures in parentheses are based on 250-499 unweighted person-years of exposure to the risk of death. Total includes children belonging to Christian or other religions, children whose caste/tribe is not known, and children with mother's age at birth 40-49, who are not shown separately.

<sup>1</sup> Computed as the difference between the infant and neonatal mortality rates

<sup>2</sup> Excludes first-order births

**Table 43 High-risk fertility behaviour**

Percent distribution of children born in the 5 years preceding the survey by category of elevated risk of mortality and the risk ratio, and percent distribution of currently married women by category of risk if they were to conceive a child at the time of the survey, Karnataka, 2019-20

Risk category	Births in the 5 years preceding the survey		Percentage of currently married women <sup>1</sup>
	Percentage of births	Risk ratio	
Not in any high-risk category	34.9	1.0	70.5 <sup>a</sup>
<b>Unavoidable risk category</b>			
First order births between ages 18 and 34 years	41.6	1.4	8.7
<b>Single high-risk category</b>			
Mother's age <18	1.9	2.0	0.1
Mother's age >34	1.9	1.1	8.9
Birth interval <24 months	14.2	1.1	5.7
Birth order >3	3.3	1.7	1.9
Subtotal	21.2	1.3	16.6
<b>Multiple high-risk category</b>			
Mother's age <18 and birth interval <24 months <sup>2</sup>	0.2	*	0.0
Mother's age >34 and birth interval <24 months	0.2	*	0.2
Mother's age >34 and birth order >3	0.5	(1.0)	3.1
Mother's age >34 and birth interval <24 months and birth order >3	0.0	*	0.1
Birth interval <24 months and birth order >3	1.5	3.4	0.8
Subtotal	2.3	2.5	4.2
In any avoidable high-risk category	23.5	1.4	20.8
Total	100.0	na	100.0
Number of births	8,160	na	21,891

Note: Risk ratio is the ratio of the proportion dead among births in a specific high-risk category to the proportion dead among births not in any high-risk category. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

<sup>1</sup> Women are assigned to risk categories according to the status they would have at the birth of a child if they were to conceive at the time of the survey: current age less than 17 years and 3 months or greater than 34 years and 2 months, latest birth less than 15 months ago, or latest birth of order 3 or higher

<sup>2</sup> Includes the category age <18 and birth order >3

<sup>3</sup> Includes sterilized women

Table 44 Antenatal care

Percent distribution of women who had a live birth in the 5 years preceding the survey by antenatal care (ANC) provider during pregnancy for the most recent live birth and percentage receiving ANC from a skilled provider, according to background characteristics, Karnataka, 2019-20

Background characteristic	Doctor	ANM/ nurse/ midwife/ LHV	Dai (TBA)	Anganwadi/ ICDS worker	Community/ village health worker	ASHA	Other	No ANC	Total	Number of women	Percentage receiving ANC from a skilled provider <sup>1</sup>
<b>Mother's age at birth</b>											
<20	82.8	13.4	0.0	0.7	0.0	0.9	0.0	2.1	100.0	575	96.2
20-34	84.1	12.7	0.0	0.7	0.2	0.9	0.0	1.4	100.0	5,477	96.8
35-49	89.3	8.5	0.0	0.4	0.0	0.4	0.0	1.4	100.0	194	97.9
<b>Birth order</b>											
1	86.1	11.9	0.0	0.5	0.2	0.7	0.0	0.6	100.0	2,344	98.0
2-3	83.7	12.8	0.0	0.7	0.1	0.9	0.0	1.8	100.0	3,522	96.5
4 or more	77.1	15.5	0.2	1.3	0.1	1.8	0.0	3.8	100.0	380	92.7
<b>Residence</b>											
Urban	88.4	9.3	0.0	0.4	0.1	0.4	0.0	1.3	100.0	2,404	97.8
Rural	81.5	14.7	0.1	0.8	0.2	1.2	0.0	1.6	100.0	3,842	96.2
<b>Schooling</b>											
No schooling	76.3	17.8	0.0	0.9	0.2	1.2	0.0	3.6	100.0	653	94.1
<5 years complete	81.6	12.7	0.0	2.0	0.0	1.9	0.0	1.8	100.0	220	94.3
5-9 years complete	82.0	14.1	0.1	0.7	0.2	1.1	0.0	1.6	100.0	1,516	96.2
10-11 years complete	83.2	13.8	0.0	0.7	0.0	0.8	0.1	1.4	100.0	1,586	97.0
12 or more years complete	88.8	9.3	0.0	0.4	0.2	0.6	0.0	0.8	100.0	2,270	98.1
<b>Religion</b>											
Hindu	83.9	13.0	0.0	0.6	0.1	1.0	0.0	1.3	100.0	5,220	96.9
Muslim	85.1	10.5	0.0	1.0	0.2	0.4	0.1	2.7	100.0	899	95.6
Christian	91.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	100.0	76	100.0
Other	(79.9)	(18.3)	(0.0)	(0.0)	(1.7)	(0.0)	(0.0)	(0.0)	100.0	50	(98.3)
<b>Caste/tribe</b>											
Scheduled caste	82.3	14.3	0.0	0.2	0.4	1.2	0.0	1.6	100.0	1,281	96.5
Scheduled tribe	80.9	16.0	0.2	0.8	0.0	1.0	0.1	1.1	100.0	742	96.9
Other backward class	85.3	11.8	0.0	0.8	0.1	0.8	0.0	1.2	100.0	3,393	97.0
Other	85.5	10.8	0.0	0.5	0.2	0.3	0.0	2.6	100.0	778	96.4
Don't know	(86.4)	(6.6)	(0.0)	(0.0)	(0.0)	(2.6)	(0.0)	(4.4)	100.0	51	(93.0)
Total	84.2	12.6	0.0	0.7	0.1	0.9	0.0	1.5	100.0	6,246	96.8

Note: If more than one source of ANC was mentioned, only the provider with the highest qualification is considered in this table. Figures in parentheses are based on 25-49 unweighted cases.

ANM = Auxiliary nurse midwife; LHV = Lady health visitor; TBA = Traditional birth attendant; ICDS = Integrated Child Development Services; ASHA = Accredited Social Health Activist

<sup>1</sup> Skilled provider includes doctor, auxiliary nurse midwife, nurse, midwife, and lady health visitor.

**Table 45 Antenatal care services and information received**

Percent of women who had a live birth in the 5 years preceding the survey who received antenatal care (ANC) for the most recent live birth by services and information received, according to residence and source of antenatal care, Karnataka, 2019-20

Services/information	Residence		Source of ANC				Total
	Urban	Rural	Public health sector	Private health sector <sup>1</sup>	Both public and private health sector <sup>1</sup>	ANC received only at home	
<b>Percentage receiving selected services during antenatal care</b>							
Weighed	99.7	99.3	99.7	99.5	100.0	98.7	99.4
Blood pressure measured	99.5	99.5	99.5	99.5	100.0	99.5	99.5
Urine sample taken	99.8	99.1	99.5	99.4	99.4	99.3	99.4
Blood sample taken	99.8	99.1	99.4	99.6	100.0	99.2	99.4
Abdomen examined	98.5	98.2	98.7	98.4	100.0	97.4	98.3
<b>Percentage receiving information on specific pregnancy complications</b>							
Vaginal bleeding	58.3	58.3	61.1	54.2	56.6	56.0	58.3
Convulsions	61.6	62.1	63.2	60.7	57.2	59.0	61.9
Prolonged labour	63.7	65.2	67.6	63.3	65.8	58.3	64.6
Severe abdominal pain	63.2	64.5	66.4	62.9	63.9	59.0	64.0
High blood pressure	60.8	61.4	63.1	60.5	58.7	56.2	61.1
Where to go if experienced pregnancy complications	86.1	81.6	84.6	84.2	86.8	79.4	83.4
Number of women	2,372	3,782	3,456	1,715	275	1,253	6,154

<sup>1</sup> Includes nongovernmental organizations and trust hospitals/clinics



**Table 46 Antenatal care indicators**

Among women with a live birth in the 5 years preceding the survey, percentage who received different types of antenatal care (ANC) during the pregnancy for their most recent live birth, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who had four or more ANC visits	Percentage with an ANC visit in the first trimester of pregnancy	Percentage who received two or more TT injections during the pregnancy	Percentage whose last live birth was protected against neonatal tetanus <sup>1</sup>	Percentage who were given or bought IFA	Percentage who took IFA for at least 100 days	Percentage who took IFA for at least 180 days	Percentage who took an intestinal parasite drug	Number of women
<b>Mother's age at birth</b>									
<20	71.3	69.7	86.8	93.7	87.8	48.9	27.5	42.6	575
20-34	70.7	71.1	83.0	93.6	88.8	44.0	26.5	44.6	5,477
35-49	74.2	71.1	87.4	95.2	88.4	52.5	30.9	49.5	194
<b>Birth order</b>									
1	74.8	75.2	90.0	94.6	90.0	50.1	30.1	45.2	2,344
2-3	69.0	68.9	80.0	93.4	88.6	41.9	25.3	44.6	3,522
4 or more	63.1	63.7	76.6	89.7	81.0	36.8	18.9	41.4	380
<b>Residence</b>									
Urban	71.2	73.7	86.4	94.9	91.2	50.7	31.5	48.2	2,404
Rural	70.6	69.3	81.7	92.8	87.1	40.9	23.7	42.4	3,842
<b>Schooling</b>									
No schooling	59.7	63.6	77.6	90.1	78.0	29.4	15.5	37.0	653
<5 years complete	67.5	67.3	82.9	92.9	81.4	30.1	14.1	43.6	220
5-9 years complete	68.1	68.1	81.1	92.7	88.1	41.2	23.8	44.3	1,516
10-11 years complete	72.5	73.8	84.5	95.1	90.0	47.3	27.9	46.6	1,586
12 or more years complete	75.0	73.3	86.2	94.3	92.0	51.0	32.3	45.7	2,270
<b>Religion</b>									
Hindu	71.1	70.9	83.5	93.6	88.5	43.6	26.1	45.0	5,220
Muslim	68.3	71.0	82.9	93.5	90.1	48.7	28.5	43.4	899
Christian	73.7	67.7	88.3	96.0	87.4	50.7	37.4	40.7	76
Other	(85.1)	(84.4)	(87.5)	(93.2)	(87.7)	(72.1)	(40.4)	(34.3)	50
<b>Caste/tribe</b>									
Scheduled caste	70.9	69.6	80.3	92.5	86.1	42.2	23.1	45.1	1,281
Scheduled tribe	70.6	71.2	84.1	93.5	84.4	43.9	31.0	46.3	742
Other backward class	72.3	71.2	84.4	93.6	89.9	44.0	26.1	43.8	3,393
Other	65.3	72.1	84.5	95.7	91.5	54.3	32.4	45.1	778
Don't know	(61.2)	(67.1)	(87.3)	(91.6)	(91.0)	(17.0)	(5.9)	(52.9)	51
Total	70.8	71.0	83.5	93.6	88.7	44.7	26.7	44.6	6,246

Note: Figures in parentheses are based on 25-49 unweighted cases.

TT = Tetanus toxoid; IFA = Iron and folic acid

<sup>1</sup> Includes mothers with two injections during the pregnancy for her last live birth, or two or more injections (the last within 3 years of the last live birth), or three or more injections (the last within 5 years of the last live birth), or four or more injections (the last within 10 years of the last live birth), or five or more injections at any time prior to the last live birth

**Table 47 Antenatal care indicators by district**

Among women with a live birth in the 5 years preceding the survey, percentage who received different types of antenatal care (ANC) during the pregnancy for their most recent live birth, by district, Karnataka, 2019-20

District	Percentage who had four or more ANC visits	Percentage with an ANC visit in the first trimester of pregnancy	Percentage who received two or more TT injections during the pregnancy	Percentage whose last live birth was protected against neonatal tetanus <sup>1</sup>	Percentage who were given or bought IFA	Percentage who took IFA for at least 100 days	Percentage who took IFA for at least 180 days	Percentage who took an intestinal parasite drug	Number of women
Bagalkot	76.2	78.2	84.2	94.2	83.5	32.3	21.2	28.0	187
Bangalore	74.6	75.3	95.6	98.4	98.1	58.8	46.3	56.4	797
Bangalore Rural	90.9	81.8	93.4	100.0	91.6	66.9	39.8	52.9	94
Belgaum	63.7	71.2	80.9	94.4	84.2	36.9	16.9	47.4	552
Bellary	56.4	67.5	75.7	90.5	77.7	28.7	15.0	42.4	230
Bidar	55.3	62.7	83.5	97.4	85.2	39.7	26.4	38.1	212
Bijapur	56.4	60.3	84.4	93.5	87.9	36.6	15.4	23.1	257
Chamarajanagar	84.1	83.2	90.1	96.6	84.7	41.2	27.9	56.0	102
Chikkaballapura	90.5	82.6	85.7	94.7	84.5	48.8	19.7	56.6	106
Chikmagalur	74.3	69.5	85.3	93.0	92.6	49.6	26.4	43.5	99
Chitradurga	79.3	66.3	86.8	93.9	91.6	50.5	36.6	60.2	145
Dakshina Kannada	82.0	86.1	93.1	97.5	92.0	68.9	35.4	37.8	216
Davanagere	63.1	63.0	72.5	86.4	90.0	25.0	21.0	31.9	204
Dharwad	85.2	78.7	84.1	92.1	86.6	45.1	25.7	34.6	189
Gadag	68.7	52.6	71.8	93.3	85.9	33.5	17.4	40.1	131
Gulbarga	53.6	59.3	73.4	90.8	82.3	26.6	18.2	32.7	303
Hassan	75.8	67.6	90.0	98.6	91.2	50.1	33.5	67.2	164
Haveri	58.6	73.3	69.2	88.0	88.1	30.5	16.8	50.1	202
Kodagu	74.4	70.6	85.3	95.5	92.6	46.8	30.2	50.8	56
Kolar	90.9	78.0	91.6	97.1	89.7	60.2	39.5	50.6	152
Koppal	50.7	52.4	72.2	84.5	82.3	15.8	8.0	22.6	164
Mandya	90.1	85.6	91.4	99.3	93.9	54.8	21.3	42.2	120
Mysore	85.7	82.0	82.4	94.6	96.2	65.2	31.1	49.5	325
Raichur	67.5	66.4	79.7	89.0	79.7	32.8	25.0	42.9	275
Ramanagara	88.7	91.8	87.2	94.6	88.4	47.9	23.9	49.7	76
Shimoga	79.4	58.7	83.4	96.9	91.5	56.6	39.1	48.3	170
Tumkur	80.4	68.6	83.3	92.7	92.7	61.8	27.9	55.0	275
Udupi	59.4	75.1	88.3	94.8	96.2	51.3	34.2	36.8	129
Uttara Kannada	57.9	80.4	81.5	92.2	87.8	35.6	18.4	52.5	142
Yadgir	63.6	57.4	70.9	79.4	79.1	29.6	10.8	27.7	172
Karnataka	70.8	71.0	83.5	93.6	88.7	44.7	26.7	44.6	6,246

TT = Tetanus toxoid; IFA = Iron and folic acid tablets or syrup

<sup>1</sup> Includes mothers with two injections during the pregnancy for her last live birth, or two or more injections (the last within 3 years of the last live birth), or three or more injections (the last within 5 years of the last live birth), or four or more injections (the last within 10 years of the last live birth), or five or more injections at any time prior to the last live birth

**Table 48 Advice received during pregnancy**

Among women with a live birth in the 5 years preceding the survey who met with a community health worker in the last three months of pregnancy for their most recent live birth, percentage who received different types of advice, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who received advice on:					Number of women who met with a community health worker in the last three months of pregnancy <sup>1</sup>
	Importance of institutional delivery	Cord care	Breastfeeding	Keeping the baby warm	Family planning	
<b>Mother's age at birth</b>						
<20	92.1	93.2	94.4	94.4	89.0	479
20-34	93.7	93.4	96.0	95.6	90.2	4,341
35-49	94.4	97.1	97.6	98.6	89.5	134
<b>Birth order</b>						
1	94.4	94.7	96.3	96.1	91.3	1,863
2-3	93.1	92.8	95.9	95.5	89.9	2,798
4 or more	93.1	91.5	94.0	93.8	83.8	294
<b>Residence</b>						
Urban	94.5	94.3	95.9	96.0	92.7	1,714
Rural	93.1	93.0	95.9	95.4	88.7	3,240
<b>Schooling</b>						
No schooling	90.3	90.5	93.3	92.3	84.9	510
<5 years complete	95.1	95.6	96.0	95.3	84.1	180
5-9 years complete	93.8	93.4	96.7	95.9	89.9	1,268
10-11 years complete	93.1	92.5	95.1	95.8	90.2	1,320
12 or more years complete	94.6	95.0	96.8	96.3	92.4	1,678
<b>Religion</b>						
Hindu	93.6	93.4	96.1	95.7	90.0	4,162
Muslim	92.7	93.4	94.5	94.6	89.9	696
Christian	100.0	100.0	100.0	100.0	99.2	63
<b>Caste/tribe</b>						
Scheduled caste	92.5	93.2	95.9	95.0	90.0	1,078
Scheduled tribe	93.0	93.5	95.6	95.4	89.7	561
Other backward class	94.0	93.1	96.0	95.9	89.4	2,679
Other	94.2	95.5	95.8	95.5	93.1	596
Don't know	(92.3)	(92.3)	(95.6)	(98.1)	(98.1)	40
Total	93.6	93.5	95.9	95.6	90.1	4,955

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women belonging to other religions, who are not shown separately.

<sup>1</sup> Community health worker includes auxiliary nurse midwife (ANM), lady health visitor (LHV), Accredited Social Health Activist (ASHA), *anganwadi* worker, and other community health workers

**Table 49 Pregnancies for which an ultrasound test was done**

Percentage of all pregnancies in the 5 years preceding the survey for which an ultrasound test was done and percent distribution of pregnancies with an ultrasound test by pregnancy outcome, according to background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of pregnancies with an ultrasound test	Number of pregnancies	Pregnancy outcome <sup>1</sup>				Total	Number of pregnancies with an ultrasound test
			Son	Daughter	Termination	Still pregnant		
<b>Mother's age at pregnancy</b>								
<20	94.2	1,606	45.4	42.8	5.0	6.8	100.0	1,513
20-34	94.5	7,880	42.9	41.6	5.6	10.0	100.0	7,446
35-49	89.6	211	33.3	42.0	10.4	14.3	100.0	189
<b>Residence</b>								
Urban	94.9	3,576	41.1	43.9	5.1	10.0	100.0	3,395
Rural	94.0	6,121	44.3	40.5	5.9	9.3	100.0	5,753
<b>Antenatal care visits<sup>2</sup></b>								
None	84.8	108	57.5	31.0	4.0	7.5	100.0	92
1-3	93.6	2,021	44.4	42.6	5.1	7.8	100.0	1,891
4 or more	94.4	5,402	43.1	40.4	6.3	10.2	100.0	5,100
<b>Mother's schooling</b>								
No schooling	92.2	1,050	45.3	43.2	3.3	8.3	100.0	967
<5 years complete	93.0	335	46.3	41.5	4.6	7.6	100.0	312
5-9 years complete	94.1	2,400	44.4	43.1	5.0	7.5	100.0	2,259
10-11 years complete	95.1	2,481	43.7	40.3	6.3	9.7	100.0	2,359
12 or more years complete	94.8	3,431	40.7	41.5	6.2	11.5	100.0	3,251
<b>Religion</b>								
Hindu	94.2	8,074	43.1	41.5	5.8	9.5	100.0	7,607
Muslim	94.7	1,443	42.2	43.7	4.6	9.6	100.0	1,366
Christian	95.9	111	38.6	46.5	3.3	11.6	100.0	106
Other	100.0	70	65.4	23.6	0.9	10.1	100.0	70
<b>Caste/tribe</b>								
Scheduled caste	93.5	2,045	43.4	42.0	4.6	10.0	100.0	1,912
Scheduled tribe	94.7	1,127	40.8	44.7	6.1	8.4	100.0	1,068
Other backward class	94.7	5,257	43.7	40.5	6.2	9.6	100.0	4,981
Other	93.7	1,188	42.2	43.8	4.2	9.8	100.0	1,113
Don't know	93.9	79	41.2	49.3	0.4	9.1	100.0	74

Continued...

Table 49 Pregnancies for which an ultrasound test was done—Continued

Percentage of all pregnancies in the 5 years preceding the survey for which an ultrasound test was done and percent distribution of pregnancies with an ultrasound test by pregnancy outcome, according to background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of pregnancies with an ultrasound test	Number of pregnancies	Pregnancy outcome <sup>1</sup>				Total	Number of pregnancies with an ultrasound test
			Son	Daughter	Termination	Still pregnant		
<b>Mother's number of living children at time of pregnancy</b>								
No children	95.1	4,398	41.7	42.1	5.8	10.3	100.0	4,185
1 child	94.7	3,581	43.4	41.7	5.6	9.2	100.0	3,391
0 sons	95.2	1,741	44.2	40.1	6.1	9.7	100.0	1,657
1 son	94.2	1,841	42.6	43.3	5.2	8.9	100.0	1,734
2 children	92.3	1,308	45.1	41.8	5.3	7.7	100.0	1,208
0 sons	93.0	507	48.8	37.8	6.1	7.4	100.0	471
1 or more sons	91.9	801	42.8	44.4	4.9	8.0	100.0	737
3 children	91.2	302	50.8	35.8	3.4	9.9	100.0	276
0 sons	93.6	119	58.8	32.5	2.2	6.5	100.0	111
1 or more sons	89.7	184	45.5	38.1	4.2	12.2	100.0	165
4 or more children	82.9	108	43.8	44.5	2.2	9.5	100.0	89
0 sons	(80.0)	40	(54.3)	(30.3)	(3.3)	(12.2)	100.0	32
1 or more sons	84.7	67	37.9	52.6	1.5	7.9	100.0	57
Total	94.3	9,697	43.1	41.8	5.6	9.6	100.0	9,148

Note: Figures in parentheses are based on 25-49 unweighted cases.

<sup>1</sup> For multiple births, sex of pregnancy outcome is the sex of the first listed birth

<sup>2</sup> Includes only the most recent pregnancy in the five years preceding the survey

**Table 50 Pregnancy registration and Mother and Child Protection Card**

Percentage of women age 15-49 who had a live birth in the 5 years preceding the survey who registered the pregnancy for the most recent live birth; and among registered pregnancies, percent distribution by the timing of the registration and percentage who received a Mother and Child Protection (MCP) Card, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of pregnancies that were registered	Number of pregnancies	Timing of pregnancy registration			Percentage of mothers given an MCP card	Number of registered pregnancies
			First trimester	Later	Don't know		
<b>Mother's age at birth</b>							
<20	98.9	575	89.0	11.0	0.0	97.9	569
20-34	98.2	5,477	88.6	11.2	0.1	97.7	5,378
35-49	98.3	194	89.7	10.3	0.0	94.6	190
<b>Birth order</b>							
1	98.3	2,344	89.6	10.2	0.2	98.0	2,305
2-3	98.2	3,522	88.6	11.3	0.1	97.5	3,460
4 or more	97.8	380	84.0	16.0	0.0	96.3	372
<b>Residence</b>							
Urban	97.8	2,404	89.7	10.2	0.1	96.8	2,351
Rural	98.5	3,842	88.1	11.8	0.1	98.2	3,785
<b>Schooling</b>							
No schooling	96.8	653	83.1	16.7	0.1	97.4	632
<5 years complete	98.9	220	83.7	16.3	0.0	96.8	218
5-9 years complete	98.5	1,516	86.0	14.0	0.0	98.1	1,494
10-11 years complete	98.8	1,586	91.3	8.6	0.1	98.5	1,567
12 or more years complete	98.1	2,270	90.8	9.0	0.2	96.8	2,226
<b>Religion</b>							
Hindu	98.4	5,220	88.3	11.6	0.1	97.8	5,135
Muslim	97.5	899	91.0	8.8	0.2	96.9	876
Christian	99.3	76	85.4	14.6	0.0	99.0	76
Other	(99.2)	50	(96.0)	(4.0)	(0.0)	(93.1)	50
<b>Caste/tribe</b>							
Scheduled caste	98.3	1,281	87.7	12.2	0.2	97.6	1,260
Scheduled tribe	98.4	742	85.6	14.3	0.1	98.0	730
Other backward class	98.1	3,393	89.3	10.6	0.1	97.6	3,330
Other	98.5	778	90.9	8.8	0.2	97.1	766
Don't know	(98.5)	51	(83.3)	(16.7)	(0.0)	(100.0)	50
<b>Total</b>	<b>98.3</b>	<b>6,246</b>	<b>88.7</b>	<b>11.2</b>	<b>0.1</b>	<b>97.6</b>	<b>6,137</b>

Note: Figures in parentheses are based on 25-49 unweighted cases.

**Table 51 Delivery and postnatal care**

Percent distribution of live births to women age 15-49 in the 5 years preceding the survey by place of delivery and assistance during delivery, percentage of live births delivered by a skilled provider and by caesarean section, percentage of live births delivered at home that were delivered by a skilled provider, and percentage for which the delivery protocol was followed, and percent distribution of women giving birth in the 5 years preceding the survey by timing and type of provider of the first postnatal check of the mother for their most recent live birth, by residence, Karnataka, 2019-20

Delivery and postnatal care descriptors	Urban	Rural	Total
<b>Place of delivery</b>			
Health facility	98.3	96.2	97.0
Public sector	56.0	70.0	64.8
NGO/trust	0.5	0.2	0.3
Private sector	41.8	26.0	31.9
At home	1.5	3.4	2.7
Own home	0.5	1.3	1.0
Parent's home	1.0	2.1	1.7
Other home	0.0	0.0	0.0
Other <sup>1</sup>	0.1	0.5	0.3
Total	100.0	100.0	100.0
<b>Assistance during delivery<sup>2</sup></b>			
Doctor	86.6	73.0	78.0
ANM/nurse/midwife/LHV	9.4	19.1	15.5
Other health personnel	0.2	0.4	0.3
<i>Dai</i> (TBA)	0.3	0.5	0.4
Friends/relatives	2.8	4.5	3.9
Other	0.5	1.9	1.4
No one	0.2	0.6	0.5
Total	100.0	100.0	100.0
Percentage of all births delivered by a skilled provider <sup>3</sup>	96.2	92.5	93.8
Percentage of home births delivered by a skilled provider <sup>3</sup>	1.0	2.0	1.6
Percentage delivered by caesarean section	35.2	29.4	31.5
Percentage delivered by emergency caesarean section <sup>4</sup>	15.6	12.5	13.7
Number of births	3,035	5,124	8,159
<b>For home deliveries<sup>5</sup></b>			
Disposable delivery kit (DDK) used	(63.0)	42.9	47.5
Clean blade used to cut the cord	(90.5)	75.0	78.6
Either of the above	(93.7)	77.2	81.1
Baby was immediately wiped dry and then wrapped without being bathed	(83.2)	79.8	80.6
Number of births delivered at home	30	99	129
<b>Timing after delivery of mother's first postnatal check<sup>6</sup></b>			
Less than four hours	79.6	79.0	79.2
4-23 hours	3.3	4.3	3.9
1-2 days	4.3	5.0	4.8
3-41 days	2.6	2.5	2.6
No postnatal check	10.1	9.2	9.5
Total	100.0	100.0	100.0

*Continued...*

**Table 51 Delivery and postnatal care—Continued**

Percent distribution of live births to women age 15-49 in the 5 years preceding the survey by place of delivery and assistance during delivery, percentage of live births delivered by a skilled provider and by caesarean section, percentage of live births delivered at home that were delivered by a skilled provider, and percentage for which the delivery protocol was followed, and percent distribution of women giving birth in the 5 years preceding the survey by timing and type of provider of the first postnatal check of the mother for their most recent live birth, by residence, Karnataka, 2019-20

Delivery and postnatal care descriptors	Urban	Rural	Total
<b>Type of provider of mother's first postnatal check<sup>6</sup></b>			
Doctor	77.0	69.2	72.2
ANM/nurse/midwife/LHV	11.4	19.5	16.4
Other health personnel	0.2	0.0	0.1
<i>Dai</i> (TBA)	1.1	1.9	1.6
Other	0.2	0.3	0.3
No postnatal check	10.1	9.2	9.5
Total	100.0	100.0	100.0
Number of last live births	2,404	3,842	6,246

Note: Figures in parentheses are based on 25-49 unweighted cases.

NGO = Nongovernmental organization; ANM = Auxiliary nurse midwife; LHV = Lady health visitor; TBA = Traditional birth attendant

<sup>1</sup> Includes missing

<sup>2</sup> If the respondent mentioned more than one person attending during delivery, only the most qualified person is considered in this table

<sup>3</sup> Skilled health personnel includes doctor, auxiliary nurse midwife, nurse, midwife, lady health visitor, and other health personnel

<sup>4</sup> A caesarean section for which the decision to have the operation was made after the onset of labour

<sup>5</sup> Based on the last live birth in the five years preceding the survey

<sup>6</sup> Based on the last live birth in the five years preceding the survey. Postnatal checks are checks on the woman's health within 42 days of the birth



Table 52 Delivery and postnatal care by background characteristics

Percentage of live births in the 5 years preceding the survey delivered in a health facility and percentage delivered with assistance from health personnel, and percentage of women who had a live birth in the 5 years preceding the survey who received a postnatal check and who received a postnatal check within 2 days of birth for their most recent birth, and among births in the year preceding the survey, percentage of deliveries assisted by health personnel, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of births delivered				Percentage of deliveries assisted by health personnel <sup>1</sup>		Percentage of women with a postnatal check <sup>2,3</sup>		Among births in the year preceding the survey:		
	in a public health facility	in a private health facility	of births delivered in a health facility	of births assisted by health personnel <sup>1</sup>	of women with a postnatal check <sup>2,3</sup>	of women with a postnatal check within two days of birth <sup>2,3</sup>	Number of births	Percentage of women with a postnatal check <sup>2,3</sup>	Number of women	Percentage of deliveries assisted by health personnel <sup>1</sup>	Number of births
<b>Mother's age at birth</b>											
<20	72.4	23.9	96.2	92.9	92.1	90.4	972	92.1	575	94.0	176
20-34	64.5	32.6	97.1	94.0	90.3	87.6	6,983	90.3	5,477	93.4	1,488
35-49	38.4	57.1	95.5	94.0	91.2	89.5	204	91.2	194	(95.0)	50
<b>Residence</b>											
Urban	56.0	42.4	98.3	96.2	89.9	87.3	3,035	89.9	2,404	95.6	600
Rural	70.0	26.2	96.2	92.5	90.8	88.3	5,124	90.8	3,842	92.4	1,115
<b>Birth order</b>											
1	59.6	38.5	98.1	94.7	91.6	88.7	3,584	91.6	2,344	95.2	737
2-3	68.3	28.2	96.5	93.4	89.9	87.6	4,149	89.9	3,522	92.1	883
4 or more	74.1	17.7	91.8	91.5	89.0	85.4	427	89.0	380	93.4	95
<b>Antenatal care visits<sup>2</sup></b>											
None	60.6	27.1	87.6	86.2	76.6	72.1	92	76.6	92	(92.4)	24
1-3	67.8	28.5	96.2	93.0	85.4	82.9	1,710	85.4	1,710	91.3	426
4 or more	62.6	35.8	98.3	95.0	92.7	90.1	4,425	92.7	4,425	94.2	1,228
<b>Mother's schooling</b>											
No schooling	78.8	10.4	89.1	90.0	84.7	81.6	915	84.7	653	92.2	152
<5 years complete	76.6	16.0	92.6	90.0	90.8	89.1	303	90.8	220	(89.5)	56
5-9 years complete	75.1	21.4	96.5	93.2	89.7	87.6	2,069	89.7	1,516	91.2	421
10-11 years complete	68.5	30.1	98.5	96.5	91.8	89.1	2,060	91.8	1,586	95.6	425
12 or more years complete	48.6	50.6	99.2	94.0	91.7	89.0	2,813	91.7	2,270	94.3	662

Continued...

Table 52 Delivery and postnatal care by background characteristics—Continued

Percentage of live births in the 5 years preceding the survey delivered in a health facility and percentage delivered with assistance from health personnel, and percentage of women who had a live birth in the 5 years preceding the survey who received a postnatal check and who received a postnatal check within 2 days of birth for their most recent birth, and among births in the year preceding the survey, percentage of deliveries assisted by health personnel, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of births delivered in a public health facility	Percentage of births delivered in a private health facility	Percentage of births delivered in a health facility	Percentage of deliveries assisted by health personnel <sup>1</sup>	Number of births of births	Percentage of women with a postnatal check <sup>2,3</sup>	Percentage of women with a postnatal check <sup>2,3</sup>	Number of women	Among births in the year preceding the survey:	
									Percentage of deliveries assisted by health personnel <sup>1</sup>	Number of births
<b>Religion</b>										
Hindu	65.1	31.8	96.9	93.4	6,764	87.6	90.2	5,220	93.0	1,418
Muslim	64.5	32.3	96.8	96.1	1,235	88.7	91.3	899	95.9	279
Christian	61.8	38.2	100.0	94.9	94	95.8	96.6	76	*	15
Other	(38.0)	(62.0)	(100.0)	(98.5)	67	(94.5)	(96.0)	50	*	4
<b>Caste/tribe</b>										
Scheduled caste	71.5	24.1	95.6	93.5	1,719	89.0	91.0	1,281	94.0	364
Scheduled tribe	69.9	25.8	95.7	90.5	952	86.7	90.3	742	91.2	218
Other backward class	62.3	35.5	97.8	93.9	4,397	88.1	90.6	3,393	93.2	915
Other	58.0	38.8	96.8	96.6	1,024	87.0	90.0	778	96.1	205
Don't know	82.9	15.7	98.6	99.1	68	(79.5)	(79.5)	51	*	13
<b>Place of delivery</b>										
Public health facility	100.0	0.0	100.0	95.2	5,283	88.9	91.3	3,992	94.7	1,095
Private health facility <sup>4</sup>	0.0	100.0	100.0	94.2	2,628	88.7	91.2	2,103	93.3	587
Home	na	na	na	60.1	220	48.6	58.2	129	(58.6)	25
Other <sup>5</sup>	na	na	na	(72.5)	28	*	*	21	*	8
<b>Total</b>	<b>64.8</b>	<b>32.2</b>	<b>97.0</b>	<b>93.8</b>	<b>8,159</b>	<b>87.9</b>	<b>90.5</b>	<b>6,246</b>	<b>93.5</b>	<b>1,715</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes information on births to women who don't know the number of antenatal care visits, which is not shown separately.

na = Not applicable

<sup>1</sup> Health personnel includes doctor, auxiliary nurse midwife, nurse, midwife, lady health visitor, and other health personnel. If the respondent mentioned more than one person attending during delivery, only the most qualified person is considered in this table.

<sup>2</sup> For the most recent birth in the 5 years preceding the survey

<sup>3</sup> Postnatal checks are checks on the woman's health within 42 days of the birth

<sup>4</sup> Includes nongovernmental organizations or trust hospitals/clinics

<sup>5</sup> Includes missing

**Table 53 Delivery and postnatal care by district**

Percentage of live births in the 5 years preceding the survey delivered in a health facility, percentage delivered with assistance from health personnel, and percentage delivered by caesarean section, and percentage of women who had a live birth in the 5 years preceding the survey who received a postnatal check within two days of birth for their most recent birth, by district, Karnataka, 2019-20

District	Percentage of births delivered in a public health facility	Percentage of births delivered in a private health facility	Percentage of births delivered in a health facility	Percentage of deliveries assisted by health personnel <sup>1</sup>	Percentage of births delivered by caesarean section	Number of births	Percentage of women with a postnatal check within two days of birth <sup>2</sup>	Number of women
Bagalkot	57.0	38.2	95.2	91.4	31.0	256	88.3	187
Bangalore	54.7	44.6	99.3	94.4	30.6	955	86.6	797
Bangalore Rural	72.0	28.0	100.0	97.9	43.6	108	89.9	94
Belgaum	60.6	36.9	97.5	96.4	24.2	776	88.4	552
Bellary	76.8	18.9	95.7	95.9	29.0	309	86.7	230
Bidar	73.4	25.6	99.0	91.7	21.8	294	90.7	212
Bijapur	59.6	32.2	91.8	90.0	20.9	353	75.7	257
Chamarajanagar	82.7	17.3	100.0	96.7	31.4	120	94.2	102
Chikkaballapura	83.0	16.0	99.0	97.5	38.2	128	92.0	106
Chikmagalur	77.8	20.5	98.4	98.7	38.1	123	90.9	99
Chitradurga	68.8	29.5	98.3	95.1	42.8	186	94.1	145
Dakshina Kannada	41.8	58.2	100.0	91.9	30.4	245	83.9	216
Davanagere	68.9	29.4	98.3	88.1	39.8	277	76.7	204
Dharwad	69.2	30.5	99.7	99.0	29.9	255	98.4	189
Gadag	67.5	28.7	96.2	98.2	33.5	180	84.6	131
Gulbarga	60.5	28.1	88.7	87.1	22.7	444	82.6	303
Hassan	71.7	28.3	100.0	97.1	41.8	193	93.2	164
Haveri	82.6	14.6	97.2	95.8	23.9	280	93.2	202
Kodagu	73.3	25.1	98.4	94.1	33.2	68	91.6	56
Kolar	76.1	23.5	99.6	99.3	42.1	188	96.6	152
Koppal	68.2	22.6	90.7	89.2	19.1	225	83.3	164
Mandya	60.2	39.3	99.5	97.3	39.5	149	95.5	120
Mysore	56.2	43.8	100.0	97.8	43.6	418	94.5	325
Raichur	64.4	24.5	88.9	83.3	20.0	401	80.4	275
Ramanagara	68.8	31.2	100.0	100.0	39.9	98	87.8	76
Shimoga	74.1	25.6	99.7	96.5	43.7	214	90.9	170
Tumkur	66.9	33.1	100.0	93.1	52.1	345	94.9	275
Udupi	37.6	61.3	98.9	90.2	51.9	149	89.8	129
Uttara Kannada	69.5	29.8	99.3	99.2	36.3	181	87.4	142
Yadgir	73.4	20.0	93.3	93.0	14.3	240	75.9	172
Karnataka	64.8	32.2	97.0	93.8	31.5	8,159	87.9	6,246

<sup>1</sup> Health personnel includes doctor, auxiliary nurse midwife, nurse, midwife, lady health visitor, and other health personnel. If the respondent mentioned more than one person attending during delivery, only the most qualified person is considered in this table.

<sup>2</sup> Postnatal checks are checks on the woman's health within 42 days of birth

**Table 54 Delivery costs and financial assistance**

The average out-of-pocket cost paid for delivery for the most recent live birth among women who had a live birth in the 5 years preceding the survey that was delivered in a health facility by type of facility, and among women who had a live birth in the 5 years preceding the survey for the most recent birth that was delivered in a health facility, percentage who received financial assistance under *Janani Suraksha Yojana* (JSY), according to background characteristics, Karnataka, 2019-20

Background characteristic	Average cost (Rs.) <sup>1</sup>			Percentage who received financial assistance under JSY	Number of births in a health facility
	Public health facility	Private health facility	Any health facility		
<b>Mother's age at birth</b>					
<20	4,394	24,269	9,272	12.9	852
20-34	5,058	24,694	12,165	10.3	5,073
35-49	5,189	26,589	18,181	9.6	170
<b>Birth order</b>					
1	4,937	25,547	12,914	11.2	3,482
2-3	4,667	23,791	10,708	10.0	2,391
4 or more	7,878	17,025	9,824	8.3	223
<b>Residence</b>					
Urban	5,042	25,707	14,462	6.8	2,371
Rural	4,911	23,765	10,318	13.1	3,725
<b>Schooling</b>					
No schooling	3,652	21,100	5,730	11.5	592
<5 years complete	4,304	26,009	8,352	11.2	204
5-9 years complete	5,210	20,204	8,636	12.8	1,476
10-11 years complete	5,070	22,794	10,681	12.0	1,566
12 or more years complete	5,296	26,958	16,816	8.0	2,257
<b>Religion</b>					
Hindu	4,787	24,688	11,705	11.1	5,090
Muslim	5,847	23,979	12,581	8.6	879
Christian	2,840	29,160	10,288	3.3	76
Other	(14,866)	(32,172)	(26,230)	(6.0)	50
<b>Caste/tribe</b>					
Scheduled caste	4,060	21,944	8,951	13.2	1,233
Scheduled tribe	4,103	20,363	8,697	12.1	714
Other backward class	4,531	25,327	12,486	9.9	3,342
Other	9,714	28,006	17,522	7.7	758
Don't know	(4,879)	(24,560)	(7,887)	(16.3)	50
<b>Total</b>	<b>4,954</b>	<b>24,746</b>	<b>11,938</b>	<b>10.6</b>	<b>6,096</b>

Note: Figures in parentheses are based on 25-49 unweighted cases.

<sup>1</sup> Excludes women who don't know the cost

**Table 55 Birth order and delivery characteristics by district**

Percentage of births during the 3 years preceding the survey of birth order 3 or more, percentage of women who had a live birth in the 5 years preceding the survey by antenatal care (ANC) provider during pregnancy for the most recent live birth, and among women who had a live birth in the 5 years preceding the survey for the most recent birth that was delivered in a health facility, the percentage of women who received financial assistance under *Janani Suraksha Yojana* (JSY) by district, Karnataka, 2019-20

District	Percentage of births of birth order 3 or more	Number of births	Percentage of last births receiving antenatal care from doctor	Percentage of last births receiving antenatal care from ANM/nurse/midwife/LHV	Number of last births	Percentage of births in a health facility receiving financial assistance under JSY	Number of births in a health facility
Bagalkot	28.6	153	88.0	47.7	187	16.7	178
Bangalore	13.3	519	92.3	21.6	797	2.4	791
Bangalore Rural	4.4	73	89.7	57.2	94	16.6	94
Belgaum	28.8	438	76.8	39.2	552	8.2	538
Bellary	24.0	176	75.3	58.8	230	12.9	223
Bidar	27.9	170	78.2	51.7	212	8.1	209
Bijapur	30.8	183	79.1	28.8	257	3.5	237
Chamarajanagar	10.7	69	83.0	52.8	102	20.9	102
Chikkaballapura	7.2	69	88.2	60.1	106	15.4	106
Chikmagalur	6.8	75	89.4	55.5	99	16.4	98
Chitradurga	18.9	104	74.9	47.5	145	14.9	144
Dakshina Kannada	17.0	146	98.2	33.2	216	4.2	216
Davanagere	13.8	157	88.1	27.0	204	20.0	201
Dharwad	15.0	155	88.1	49.2	189	11.7	188
Gadag	19.4	102	79.9	57.0	131	15.2	128
Gulbarga	37.0	258	76.1	29.3	303	6.1	277
Hassan	11.4	115	77.5	53.3	164	12.3	164
Haveri	27.2	162	84.2	52.5	202	22.9	197
Kodagu	10.8	39	82.4	52.2	56	13.4	56
Kolar	7.7	117	85.2	48.7	152	13.4	151
Koppal	26.6	133	77.7	30.4	164	11.6	149
Mandya	5.7	89	93.6	38.3	120	8.5	120
Mysore	10.4	241	87.3	54.7	325	10.6	325
Raichur	29.8	246	84.1	38.0	275	16.1	253
Ramanagara	7.8	59	91.1	30.5	76	14.0	76
Shimoga	11.4	124	85.4	40.8	170	17.6	169
Tumkur	11.7	199	83.4	43.7	275	6.8	275
Udupi	6.4	91	82.0	42.0	129	4.5	128
Uttara Kannada	13.0	112	90.2	34.2	142	14.1	141
Yadgir	32.1	147	77.8	55.4	172	13.5	160
Karnataka	19.7	4,720	84.2	41.0	6,246	10.6	6,096

ANM = Auxiliary nurse midwife; LHV = Lady health visitor

**Table 56 Timing of first health check after birth for the newborn**

Percent distribution of last births in the 5 years preceding the survey by time after birth of first health check, and the percentage of births with a health check in the first two days after birth, according to background characteristics, Karnataka, 2019-20

Background characteristic	Time between delivery and newborn's first postnatal health check					No postnatal health check <sup>1</sup>	Total	Percentage of births with a health check in the first two days after birth	Number of births
	Less than 1 hour	1-3 hours	4-23 hours	1-2 days	3-6 days				
<b>Mother's age at birth</b>									
<20	10.6	64.8	5.4	6.6	1.1	11.4	100.0	87.4	879
20-34	9.5	66.9	4.4	5.2	1.2	12.1	100.0	86.1	5,190
35-49	8.5	64.6	8.9	5.5	0.9	11.6	100.0	87.5	176
<b>Birth order</b>									
1	9.5	67.2	4.9	5.9	1.3	10.7	100.0	87.5	2,344
2-3	9.9	66.6	4.3	5.1	1.1	12.4	100.0	85.9	3,522
4-5	8.6	62.3	6.7	5.6	1.3	15.3	100.0	83.1	347
6 or more	(6.2)	(52.9)	(2.0)	(6.6)	(3.0)	(29.2)	100.0	(67.8)	33
<b>Place of delivery</b>									
Public health facility	10.0	67.4	5.1	5.4	1.0	10.6	100.0	87.9	3,992
Private health facility <sup>2</sup>	9.7	68.2	4.1	5.2	1.3	11.0	100.0	87.1	2,103
Home	0.6	21.1	1.3	10.2	4.3	62.6	100.0	33.2	129
<b>Residence</b>									
Urban	8.4	69.4	3.8	4.9	1.1	11.8	100.0	86.5	2,404
Rural	10.4	64.7	5.2	5.8	1.2	12.2	100.0	86.1	3,842
<b>Religion</b>									
Hindu	9.9	65.7	4.9	5.5	1.1	12.4	100.0	85.9	5,220
Muslim	8.6	70.5	3.8	5.3	1.5	10.2	100.0	88.2	899
Christian	12.8	73.9	1.1	5.6	0.0	6.6	100.0	93.4	76
Other	(4.6)	(68.9)	(0.0)	(4.8)	(7.9)	(13.8)	100.0	(78.3)	50
<b>Caste/tribe</b>									
Scheduled caste	8.8	66.5	5.2	6.7	1.8	10.8	100.0	87.1	1,281
Scheduled tribe	10.4	66.2	4.7	3.8	0.8	13.9	100.0	85.1	742
Other backward class	10.2	66.0	4.8	5.4	1.1	11.8	100.0	86.4	3,393
Other	7.8	69.2	2.7	5.3	1.2	13.5	100.0	85.2	778
Don't know	(14.9)	(61.4)	(7.5)	(4.4)	(0.0)	(7.8)	100.0	(88.3)	51
<b>Mother's schooling</b>									
No schooling	9.1	57.8	4.5	6.5	1.7	20.1	100.0	78.0	653
<5 years complete	10.0	64.9	3.2	5.0	0.7	15.9	100.0	83.0	220
5-9 years complete	10.5	65.8	5.5	4.8	1.3	11.4	100.0	86.5	1,516
10-11 years complete	10.0	66.1	4.6	6.4	1.3	11.3	100.0	87.0	1,586
12 or more years complete	9.0	70.0	4.3	5.0	1.0	10.2	100.0	88.3	2,270
<b>Total</b>	<b>9.7</b>	<b>66.5</b>	<b>4.7</b>	<b>5.4</b>	<b>1.2</b>	<b>12.0</b>	<b>100.0</b>	<b>86.3</b>	<b>6,246</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes information on births delivered in an other place of delivery, which is not shown separately.

<sup>1</sup> Includes newborns who received a health check after the first week

<sup>2</sup> Includes nongovernmental organization or trust hospital/clinic

**Table 57 Trends in maternal care indicators**

Maternal care indicators for births during the 5 years preceding the survey by residence, NFHS-5 and NFHS-4, Karnataka

Indicator	NFHS-5 (2019-20)	NFHS-4 (2015-16)
<b>URBAN</b>		
Percentage who received antenatal care <sup>1</sup>	98.5	87.3
Percentage who had at least four antenatal care visits <sup>1</sup>	71.3	69.5
Percentage who received antenatal care within the first trimester of pregnancy <sup>1</sup>	73.8	64.2
Percentage of births delivered in a health facility <sup>2</sup>	98.3	95.3
Percentage of deliveries assisted by health personnel <sup>2,3</sup>	96.2	92.8
<b>RURAL</b>		
Percentage who received antenatal care <sup>1</sup>	98.1	90.2
Percentage who had at least four antenatal care visits <sup>1</sup>	70.6	70.9
Percentage who received antenatal care within the first trimester of pregnancy <sup>1</sup>	69.3	67.3
Percentage of births delivered in a health facility <sup>2</sup>	96.2	93.5
Percentage of deliveries assisted by health personnel <sup>2,3</sup>	92.4	94.6
<b>TOTAL</b>		
Percentage who received antenatal care <sup>1</sup>	98.3	89.0
Percentage who had at least four antenatal care visits <sup>1</sup>	70.9	70.3
Percentage who received antenatal care within the first trimester of pregnancy <sup>1</sup>	71.0	66.0
Percentage of births delivered in a health facility <sup>2</sup>	97.0	94.3
Percentage of deliveries assisted by health personnel <sup>2,3</sup>	93.8	93.9

<sup>1</sup> Based on the last birth to women in the 5 years preceding the survey

<sup>2</sup> Based on all births in the 5 years preceding the survey

<sup>3</sup> Doctor, auxiliary nurse midwife (ANM), nurse, midwife, lady health visitor (LHV), or other health personnel

**Table 58 Male involvement in maternal care: Men's report**

Among men age 15-49 whose youngest living child was age 0-35 months, percentage for whom the mother of the child received antenatal care (ANC), percentage who were present for at least one antenatal check-up, percentage who were told by a health provider or worker at any time during the pregnancy about specific signs of pregnancy complications, percentage to whom a health provider or worker spoke about specific aspects of maternal care at any time during the pregnancy, and percentage whose youngest child was delivered in a health facility, by residence, Karnataka, 2019-20

Antenatal and delivery care information	Urban	Rural	Total
Percentage of men for whom the child's mother received antenatal care	99.1	98.1	98.4
Percentage of men who were present at any antenatal check-up	93.7	89.1	90.6
<b>Percentage who were told by a health provider or worker about the following signs of pregnancy complications:</b>			
Vaginal bleeding	47.8	41.5	43.6
Convulsions	55.6	54.0	54.5
Prolonged labour	58.3	53.5	55.1
Severe abdominal pain	65.7	60.0	61.9
High blood pressure	53.9	47.6	49.7
Percentage ever told what to do if the child's mother had any pregnancy complications	76.6	69.3	71.7
Percentage whose youngest child age 0-35 months was delivered in a health facility	98.2	98.3	98.3
<b>Percentage to whom a health provider or worker spoke about the following aspects of maternal care:</b>			
The importance of delivering the baby in a health facility	85.0	85.6	85.4
The importance of proper nutrition for the mother during pregnancy	88.0	88.4	88.2
Family planning or delaying his next child	77.3	82.3	80.7
Number of men with a youngest child age 0-35 months	200	404	604



Table 59 Vaccinations by background characteristics

Percentage of children age 12-23 months who received specific vaccines at any time before the survey (according to a vaccination card or the mother's report), and percentage with a vaccination card seen by the interviewer, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	BCG			Hepatitis B or Penta <sup>1</sup>			DPT or Penta			Polio <sup>2</sup>			MCV/Measles/MMR/MR		All age appropriate vaccinations <sup>3</sup>		No vaccinations <sup>4</sup>		Percentage with a vaccination card seen	Number of children
	0	1	2	3	0	1	2	3	0	1	2	3	MMR/MR	All basic vaccinations <sup>3</sup>	vaccinations <sup>4</sup>	No vaccinations <sup>4</sup>				
<b>Sex</b>																				
Male	96.4	85.1	92.7	90.8	87.5	94.6	92.4	90.0	92.4	93.9	91.4	86.5	90.9	83.0	72.3	3.4	91.3	827		
Female	97.9	83.7	93.3	92.6	90.3	97.4	96.5	94.4	95.0	97.3	94.9	88.7	91.9	85.4	71.8	1.4	90.2	739		
<b>Birth order</b>																				
1	97.1	84.1	92.7	92.1	90.0	95.6	95.0	93.0	93.0	95.0	92.7	87.9	92.3	85.4	74.3	2.5	90.7	688		
2-3	98.2	86.0	93.5	91.8	88.5	96.8	94.5	92.1	95.6	96.6	94.1	88.3	91.7	84.6	71.9	1.6	92.0	783		
4-5	88.8	73.9	90.7	89.2	84.1	91.2	89.1	85.8	82.3	91.2	88.6	80.1	82.0	71.8	56.3	8.8	82.3	90		
<b>Residence</b>																				
Urban	96.6	82.8	91.9	90.3	86.6	95.0	93.2	91.3	92.0	95.2	91.3	82.5	89.1	80.0	66.5	2.9	87.3	578		
Rural	97.5	85.4	93.6	92.5	90.1	96.4	95.0	92.5	94.6	95.7	94.1	90.5	92.7	86.6	75.3	2.2	92.9	988		
<b>Mother's schooling</b>																				
No schooling	96.9	81.7	95.1	92.9	90.9	96.1	94.0	90.5	92.7	93.0	91.3	87.0	89.2	81.4	69.4	2.6	91.9	164		
<5 years complete	98.2	91.1	100.0	98.4	92.9	100.0	98.4	92.9	95.9	100.0	100.0	94.7	93.6	85.4	78.3	0.0	94.4	50		
5-7 years complete	94.3	86.3	89.2	89.0	85.6	92.4	91.3	88.1	92.7	93.1	90.7	85.3	87.8	81.5	75.9	5.3	87.4	240		
8-9 years complete	97.2	83.7	95.8	91.6	90.3	98.0	93.2	91.9	92.2	98.0	93.2	86.3	91.9	83.3	70.0	2.0	90.1	168		
10-11 years complete	97.7	85.2	93.8	93.3	91.4	96.5	95.6	93.9	94.0	96.3	93.7	90.7	94.6	87.7	74.6	2.1	94.1	388		
12 or more years complete	98.0	83.6	91.9	90.8	87.0	95.9	94.9	92.9	94.3	95.5	93.4	86.3	91.0	83.7	69.4	1.8	89.5	555		
<b>Religion</b>																				
Hindu	97.5	84.5	93.1	92.3	89.2	96.1	95.0	92.6	93.9	95.4	93.6	88.4	92.3	85.5	73.2	2.1	91.8	1,278		
Muslim	96.6	84.3	93.7	90.0	88.0	96.3	92.3	90.3	93.4	96.9	90.9	82.8	88.3	77.5	65.3	2.6	85.3	237		

Continued...

Table 59 Vaccinations by background characteristics—Continued

Percentage of children age 12-23 months who received specific vaccines at any time before the survey (according to a vaccination card or the mother's report), and percentage with a vaccination card seen by the interviewer, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Hepatitis B or Penta <sup>1</sup>				DPT or Penta				Polio <sup>2</sup>			MCV/ Measles/ MMR/MR	All basic vaccinations <sup>3</sup>	All age appropriate vaccinations <sup>4</sup>	No vaccinations <sup>5</sup>	Percentage with a vaccination card seen	Number of children	
	BCG	0	1	2	3	1	2	3	0	1	2							3
<b>Caste/tribe</b>																		
Scheduled caste	98.2	87.1	94.0	93.2	91.4	97.9	97.2	94.9	96.1	97.0	96.1	91.1	93.1	87.9	76.6	1.5	92.8	307
Scheduled tribe	94.9	84.4	91.7	90.4	87.1	94.2	92.9	90.6	93.9	94.2	89.9	85.0	87.3	82.0	72.3	4.6	88.4	172
Other backward class	97.1	84.2	93.2	92.4	89.0	96.0	95.1	92.8	93.4	95.5	94.1	89.2	92.6	86.0	73.0	2.6	92.5	828
Other	97.6	82.7	93.2	89.7	88.2	94.4	91.1	89.3	91.7	94.5	88.0	79.2	88.5	76.5	64.9	1.6	86.4	243
Total	97.1	84.5	93.0	91.7	88.8	95.9	94.4	92.1	93.6	95.5	93.0	87.5	91.4	84.1	72.0	2.5	90.8	1,566
NFHS-4 (2015-16)	92.5	80.9	81.5	74.1	58.9	90.3	86.0	77.9	87.9	91.8	88.0	74.6	82.4	62.6	na	6.2	63.2	1,601

Note: Children are considered to have received the vaccine if it was either written on the child's vaccination card or reported by the mother. For children whose vaccination information is based on the mother's report, the date of vaccination is not collected. The proportions of vaccinations given during the first year of life are assumed to be the same as for children with a written record of vaccination. Total includes children of birth order 6 or more, children belonging to Christian or other religions, and children whose caste/tribe is not known, who are not shown separately.

na = Not available

<sup>1</sup> Hepatitis B 0 is the hepatitis vaccination given at birth. There is no Penta 0 vaccine.

<sup>2</sup> Polio 0 is the polio vaccination given at birth

<sup>3</sup> BCG, MCV/Measles/MMR/MR, and three doses each of DPT/Penta and polio vaccine (excluding polio vaccine given at birth)

<sup>4</sup> BCG, MCV/Measles/MMR/MR, four doses of hepatitis B/Penta, and three doses each of DPT/Penta and polio vaccine (excluding polio vaccine given at birth)

<sup>5</sup> Child has not received any vaccinations listed in the table

Table 60 Vaccinations by district

Percentage of children age 12-23 months who received specific vaccines at any time before the survey (according to a vaccination card or the mother's report), and percentage with a vaccination card seen by the interviewer, by district, Karnataka, 2019-20

District	Hepatitis B or Penta <sup>1</sup>					DPT or Penta					Polio <sup>2</sup>			MCV/ Measles/ MMR/MR		All basic vaccinations <sup>3</sup>	All age appropriate vaccinations <sup>4</sup>	No vaccinations <sup>5</sup>	Percentage with a vaccination card seen	Number of children		
	BCG	0	1	2	3	0	1	2	3	0	1	2	3	0	1						2	3
	Bagalkot	95.5 (95.3)	73.9 (84.8)	89.8 (89.5)	88.4 (86.9)	84.7 (81.3)	97.1 (92.6)	97.1 (92.6)	95.7 (90.0)	92.0 (90.0)	90.7 (92.6)	97.1 (92.6)	97.1 (85.3)	84.0 (78.2)	93.1 (85.4)						84.0 (78.2)	78.6 (78.2)
Bangalore	100.0	86.8	96.1	96.1	94.6	100.0	100.0	100.0	98.4	98.2	97.9	97.9	94.2	100.0	94.2	92.7	79.2	0.0	95.9	24		
Bangalore Rural	97.2	81.3	91.2	91.2	90.0	94.3	92.8	91.6	91.2	91.2	92.7	91.3	87.0	91.8	81.4	81.4	71.1	2.8	89.0	149		
Belgaum	(97.6)	(78.2)	(97.3)	(97.3)	(93.1)	(100.0)	(100.0)	(93.1)	(98.3)	(98.3)	(97.3)	(93.4)	(77.8)	(89.4)	(71.5)	(71.5)	(60.7)	(0.0)	(87.7)	49		
Bellary	97.7	82.1	93.9	91.8	85.6	93.9	92.8	86.6	88.4	88.4	95.4	94.2	87.2	81.8	74.7	74.7	63.0	2.3	88.1	63		
Bidar	95.5	76.0	91.3	89.0	84.7	92.9	87.6	84.7	91.5	91.5	92.9	89.2	81.4	81.8	71.1	71.1	57.3	4.5	84.4	62		
Bijapur	(97.9)	(90.9)	(95.6)	(95.6)	(95.6)	(97.9)	(97.9)	(95.8)	(97.9)	(97.9)	(97.9)	(95.5)	(95.5)	(97.9)	(93.3)	(93.3)	(84.0)	(2.1)	(96.5)	23		
Chamarajanagar	(87.9)	(85.1)	(96.4)	(92.4)	(83.8)	(96.4)	(92.4)	(83.8)	(87.9)	(87.9)	(96.4)	(92.4)	(81.2)	(92.4)	(76.6)	(76.6)	(69.8)	(3.6)	(96.4)	18		
Chikkaballapura	(100.0)	(95.1)	(91.0)	(91.0)	(91.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(96.2)	(93.6)	(91.0)	(100.0)	(91.0)	(91.0)	(81.9)	(0.0)	(97.4)	25		
Chikmagalur	(97.3)	(93.5)	(97.3)	(97.3)	(94.6)	(97.3)	(97.3)	(94.6)	(97.3)	(97.3)	(97.3)	(97.3)	(97.3)	(97.3)	(94.6)	(94.6)	(90.8)	(2.7)	(97.3)	30		
Chitradurga	(100.0)	(95.9)	(96.9)	(92.7)	(88.7)	(98.3)	(96.7)	(90.0)	(100.0)	(100.0)	(97.4)	(95.7)	(89.0)	(98.4)	(86.8)	(86.8)	(83.0)	(0.0)	(92.5)	48		
Dakshina Kannada	(96.0)	(81.1)	(94.4)	(94.4)	(92.1)	(96.0)	(96.0)	(93.7)	(93.9)	(93.9)	(91.9)	(89.8)	(81.2)	(89.2)	(79.4)	(79.4)	(64.2)	(4.0)	(89.3)	47		
Davanagere	(100.0)	(91.0)	(84.6)	(80.3)	(80.3)	(100.0)	(97.6)	(97.6)	(100.0)	(100.0)	(100.0)	(97.6)	(89.1)	(96.1)	(87.6)	(87.6)	(67.7)	(0.0)	(93.5)	46		
Dharwad	93.0	74.6	87.8	86.6	79.7	91.5	88.9	82.1	91.2	91.2	93.2	90.7	86.2	85.5	74.3	74.3	59.6	4.7	84.8	33		
Gadag	95.0	77.4	89.5	88.4	84.5	94.2	90.8	87.4	90.5	94.3	90.0	81.9	85.0	85.0	76.3	76.3	61.6	4.0	82.8	97		
Gulbarga	(100.0)	(94.4)	(97.3)	(97.3)	(97.3)	(100.0)	(100.0)	(100.0)	(100.0)	(97.4)	(100.0)	(100.0)	(96.8)	(100.0)	(96.8)	(96.8)	(88.5)	(0.0)	(96.8)	34		
Hassan	98.6	78.8	94.1	94.1	94.1	98.6	98.6	97.2	92.6	92.6	98.6	97.2	95.7	97.2	95.7	95.7	76.0	1.4	92.4	52		
Haveri	(93.7)	(89.6)	(93.7)	(93.7)	(93.7)	(93.7)	(93.7)	(93.7)	(93.7)	(92.7)	(93.7)	(93.7)	(90.6)	(93.7)	(90.6)	(90.6)	(86.4)	(6.3)	(90.6)	9		
Kodagu	(100.0)	(87.3)	(88.5)	(88.5)	(86.9)	(89.0)	(89.0)	(89.0)	(89.0)	(100.0)	(90.6)	(90.6)	(90.6)	(87.9)	(86.3)	(86.3)	(80.8)	(0.0)	(100.0)	35		
Kolar	97.2	81.7	97.2	95.8	94.2	97.2	95.8	94.2	94.8	94.7	93.3	84.8	84.8	90.3	84.8	84.8	71.9	2.8	89.5	42		
Koppal	(100.0)	(94.1)	(98.3)	(95.2)	(92.2)	(100.0)	(96.9)	(93.9)	(100.0)	(100.0)	(100.0)	(96.9)	(96.9)	(100.0)	(93.9)	(93.9)	(86.3)	(0.0)	(96.9)	29		
Mandya	(100.0)	(93.5)	(100.0)	(100.0)	(97.2)	(100.0)	(100.0)	(97.2)	(90.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(93.2)	(93.2)	(83.4)	(0.0)	(94.6)	74		
Mysore	92.0	75.4	89.8	86.3	85.2	89.8	86.3	83.8	85.2	85.2	89.8	86.3	81.2	85.0	80.2	80.2	65.7	6.8	89.6	71		
Raichur	(100.0)	(100.0)	(97.7)	(97.7)	(97.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(97.7)	(0.0)	(100.0)	15		
Ramanagara	(100.0)	(89.4)	(89.1)	(89.1)	(87.1)	(100.0)	(100.0)	(98.0)	(100.0)	(100.0)	(100.0)	(100.0)	(98.1)	(98.0)	(96.1)	(96.1)	(74.6)	(0.0)	(93.7)	39		
Shimoga	(100.0)	(95.3)	(97.4)	(97.4)	(97.4)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(97.7)	(97.7)	(97.7)	(90.4)	(0.0)	(98.5)	63		
Tumkur																						

Continued...

Table 60. Vaccinations by district—Continued

District	BCG			Hepatitis B or Penta <sup>1</sup>			DPT or Penta			Polio <sup>2</sup>			MCV/ Measles/ MMR/MR	All basic vaccinations <sup>3</sup>	All age appropriate vaccinations <sup>4</sup>	No vaccinations <sup>5</sup>	Percentage with a vaccination card seen	Number of children
	0	1	2	3	1	2	3	0	1	2	3							
Udupi	100.0	90.8	98.0	94.0	98.0	98.0	94.0	97.6	100.0	97.9	94.2	96.2	89.9	82.9	0.0	97.9	28	
Uttara Kannada	98.2	86.6	98.2	96.7	98.2	98.2	96.7	98.2	98.2	98.2	93.6	96.7	93.6	83.6	1.8	95.1	45	
Yadgir	97.2	79.9	94.1	92.0	94.9	92.9	91.0	86.4	93.7	90.8	85.2	89.3	82.6	68.0	2.8	91.0	50	
Karnataka	97.1	84.5	93.0	91.7	95.9	94.4	92.1	93.6	95.5	93.0	87.5	91.4	84.1	72.0	2.5	90.8	1,566	

Note: Children are considered to have received the vaccine if it was either written on the child's vaccination card or reported by the mother. For children whose vaccination information is based on the mother's report, the date of vaccination is not collected. The proportions of vaccinations given during the first year of life are assumed to be the same as for children with a written record of vaccination. Figures in parentheses are based on 25-49 unweighted cases.

<sup>1</sup> Hepatitis B 0 is the hepatitis vaccination given at birth. There is no Penta 0 vaccine.

<sup>2</sup> Polio 0 is the polio vaccination given at birth

<sup>3</sup> BCG, MCV/Measles/MMR/MR, and three doses each of DPT/Penta and polio vaccine (excluding polio vaccine given at birth)

<sup>4</sup> BCG, MCV/Measles/MMR/MR, four doses of hepatitis B/Penta, and three doses each of DPT and polio vaccine (excluding polio vaccine given at birth)

<sup>5</sup> Child has not received any vaccinations listed in the table

**Table 61. Prevalence and treatment of symptoms of ARI and fever**

Among children under age 5 years, percentage who had symptoms of acute respiratory infection (ARI) and fever in the 2 weeks preceding the survey and among children with symptoms of ARI and fever in the 2 weeks preceding the survey, percentage for whom advice or treatment was sought from a health facility or provider, according to background characteristics, Karnataka, 2019-20

Background characteristic	Children under age five			Children under age five with symptoms of ARI			Children under age five with fever	
	Percentage with symptoms of ARI <sup>1</sup>	Percentage with fever	Number of children	Percentage for whom treatment was sought from a health facility or provider <sup>2</sup>	Percentage who received antibiotics	Number of children	Percentage for whom treatment was sought from a health facility or provider <sup>2</sup>	Number of children
<b>Age in months</b>								
<6	1.5	7.8	720	*	*	11	61.2	56
6-11	1.8	13.4	812	*	*	15	73.3	109
12-23	1.6	12.3	1,566	(61.1)	(23.6)	25	69.6	192
24-35	1.2	10.3	1,508	*	*	18	69.6	155
36-47	1.7	9.8	1,554	(49.6)	(11.9)	27	67.0	152
48-59	1.4	8.3	1,777	(63.4)	(22.7)	25	67.7	147
<b>Sex</b>								
Male	1.7	10.8	4,012	54.6	16.5	68	69.9	433
Female	1.3	9.6	3,925	58.9	23.9	52	67.3	378
<b>Residence</b>								
Urban	1.2	8.4	2,966	(38.0)	(14.0)	34	63.5	250
Rural	1.7	11.3	4,971	63.8	22.0	86	71.0	561
<b>Mother's schooling</b>								
No schooling	1.7	10.0	847	*	*	15	64.2	85
<5 years complete	1.4	10.6	314	*	*	4	(68.9)	33
5-7 years complete	1.7	12.0	1,135	(53.3)	(6.5)	19	68.7	136
8-9 years complete	2.2	10.8	832	*	*	19	69.8	90
10-11 years complete	1.5	11.1	2,003	(57.5)	(16.1)	30	70.8	222
12 or more years complete	1.2	8.7	2,806	(55.5)	(29.8)	35	67.9	245
<b>Religion</b>								
Hindu	1.5	10.3	6,568	60.8	21.5	98	68.2	677
Muslim	1.5	9.9	1,210	*	*	19	72.4	120
Christian	3.5	10.6	94	*	*	3	*	10
Other	(1.4)	(6.4)	65	*	*	1	*	4
<b>Caste/tribe</b>								
Scheduled caste	1.9	11.4	1,663	(46.3)	(19.3)	31	68.4	189
Scheduled tribe	1.5	9.6	921	*	*	14	67.9	89
Other backward class	1.4	10.2	4,278	59.1	23.3	59	68.5	438
Other	1.3	8.6	1,010	*	*	13	72.7	87
Don't know	4.9	12.8	66	*	*	3	*	8
<b>Total</b>	<b>1.5</b>	<b>10.2</b>	<b>7,937</b>	<b>56.5</b>	<b>19.7</b>	<b>121</b>	<b>68.7</b>	<b>811</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Symptoms of ARI are cough accompanied by short, rapid breathing which is chest related and/or difficult breathing which is chest related

<sup>2</sup> Includes advice or treatment from the public health sector, the private health sector, or shop. Excludes advice or treatment from a traditional healer or friend/relative

Table 62 Prevalence and treatment of diarrhoea

Percentage of children under age 5 years who had diarrhoea in the 2 weeks preceding the survey and among children under age 5 years who had diarrhoea in the 2 weeks preceding the survey, percentage who received advice or treatment from a health facility or health provider, percentage who received oral rehydration therapy (ORT), percentage who were given other treatments, and percentage who were given no treatment, by background characteristics, Karnataka, 2019-20

Background characteristic	Percent- age of children with diarrhoea	Number of children with diarrhoea	Percentage of children with diarrhoea for whom advice or treatment was sought from a health facility or provider <sup>1</sup>		Percentage of children who were given:										Number of children with diarrhoea					
			A fluid made from an ORS packet	Gruel or increased fluids	Either ORS or increased gruel	ORT (ORS, gruel, or increased fluids)	Zinc and zinc fluids	ORS or increased fluids	Contin- ued feeding and ORT <sup>2</sup>	Anti- biotic drug	Anti- motility drug	Other drug <sup>3</sup>	Intra- venous solution	Home remedy/ herbal/ other						
<b>Age in months</b>																				
<6	6.1	720	(72.3)	(72.6)	(28.9)	(73.5)	(0.0)	(73.5)	(50.3)	(38.6)	(72.6)	(37.8)	(11.8)	(3.4)	(0.0)	(0.0)	(8.6)	(13.8)	44	
6-11	8.2	812	77.0	65.4	31.0	67.6	5.5	69.6	37.3	31.4	67.4	46.1	10.4	5.0	11.9	0.0	5.8	15.9	66	
12-23	7.7	1,566	81.6	73.2	45.3	77.2	7.3	78.4	48.9	38.4	74.5	55.9	8.5	1.7	10.1	0.0	3.8	6.3	121	
24-35	4.5	1,508	72.2	74.7	52.5	78.3	5.8	78.3	42.8	38.2	74.7	55.0	13.3	2.8	12.2	2.6	2.8	12.4	69	
36-47	3.5	1,554	70.0	72.5	42.2	81.4	1.5	81.4	52.9	47.0	72.5	50.3	7.6	8.3	5.8	0.0	7.7	12.0	54	
48-59	3.5	1,777	58.6	68.0	45.7	73.3	3.9	73.3	40.6	35.9	68.0	59.6	9.9	5.9	6.3	0.0	2.0	23.8	63	
<b>Sex</b>																				
Male	5.8	4,012	74.5	71.4	40.2	74.0	4.0	74.9	42.9	35.2	72.3	49.6	9.0	3.8	8.0	0.8	5.3	13.5	232	
Female	4.7	3,925	72.0	71.2	44.5	77.1	5.7	77.6	48.8	41.6	71.6	55.3	11.4	4.4	9.2	0.0	3.9	12.3	184	
<b>Residence</b>																				
Urban	4.6	2,966	74.4	79.0	42.1	82.1	8.1	83.9	47.2	39.5	80.8	61.7	11.6	4.2	9.8	0.0	6.4	9.1	136	
Rural	5.6	4,971	72.9	67.5	42.1	72.1	3.1	72.3	44.7	37.3	67.7	47.4	9.3	4.0	7.9	0.6	3.9	14.8	280	
<b>Mother's schooling</b>																				
No schooling	6.4	847	74.6	71.3	37.7	78.0	5.7	78.0	49.2	42.7	71.3	45.1	7.0	1.3	3.6	0.0	11.5	13.8	55	
<5 years complete	5.9	314	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19
5-7 years complete	6.0	1,135	62.6	66.7	50.3	70.9	7.4	72.1	48.4	36.7	67.9	46.8	10.8	3.4	6.4	1.2	1.7	15.5	68	
8-9 years complete	6.0	832	74.3	79.5	37.7	82.8	6.6	83.9	33.6	30.2	80.5	60.2	12.0	4.7	8.2	0.0	8.8	8.6	50	
10-11 years complete	4.8	2,003	75.1	61.7	32.3	66.9	5.3	67.4	45.0	34.6	62.2	44.0	8.7	1.4	12.0	1.0	3.3	14.7	97	
12 or more years complete	4.6	2,806	76.9	77.9	47.1	79.8	1.6	79.8	48.5	43.8	77.9	58.3	11.8	8.0	9.2	0.0	2.9	12.5	128	

Continued...

**Table 62. Prevalence and treatment of diarrhoea—Continued**

Percentage of children under age 5 years who had diarrhoea in the 2 weeks preceding the survey and among children under age 5 years who had diarrhoea in the 2 weeks preceding the survey, percentage who received advice or treatment from a health facility or health provider, percentage who received oral rehydration therapy (ORT), percentage who were given other treatments, and percentage who were given no treatment, by background characteristics, Karnataka, 2019-20

Background characteristic	Percent- age of children with diarrhoea	Percentage of children who were given:										Number of children with diarrhoea						
		Percentage of children who were given: A fluid made from an ORS packet or health provider <sup>1</sup>	Either ORS or Increased fluids gruel	ORT (ORS, gruel, or fluids)	Zinc and zinc fluids	ORS or increased fluids	Contin- ued and ORT <sup>2</sup>	Anti- biotic drug	Anti- motility drug	Other drug <sup>3</sup>	Intra- venous solution		Home remedy/ herbal/ other	No treat- ment				
<b>Religion</b>																		
Hindu	5.1	74.0	69.2	42.8	74.2	4.6	74.5	45.4	38.3	69.5	52.0	8.9	4.3	9.2	0.5	5.7	13.9	338
Muslim	5.8	74.3	81.8	42.1	81.8	3.6	83.4	44.1	36.9	83.4	51.8	15.1	3.2	5.3	0.0	0.4	9.9	70
Christian	7.5	94	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7
Other	(1.4)	65	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
<b>Caste/tribe</b>																		
Scheduled caste	6.8	70.4	70.9	43.7	74.3	6.9	74.7	48.5	44.4	71.3	56.1	6.7	1.8	8.6	1.6	11.3	13.1	113
Scheduled tribe	4.2	921	(73.2)	(40.2)	(74.0)	(1.4)	(74.0)	(44.5)	(37.1)	(68.8)	(48.0)	(3.5)	(5.6)	(3.4)	(0.0)	(3.8)	(13.3)	38
Other backward class	4.7	4,278	74.5	41.1	71.2	3.1	72.0	46.2	35.3	66.7	46.8	10.1	4.6	10.2	0.0	2.3	15.8	201
Other	6.1	1,010	75.4	45.3	92.9	8.4	94.3	38.5	35.6	93.3	65.0	19.0	5.8	6.6	0.0	1.2	2.8	62
Don't know	3.7	66	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
<b>Source of drinking water<sup>4</sup></b>																		
Improved	5.1	7,577	72.5	42.0	75.7	4.6	76.1	44.6	37.5	71.9	52.3	10.2	3.7	8.4	0.5	4.5	13.1	389
Unimproved	8.0	272	(86.1)	(35.2)	(70.9)	(8.7)	(75.9)	(55.9)	(42.2)	(73.3)	(47.8)	(10.1)	(11.3)	(9.9)	(0.0)	(9.4)	(10.5)	22
Other	6.3	88	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6

Continued...

**Table 62 Prevalence and treatment of diarrhoea—Continued**

Percentage of children under age 5 years who had diarrhoea in the 2 weeks preceding the survey and among children under age 5 years who had diarrhoea in the 2 weeks preceding the survey, percentage who received advice or treatment from a health facility or health provider, percentage who received oral rehydration therapy (ORT), percentage who were given other treatments, and percentage who were given no treatment, by background characteristics, Karnataka, 2019–20

Background characteristic	Percentage of children with diarrhoea for whom advice or treatment was sought from a health facility or provider <sup>1</sup>	Percentage of children who were given:				Percentage who were given other treatments					Number of children with diarrhoea								
		A fluid made from an ORS packet	Gruel or increased fluids	Either ORS or increased fluids	ORT (ORS, gruel, or increased fluids)	ORS and zinc	ORS or increased fluids	Continued feeding and biotic drug <sup>2</sup>	Anti-motility drug	Other drug <sup>3</sup>		Intra-venous solution	Home remedy/ herbal/ other						
<b>Toilet facility<sup>4</sup></b>																			
Improved	4.7	72.2	71.3	45.1	74.9	4.1	75.4	47.3	40.2	71.8	52.8	11.3	4.9	7.5	0.0	3.6	14.5	265	
Shared <sup>5</sup>	11.8	(73.3)	(80.0)	(38.4)	(80.0)	(4.9)	(85.0)	(32.1)	(26.1)	(85.0)	(71.2)	(1.7)	(2.1)	(11.0)	(0.0)	(4.5)	(10.1)	33	
Unimproved	5.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19
No facility/open defecation	5.9	74.8	65.2	36.7	72.1	5.6	72.1	44.1	34.7	65.2	43.3	11.3	2.9	12.1	1.8	6.9	10.8	100	
Total	5.2	73.4	71.3	42.1	75.4	4.7	76.1	45.5	38.0	72.0	52.1	10.0	4.1	8.6	0.4	4.7	13.0	416	

Note: Figures in parentheses are based on 25–49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

ORS = Oral rehydration salts

<sup>1</sup> Includes advice or treatment from the public health sector, the private health sector, or shop. Excludes advice or treatment from a traditional healer or friend/relative

<sup>2</sup> Continued feeding includes children who were given more, same as usual, or somewhat less food during the diarrhoea episode

<sup>3</sup> Includes injection and unknown pill or syrup

<sup>4</sup> See Table 4 for definition of categories

<sup>5</sup> Facilities that would be considered improved if they were not shared by two or more households



Table 63 Feeding practices during diarrhoea

Percent distribution of children under age 5 years who had diarrhoea in the 2 weeks preceding the survey by amount of liquids and food given compared with normal practice, according to background characteristics, Karnataka, 2019-20

Background characteristic	Amount of liquids given					Amount of food given					Number of children with diarrhoea					
	More	Same as usual	Somewhat less	Much less	None	Don't know	Total	More	Same as usual	Somewhat less		Much less	None	Never gave food	Don't know	Total
<b>Age in months</b>																
<6	(0.0)	(28.7)	(38.4)	(15.5)	(11.2)	(6.2)	100.0	(0.0)	(23.8)	(25.0)	(11.3)	(4.5)	(28.7)	(6.6)	100.0	44
6-11	5.5	35.2	33.5	19.8	6.1	0.0	100.0	5.7	31.5	32.7	22.5	0.9	5.6	1.3	100.0	66
12-23	7.3	25.6	44.1	20.7	2.4	0.0	100.0	2.3	29.6	38.1	22.3	2.9	4.8	0.0	100.0	121
24-35	5.8	21.5	40.8	23.8	8.1	0.0	100.0	1.5	29.7	36.7	28.9	1.2	2.0	0.0	100.0	69
36-47	1.5	22.1	35.3	26.2	13.2	1.8	100.0	0.0	25.6	34.8	30.2	0.0	5.8	3.6	100.0	54
48-59	3.9	15.7	56.2	18.6	5.6	0.0	100.0	1.4	29.6	45.0	22.0	0.7	1.3	0.0	100.0	63
<b>Sex</b>																
Male	4.0	22.1	42.2	22.6	8.3	0.8	100.0	2.4	27.0	34.6	25.8	1.4	7.1	1.6	100.0	232
Female	5.7	28.3	41.6	18.8	4.7	1.0	100.0	1.5	31.0	38.3	20.0	2.2	5.9	1.0	100.0	184
<b>Residence</b>																
Urban	8.1	22.7	43.1	20.1	6.0	0.0	100.0	2.3	31.4	37.3	21.1	1.9	5.3	0.8	100.0	136
Rural	3.1	25.9	41.3	21.3	7.1	1.3	100.0	1.9	27.5	35.7	24.3	1.7	7.2	1.6	100.0	280
<b>Mother's schooling</b>																
No schooling	5.7	20.7	39.3	15.1	14.1	5.2	100.0	0.6	23.1	38.7	18.2	3.5	12.5	3.5	100.0	55
5-7 years complete	7.4	30.6	35.5	24.0	1.2	1.3	100.0	2.4	24.3	34.6	32.9	1.2	3.2	1.3	100.0	68
8-9 years complete	6.6	25.2	44.5	18.3	5.4	0.0	100.0	5.0	40.2	27.7	18.5	1.8	6.7	0.0	100.0	50
10-11 years complete	5.3	19.4	47.1	20.8	7.4	0.0	100.0	2.5	23.1	43.2	24.1	0.0	7.1	0.0	100.0	97
12 or more years complete	1.6	28.7	40.1	22.6	7.0	0.0	100.0	1.2	32.2	33.7	22.7	2.0	5.8	2.3	100.0	128
<b>Religion</b>																
Hindu	4.6	25.8	42.6	19.5	6.7	0.8	100.0	1.8	29.9	36.3	22.4	1.5	7.2	0.8	100.0	338
Muslim	3.6	23.0	38.2	26.2	7.8	1.2	100.0	3.3	23.8	33.6	27.9	3.2	4.1	4.2	100.0	70

Continued...

**Table 63 Feeding practices during diarrhoea—Continued**

Percent distribution of children under age 5 years who had diarrhoea in the 2 weeks preceding the survey by amount of liquids and food given compared with normal practice, according to background characteristics, Karnataka, 2019-20

Background characteristic	Amount of liquids given					Amount of food given					Number of children with diarrhoea				
	More	Same as usual	Somewhat less	Much less	None	Don't know	Total	More	Same as usual	Somewhat less		Much less	None	Never gave food	Don't know
<b>Caste/tribe</b>															
Scheduled caste	6.9 (1.4)	20.1 (24.9)	46.1 (50.4)	20.3 (11.1)	6.6 (7.3)	0.0 (5.0)	100.0	1.3 (4.9)	30.5 (23.6)	40.8 (34.7)	21.7 (23.1)	1.4 (0.0)	4.2 (8.8)	0.0 (5.0)	100.0
Scheduled tribe	3.1	29.1	37.7	22.2	7.5	0.4	100.0	1.9	30.3	31.4	24.2	2.1	8.7	1.5	100.0
Other backward class	8.4	19.2	41.6	24.9	4.5	1.5	100.0	2.2	25.2	42.0	23.8	2.5	3.0	1.4	100.0
Other															
<b>Total</b>	<b>4.7</b>	<b>24.8</b>	<b>41.9</b>	<b>20.9</b>	<b>6.7</b>	<b>0.9</b>	<b>100.0</b>	<b>2.0</b>	<b>28.8</b>	<b>36.2</b>	<b>23.2</b>	<b>1.8</b>	<b>6.6</b>	<b>1.4</b>	<b>100.0</b>

Note: It is recommended that children should be given more liquids to drink during diarrhoea and food should not be reduced. Figures in parentheses are based on 25-49 unweighted cases. Total includes children whose mother has less than 5 years of schooling, children belonging to Christian or other religions, and children whose caste/tribe is not known, who are not shown separately.

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**Table 64 Knowledge of ORS packets**

Percentage of women age 15-49 who had a live birth in the 5 years preceding the survey who know about ORS packets for treatment of diarrhoea, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of women who know about ORS packets	Number of women
<b>Age</b>		
15-19	85.3	156
20-24	93.3	1,758
25-34	91.8	3,810
35-49	93.8	522
<b>Residence</b>		
Urban	93.4	2,404
Rural	91.5	3,842
<b>Schooling</b>		
No schooling	88.7	653
<5 years complete	90.1	220
5-9 years complete	91.3	1,516
10-11 years complete	91.6	1,586
12 or more years complete	94.5	2,270
<b>Religion</b>		
Hindu	91.7	5,220
Muslim	94.9	899
Christian	92.0	76
Other	(96.7)	50
<b>Caste/tribe</b>		
Scheduled caste	90.8	1,281
Scheduled tribe	91.9	742
Other backward class	93.0	3,393
Other	92.3	778
Don't know	(83.9)	51
Total	92.2	6,246

Note: Figures in parentheses are based on 25-49 unweighted cases.  
ORS = Oral rehydration salts

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Table 65 Indicators of utilization of ICDS services

Percentage of children under age 6 years who received any service and received specific services from an *anganwadi* centre (AWC) in the 12 months preceding the survey, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of children age 0-71 months who received from an AWC				Children age 36-71 months			Children age 0-59 months		Children age 0-59 months who were weighed at an AWC	
	Any services	Supplementary food <sup>1</sup>	Any immunizations	Health check-ups	Number of children	Percentage who went for early childhood care/preschool	Number of children	Percentage of children who were weighed at an AWC	Number of children	Percentage whose mothers received counselling from an AWC after child was weighed	Number of children
<b>Age in months</b>											
<12	80.3	74.9	70.8	71.7	1,532	na	na	70.5	1,532	81.8	1,081
12-23	86.1	83.0	78.4	79.9	1,566	na	na	80.7	1,566	81.7	1,263
24-35	85.1	81.9	75.0	79.2	1,508	na	na	81.3	1,508	79.0	1,226
36-47	81.3	79.2	73.1	76.5	1,554	70.0	1,554	77.0	1,554	81.3	1,197
48-59	77.3	75.4	69.1	73.1	1,777	69.8	1,777	73.2	1,777	82.4	1,301
60-71	73.7	70.7	65.1	69.3	1,759	67.3	1,759	na	na	na	na
0-35	83.8	80.0	74.8	76.9	4,606	na	na	77.5	4,606	80.8	3,569
36-71	77.3	74.9	68.9	72.8	5,090	69.0	5,090	na	na	na	na
<b>Sex</b>											
Male	80.0	77.3	71.3	74.4	4,926	67.5	2,604	76.6	4,012	80.9	3,073
Female	80.7	77.4	72.1	75.1	4,769	70.6	2,486	76.3	3,925	81.6	2,995
<b>Residence</b>											
Urban	74.9	72.2	66.6	70.0	3,637	65.7	1,930	71.1	2,966	83.4	2,109
Rural	83.7	80.4	74.8	77.7	6,059	71.0	3,159	79.7	4,971	80.1	3,959
<b>Mother's schooling</b>											
No schooling	80.4	77.8	72.8	75.8	1,057	69.4	574	77.1	847	76.9	653
<5 years complete	83.3	81.3	73.7	78.4	383	67.8	211	77.0	314	78.5	242
5-7 years complete	80.6	77.7	72.7	74.5	1,354	70.1	660	76.7	1,135	79.6	871
8-9 years complete	83.5	79.3	73.3	77.0	1,021	72.1	524	78.5	832	82.3	653
10-11 years complete	82.9	80.0	74.1	77.1	2,430	69.5	1,297	79.9	2,003	81.2	1,601
12 or more years complete	77.3	74.1	68.6	71.9	3,451	67.4	1,825	73.0	2,806	83.4	2,048

Continued...

Table 65. Indicators of utilization of ICDS services—Continued

Background characteristic	Percentage of children age 0-71 months who received from an AWC				Children age 36-71 months		Children age 0-59 months		Children age 0-59 months who were weighed at an AWC		
	Any services	Supplementary food <sup>1</sup>	Any immunizations	Health check-ups	Number of children	Percentage who went for early childhood care/preschool	Number of children	Percentage of children who were weighed at an AWC	Number of children	Percentage whose mothers received counselling from an AWC after child was weighed	Number of children
<b>Religion</b>											
Hindu	81.1	78.0	72.5	75.6	8,027	70.0	4,209	77.5	6,568	81.2	5,089
Muslim	77.4	74.4	67.8	71.0	1,482	63.3	786	71.6	1,210	81.2	867
Christian	84.5	81.3	79.5	79.6	113	80.5	63	82.8	94	87.8	78
Other	(59.1)	(59.1)	(47.4)	(52.1)	74	*	32	(53.2)	65	*	34
<b>Caste/tribe</b>											
Scheduled caste	83.6	80.7	75.2	78.8	2,013	74.7	1,038	80.2	1,663	84.2	1,333
Scheduled tribe	80.1	76.2	72.0	73.7	1,126	73.5	576	73.8	921	81.0	680
Other backward class	80.3	77.1	71.3	74.2	5,220	66.8	2,770	76.1	4,278	80.2	3,256
Other	76.0	73.9	67.2	71.6	1,265	65.1	666	73.8	1,010	80.5	745
Don't know	79.9	78.5	73.2	73.7	70	(73.3)	40	81.1	66	(86.4)	53
<b>Total</b>	<b>80.4</b>	<b>77.3</b>	<b>71.7</b>	<b>74.8</b>	<b>9,696</b>	<b>69.0</b>	<b>5,090</b>	<b>76.5</b>	<b>7,937</b>	<b>81.3</b>	<b>6,068</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

ICDS = Integrated Child Development Services

na = Not applicable

<sup>1</sup> Supplementary food includes both food cooked and served at the AWC on a daily basis or given in the form of take home rations.

**Table 66 Utilization of ICDS services during pregnancy and while breastfeeding**

Among children under age 6 years, percentage whose mothers received specific benefits from an *anganwadi* centre (AWC) during pregnancy and while breastfeeding, according to background characteristics, Karnataka, 2019-20

Background characteristic	Mother received from an AWC during pregnancy					Mother received from an AWC while breastfeeding <sup>2</sup>				
	Any benefits	Supple- mentary food <sup>1</sup>	Health check-ups	Health and nutrition education	Number of children	Any services	Supple- mentary food <sup>1</sup>	Health check-ups	Health and nutrition education	Number of children breastfed
<b>Residence</b>										
Urban	76.3	74.8	73.1	72.3	3,637	75.0	74.1	72.3	71.5	3,636
Rural	87.5	86.3	83.9	81.7	6,059	84.4	83.3	80.8	78.6	6,054
<b>Mother's schooling</b>										
No schooling	83.3	81.8	80.6	77.6	1,057	79.0	78.5	75.9	73.3	1,057
<5 years complete	84.3	82.5	80.1	78.5	383	78.9	78.4	76.6	74.8	383
5-7 years complete	84.2	83.2	79.8	77.7	1,354	80.6	79.7	76.1	74.3	1,353
8-9 years complete	87.0	86.1	81.7	81.4	1,021	84.5	83.7	80.7	79.9	1,020
10-11 years complete	85.9	84.4	83.0	80.8	2,430	84.0	83.3	81.0	79.3	2,428
12 or more years complete	80.0	78.5	76.9	75.7	3,451	78.5	77.1	75.4	73.9	3,449
<b>Religion</b>										
Hindu	84.2	82.8	80.8	79.2	8,027	81.8	80.8	78.6	76.9	8,024
Muslim	79.6	78.2	75.3	73.2	1,482	76.3	75.5	72.2	70.8	1,480
Christian	88.4	88.4	87.6	88.4	113	89.5	89.5	89.5	89.5	113
Other	(56.1)	(55.1)	(56.1)	(52.9)	74	(52.9)	(50.6)	(50.8)	(47.3)	73
<b>Caste/tribe</b>										
Scheduled caste	86.6	85.7	83.3	81.4	2,013	84.6	83.7	81.1	79.4	2,011
Scheduled tribe	79.3	76.8	75.5	74.1	1,126	77.3	76.1	74.0	72.6	1,125
Other backward class	84.1	82.7	80.5	78.5	5,220	81.5	80.5	78.2	76.3	5,219
Other	78.8	77.6	75.7	75.2	1,265	75.3	74.9	72.2	71.5	1,264
Don't know	83.0	81.5	82.0	82.0	70	80.4	77.3	79.4	78.7	70
<b>Total</b>	<b>83.3</b>	<b>82.0</b>	<b>79.9</b>	<b>78.2</b>	<b>9,696</b>	<b>80.8</b>	<b>79.9</b>	<b>77.6</b>	<b>75.9</b>	<b>9,690</b>

Note: Figures in parentheses are based on 25-49 unweighted cases.

ICDS = Integrated Child Development Services

<sup>1</sup> Supplementary food includes both food cooked and served at the AWC on a daily basis or given in the form of take-home rations

<sup>2</sup> Excludes children who were not breastfed. Services are usually provided to breastfeeding mothers during the first 6 months of breastfeeding

Table 67 Nutritional status of children

Percentage of children under age 5 years classified as malnourished according to three anthropometric indices of nutritional status: height-for-age, weight-for-height, and weight-for-age, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Height-for-age <sup>1</sup>				Weight-for-height				Weight-for-age					
	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children
<b>Age in months</b>														
<6	10.8	19.8	-0.3	558	12.7	26.8	5.5	-1.0	504	10.6	24.8	2.1	-1.2	600
6-8	13.0	21.3	-0.5	335	7.3	18.3	6.8	-0.5	334	7.3	20.9	1.5	-0.9	346
9-11	10.6	25.3	-0.7	358	16.0	27.5	4.3	-1.0	354	12.5	31.1	1.6	-1.4	380
12-17	18.6	41.1	-1.4	651	10.1	22.6	4.8	-0.8	655	9.9	31.6	2.5	-1.3	684
18-23	22.0	42.2	-1.4	724	7.7	19.2	2.9	-0.9	709	10.3	33.6	1.4	-1.4	754
24-35	15.9	39.8	-1.4	1,295	7.1	15.7	1.8	-0.9	1,247	9.8	33.8	1.7	-1.5	1,331
36-47	13.2	37.0	-1.4	1,363	8.6	19.2	1.9	-1.0	1,313	12.1	36.7	0.5	-1.7	1,378
48-59	13.4	35.9	-1.4	1,500	5.8	17.7	3.0	-0.9	1,447	10.6	35.5	0.4	-1.6	1,518
<b>Sex</b>														
Male	15.9	36.5	-1.3	3,451	8.2	19.7	3.3	-0.9	3,348	11.5	34.5	1.2	-1.5	3,559
Female	13.8	34.3	-1.2	3,334	8.6	19.4	3.1	-0.9	3,215	9.6	31.3	1.3	-1.4	3,433
<b>Birth interval in months<sup>3</sup></b>														
First birth <sup>4</sup>	14.2	32.9	-1.1	2,912	8.9	20.7	3.5	-0.9	2,799	10.1	30.8	1.1	-1.4	2,997
<24	18.1	42.5	-1.5	1,032	7.3	19.0	2.5	-0.9	997	13.1	37.2	0.8	-1.7	1,056
24-35	17.4	39.4	-1.4	1,188	7.8	18.9	3.2	-0.9	1,141	11.5	36.6	1.4	-1.6	1,221
36 or more	12.0	32.3	-1.1	1,639	8.6	18.2	3.0	-0.9	1,612	9.0	31.3	1.6	-1.4	1,702
<b>Birth order<sup>3</sup></b>														
1	14.3	32.8	-1.1	2,882	8.6	20.4	3.5	-0.9	2,773	9.8	30.4	1.2	-1.4	2,966
2-3	15.2	37.1	-1.3	3,534	8.2	18.8	3.0	-0.9	3,436	10.9	34.5	1.3	-1.5	3,639
4-5	15.8	38.3	-1.4	323	7.7	18.8	2.3	-1.0	311	12.6	36.1	1.1	-1.7	340
6 or more	(20.6)	(46.6)	(-1.0)	31	(14.7)	(19.2)	(0.0)	(-1.3)	29	(19.2)	(49.2)	(0.0)	(-1.8)	31
<b>Residence</b>														
Urban	12.3	32.2	-1.1	2,391	8.6	18.5	3.8	-0.8	2,312	10.2	29.4	2.1	-1.3	2,458
Rural	16.3	37.2	-1.3	4,394	8.3	20.1	2.9	-0.9	4,250	10.7	34.8	0.8	-1.6	4,534

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Table 67 Nutritional status of children—Continued

Percentage of children under age 5 years classified as malnourished according to three anthropometric indices of nutritional status: height-for-age, weight-for-height, and weight-for-age, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Height-for-age <sup>1</sup>				Weight-for-height				Weight-for-age					
	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children
<b>Size at birth<sup>3</sup></b>														
Very small	30.5	53.6	-2.2	88	8.4	21.7	6.5	-0.9	92	19.2	56.8	0.0	-2.0	94
Small	17.5	44.1	-1.5	290	7.2	20.0	1.6	-1.0	278	13.2	41.7	2.3	-1.7	291
Average or larger	14.5	34.7	-1.2	6,381	8.4	19.4	3.2	-0.9	6,166	10.3	32.2	1.2	-1.5	6,579
<b>Mother's schooling<sup>5</sup></b>														
No schooling	27.3	50.4	-1.7	761	9.5	23.0	1.4	-1.1	737	16.7	47.4	0.6	-1.9	784
<5 years complete	22.5	53.9	-1.8	242	10.7	24.5	2.2	-1.1	236	18.2	47.8	0.5	-2.0	248
5-7 years complete	16.8	39.0	-1.5	1,009	9.6	21.4	4.1	-1.0	981	12.0	38.3	1.5	-1.7	1,039
8-9 years complete	14.1	36.3	-1.1	739	9.1	21.0	3.3	-1.0	702	12.7	39.4	0.7	-1.6	764
10-11 years complete	13.2	33.0	-1.2	1,739	8.0	18.7	3.0	-0.9	1,676	8.5	31.2	1.2	-1.5	1,777
12 or more years complete	10.5	28.5	-1.0	2,296	7.4	17.2	3.5	-0.7	2,230	8.0	23.5	1.6	-1.2	2,379
<b>Religion</b>														
Hindu	15.0	36.0	-1.3	5,571	8.6	19.5	3.2	-0.9	5,384	10.8	33.0	1.2	-1.5	5,754
Muslim	13.6	33.7	-1.2	1,028	7.5	19.4	3.6	-0.9	1,000	9.7	34.1	1.2	-1.4	1,050
Christian	11.6	19.3	-0.6	88	9.3	22.1	1.8	-0.9	86	4.7	25.2	0.9	-1.0	88
Other	20.7	36.1	-1.3	98	6.6	19.0	0.8	-0.8	93	12.4	27.0	0.0	-1.7	99
<b>Caste/tribe</b>														
Scheduled caste	17.3	39.4	-1.3	1,457	10.7	22.6	2.6	-1.1	1,405	12.1	37.0	1.0	-1.6	1,507
Scheduled tribe	16.6	39.5	-1.3	757	9.7	21.5	4.0	-0.9	725	12.0	35.8	1.3	-1.6	786
Other backward class	13.6	33.6	-1.2	3,633	7.3	18.4	3.3	-0.8	3,519	9.8	31.0	1.4	-1.4	3,745
Other	14.9	32.7	-1.2	845	7.7	16.3	3.1	-0.8	828	9.4	31.8	1.1	-1.4	861
Don't know	(8.1)	(46.2)	(-1.7)	42	(9.7)	(23.3)	(3.4)	(-0.9)	39	(13.1)	(27.9)	(0.0)	(-1.7)	42
No caste/tribe or missing	12.9	26.8	-0.7	51	10.4	30.2	0.0	-1.3	46	20.2	39.0	0.0	-2.1	52

Continued...



Table 67 Nutritional status of children—Continued

Percentage of children under age 5 years classified as malnourished according to three anthropometric indices of nutritional status: height-for-age, weight-for-height, and weight-for-age, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Height-for-age <sup>1</sup>				Weight-for-height				Weight-for-age					
	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children	Percentage below -3 SD	Percentage below -2 SD <sup>2</sup>	Percentage above +2 SD	Mean Z-score (SD)	Number of children
<b>Mother's nutritional status<sup>6</sup></b>														
Underweight (BMI<18.5)	19.0	41.7	-1.5	1,288	8.9	22.6	2.3	-1.1	1,249	12.0	41.6	0.6	-1.8	1,329
Normal (BMI 18.5-24.9)	14.5	34.9	-1.2	3,685	8.2	20.2	3.0	-0.9	3,557	10.9	33.2	1.3	-1.5	3,803
Overweight (BMI≥25.0)	12.0	31.2	-1.1	1,760	8.2	15.7	4.2	-0.7	1,705	8.2	25.8	1.5	-1.2	1,801
Missing	(34.6)	(60.0)	(-1.9)	53	(12.1)	(28.3)	(4.2)	(-0.8)	51	(25.5)	(41.0)	(1.6)	(-1.9)	57
<b>Child's living arrangements</b>														
Living with both parents	14.9	36.0	-1.3	5,835	8.4	19.6	3.1	-0.9	5,654	10.8	33.6	1.3	-1.5	6,007
Living with one or neither parent	14.7	31.7	-1.0	944	8.5	18.9	3.9	-0.8	903	8.9	28.8	0.9	-1.3	978
Total	14.9	35.4	-1.2	6,785	8.4	19.5	3.2	-0.9	6,563	10.6	32.9	1.2	-1.5	6,991
NFHS-4 (2015-16)	16.6	36.2	-1.3	6,490	10.5	26.1	2.6	-1.1	6,490	11.6	35.2	0.6	-1.5	6,490

Note: Table is based on children who stayed in the household the night before the interview. Each of the indices is expressed in standard deviation (SD) units from the median of the WHO Child Growth Standards. Table is based on children with valid dates of birth (month and year) and valid measurement of both height and weight. Figures in parentheses are based on 25-49 unweighted cases. Total includes children whose size at birth is not known, who are not shown separately.

BMI = Body mass index

<sup>1</sup> Recumbent length is measured for children under age 2; standing height is measured for all other children

<sup>2</sup> Includes children who are below -3 standard deviations (SD) from the WHO Child Growth Standards population median

<sup>3</sup> Excludes children whose mothers were not interviewed

<sup>4</sup> First-born twins (triplets, etc.) are counted as first births because they do not have a previous birth interval

<sup>5</sup> For women who are not interviewed, information is taken from the Household Questionnaire. Excludes children whose mothers are not listed in the household schedule.

<sup>6</sup> Excludes children whose mothers were not weighed and measured, children whose mothers were not interviewed, and children whose mothers are pregnant or gave birth within the preceding 2 months. Mother's nutritional status in terms of BMI (Body Mass Index) is presented in Table 78.

**Table 68 Initial breastfeeding**

Among last-born children who were born in the 2 years preceding the survey, percentage who were ever breastfed, and percentages who started breastfeeding within 1 hour and 1 day of birth, and among last-born children born in the 2 years preceding the survey who were ever breastfed, percentage who received a prelacteal feed in the first 3 days after birth, by background characteristics, Karnataka, 2019-20

Background characteristic	Among last-born children born in the past 2 years:			Number of last-born children	Among last-born children born in the past 2 years who were ever breastfed:	
	Percentage ever breastfed	Percentage who started breastfeeding within 1 hour of birth	Percentage who started breastfeeding within 1 day of birth <sup>1</sup>		Percentage who received a prelacteal feed <sup>2</sup>	Number of last-born ever breastfed children
<b>Residence</b>						
Urban	95.1	50.4	89.4	1,095	12.2	1,041
Rural	94.4	47.5	88.4	1,970	13.5	1,859
<b>Sex</b>						
Male	94.6	48.2	88.8	1,583	14.6	1,496
Female	94.7	48.9	88.7	1,482	11.4	1,404
<b>Mother's schooling</b>						
No schooling	89.0	45.9	81.2	324	13.7	288
<5 years complete	96.0	48.4	92.0	121	10.7	116
5-7 years complete	94.6	45.4	87.7	473	12.8	447
8-9 years complete	95.0	54.1	90.8	330	13.8	314
10-11 years complete	95.0	47.7	89.8	734	13.8	698
12 or more years complete	95.8	49.6	89.8	1,082	12.5	1,037
<b>Religion</b>						
Hindu	94.7	47.2	88.5	2,530	13.9	2,396
Muslim	94.3	55.1	89.8	471	9.0	445
Christian	(93.0)	(39.5)	(88.6)	34	(5.4)	32
<b>Caste/tribe</b>						
Scheduled caste	95.2	46.4	89.4	635	16.6	604
Scheduled tribe	95.1	43.5	88.2	360	10.7	343
Other backward class	94.5	48.6	88.3	1,632	12.3	1,542
Other	94.5	57.3	91.4	413	12.7	390
Don't know	(85.5)	(31.1)	(67.7)	25	*	21
<b>Assistance at delivery</b>						
Health personnel <sup>3</sup>	94.7	50.3	89.0	2,883	13.2	2,730
Other/no one <sup>4</sup>	93.3	17.6	84.2	174	10.2	162
<b>Place of delivery</b>						
Health facility	94.7	48.5	88.9	3,003	13.1	2,845
At home	93.5	51.4	88.9	48	11.8	45
<b>Total</b>	<b>94.6</b>	<b>48.5</b>	<b>88.8</b>	<b>3,065</b>	<b>13.0</b>	<b>2,900</b>

Note: Table is based on last-born children born in the 2 years preceding the survey regardless of whether the children are living or dead at the time of the interview. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes children belonging to other religions, children delivered by *dai* (TBA), and children delivered in an other place of delivery, who are not shown separately.

TBA = Traditional birth attendant

<sup>1</sup> Includes children who started breastfeeding within 1 hour of birth

<sup>2</sup> Children given something other than breast milk during the first 3 days of life

<sup>3</sup> Doctor, nurse, midwife, auxiliary nurse midwife, lady health visitor, or other health personnel

<sup>4</sup> Does not include *dai* (TBA)

Table 69 Breastfeeding status by age

Percent distribution of youngest children under age 2 years living with the mother by breastfeeding status and percentage currently breastfeeding, and percentage of all children under age 2 years using a bottle with a nipple, according to age in months, Karnataka, 2019-20

Age in months	Not breastfeeding	Exclusively breastfed	Breastfeeding and consuming:				Total	Percentage currently breastfeeding	Number of youngest children under age 2 years living with the mother	Percentage using a bottle with a nipple	Number of all children under age 2 years
			Plain water only	Non-milk liquids <sup>1</sup>	Other milk	Complementary foods					
<2	7.4	65.6	3.2	1.3	7.3	15.2	100.0	92.6	202	4.7	207
2-3	9.3	69.4	5.7	2.1	2.1	11.4	100.0	90.7	237	7.9	241
4-5	8.3	50.2	15.2	3.2	8.4	14.7	100.0	91.7	272	9.4	272
6-8	12.2	16.9	14.3	1.0	10.5	45.0	100.0	87.8	369	20.0	375
9-11	8.5	8.2	8.5	2.0	8.4	64.4	100.0	91.5	424	24.6	437
12-17	18.1	3.3	5.8	0.7	7.8	64.3	100.0	81.9	735	22.5	746
18-23	37.3	2.5	2.9	1.2	3.8	52.4	100.0	62.7	765	29.5	820
0-3	8.4	67.6	4.5	1.7	4.5	13.2	100.0	91.6	439	6.4	448
0-5	8.4	61.0	8.6	2.3	6.0	13.8	100.0	91.6	711	7.5	720
6-9	10.2	15.3	13.9	1.3	11.6	47.6	100.0	89.8	510	20.0	519
12-15	15.8	3.9	6.4	0.6	7.9	65.5	100.0	84.2	503	22.0	509
12-23	27.9	2.9	4.3	0.9	5.8	58.2	100.0	72.1	1,501	26.2	1,566
20-23	39.3	2.7	3.7	1.2	2.6	50.5	100.0	60.7	495	24.7	534

Note: Breastfeeding status refers to a "24-hour" period (yesterday during the day or at night). Children who are classified as breastfeeding and consuming plain water only consumed no liquid or solid supplements. The categories of not breastfeeding, exclusively breastfed, breastfeeding and consuming plain water, non-milk liquids, other milk, and complementary foods (solids and semi-solids) are hierarchical and mutually exclusive, and their percentages add to 100 percent. Thus, children who receive breast milk and non-milk liquids and who do not receive other milk and who do not receive complementary foods are classified in the non-milk liquid category even though they may also get plain water. Any children who get complementary food are classified in that category as long as they are breastfeeding as well.

<sup>1</sup> Non-milk liquids include juice, juice drinks, clear broth, and other liquids.

**Table 70 Median duration of breastfeeding and infant and young child feeding (IYCF) practices**

Median duration of any breastfeeding, exclusive breastfeeding, and predominant breastfeeding among last-born children born in the 3 years preceding the survey, by background characteristics, Karnataka, 2019-20

Background characteristic	Median duration (months) of breastfeeding among last-born children born in the past 3 years <sup>1</sup>			Number of children
	Any breastfeeding	Exclusive breastfeeding	Predominant breastfeeding <sup>2</sup>	
<b>Sex</b>				
Male	25.3	3.9	6.0	2,173
Female	24.7	4.8	6.3	2,046
<b>Residence</b>				
Urban	25.6	4.1	5.7	1,572
Rural	24.6	4.5	6.4	2,647
<b>Mother's schooling</b>				
No schooling	30.4	a	5.4	432
<5 years complete	(20.1)	a	a	152
5-7 years complete	26.6	4.7	6.5	627
8-9 years complete	21.3	4.3	5.1	448
10-11 years complete	23.6	a	a	1,037
12 or more years complete	24.5	4.8	6.3	1,524
<b>Religion</b>				
Hindu	25.3	4.4	6.1	3,521
Muslim	23.5	4.2	6.4	613
<b>Caste/tribe</b>				
Scheduled caste	25.6	4.5	6.3	889
Scheduled tribe	29.8	a	a	499
Other backward class	24.8	4.3	6.1	2,261
Other	21.6	4.5	6.3	543
<b>Total</b>	<b>25.0</b>	<b>4.4</b>	<b>6.2</b>	<b>4,219</b>

Note: Median and mean durations are based on breastfeeding status of the child at the time of the survey (current status). Includes living and deceased children. Figures in parentheses are based on 25-49 unweighted cases. Total includes children belonging to Christian or other religions and children whose caste/tribe is not known, who are not shown separately.

a = Omitted because the smoothed percentage is below 50 percent in the first age cell (<2 months) and therefore the median cannot be calculated

<sup>1</sup> For last-born children under age 24 months who live with the mother and are breastfeeding, information to determine exclusive and predominant breastfeeding comes from a 24-hour dietary recall. Tabulations assume that last-born children age 24 months or older who live with the mother and are breastfeeding are neither exclusively nor predominantly breastfed. It is assumed that last-born children not currently living with the mother and all non-last-born children are not currently breastfeeding.

<sup>2</sup> Either exclusively breastfed or received breast milk and plain water, and/or non-milk liquids only

Table 71. Minimum acceptable diet

Percentage of youngest children age 6-23 months living with their mother who are fed a minimum acceptable diet based on breastfeeding status, number of food groups, and times they are fed during the day or night preceding the survey, according to background characteristics, Karnataka, 2019-20

Background characteristic	Among breastfed children 6-23 months, percentage fed:			Among non-breastfed children 6-23 months, percentage fed:			Among all children 6-23 months, percentage fed:							
	Minimum dietary diversity <sup>1</sup>	Minimum meal frequency <sup>2</sup>	Minimum acceptable diet <sup>3</sup>	Number of breastfed children	Minimum milk feeding frequency <sup>4</sup>	Minimum dietary diversity <sup>1</sup>	Minimum meal frequency <sup>5</sup>	Minimum acceptable diet <sup>6</sup>	Number of non-breastfed children	Breast milk, milk, or milk products <sup>7</sup>	Minimum dietary diversity <sup>1</sup>	Minimum meal frequency <sup>8</sup>	Minimum acceptable diet <sup>9</sup>	Number of all children
<b>Age in months</b>														
6-11	29.4	25.9	7.7	712	30.4	10.8	28.1	7.2	81	92.9	18.1	26.2	7.6	793
6-8	21.1	33.3	8.2	324	(33.0)	(12.6)	(32.9)	(7.2)	45	91.8	14.1	33.2	8.1	369
9-11	36.3	19.8	7.2	388	(27.1)	(8.6)	(22.1)	(7.3)	36	93.8	21.6	20.0	7.2	424
12-17	49.3	24.0	12.8	602	59.9	20.0	50.1	16.7	133	92.7	33.9	28.7	13.5	735
18-23	60.2	25.9	13.2	479	66.6	31.6	59.0	23.4	286	87.5	40.7	38.2	17.0	765
<b>Sex</b>														
Male	45.6	26.0	10.6	956	55.2	23.9	47.4	17.4	248	90.8	30.8	30.4	12.0	1,205
Female	42.8	24.4	11.1	837	62.6	26.3	55.8	20.6	252	91.4	30.7	31.6	13.3	1,089
<b>Residence</b>														
Urban	43.2	21.4	8.9	653	58.9	21.6	49.2	19.4	197	90.5	26.5	27.8	11.3	849
Rural	45.0	27.5	12.0	1,141	58.9	27.4	53.2	18.7	303	91.4	33.2	32.9	13.4	1,444
<b>Mother's schooling</b>														
No schooling	43.5	25.3	10.8	179	56.0	28.4	45.5	18.7	60	88.9	30.9	30.4	12.8	239
<5 years complete	29.5	13.4	5.9	67	*	*	*	*	19	93.1	22.8	25.7	9.5	87
5-7 years complete	49.8	23.5	10.6	288	56.6	14.0	51.3	8.6	73	91.2	31.8	29.1	10.2	362
8-9 years complete	47.1	30.9	14.3	189	56.7	29.4	49.9	15.9	52	90.6	35.4	35.0	14.6	241
10-11 years complete	47.3	27.0	10.0	435	62.1	25.7	52.8	20.5	121	91.7	31.6	32.7	12.3	557
12 or more years complete	40.8	24.4	11.1	635	58.2	27.4	51.6	23.0	173	91.0	29.1	30.3	13.6	808
<b>Religion</b>														
Hindu	43.8	25.7	10.9	1,478	60.5	24.8	51.8	18.8	422	91.2	30.6	31.5	12.6	1,900
Muslim	49.0	23.4	9.7	277	60.2	32.4	52.1	24.0	64	92.6	32.9	28.8	12.4	340
Christian	*	*	*	18	*	*	*	*	8	(71.5)	(15.3)	(18.9)	(11.2)	27

Continued...

**Table 71 Minimum acceptable diet—Continued**

Percentage of youngest children age 6-23 months living with their mother who are fed a minimum acceptable diet based on breastfeeding status, number of food groups, and times they are fed during the day or night preceding the survey, according to background characteristics, Karnataka, 2019-20

Background characteristic	Among breastfed children 6-23 months, percentage fed:				Among non-breastfed children 6-23 months, percentage fed:				Among all children 6-23 months, percentage fed:				
	Minimum dietary diversity <sup>1</sup>	Minimum meal frequency <sup>2</sup>	Minimum acceptable diet <sup>3</sup>	Number of breastfed children	Minimum dietary frequency <sup>4</sup>	Minimum meal frequency <sup>5</sup>	Minimum acceptable diet <sup>6</sup>	Number of non-breastfed children	Breast milk, milk, or milk products <sup>7</sup>	Minimum dietary diversity <sup>1</sup>	Minimum meal frequency <sup>8</sup>	Minimum acceptable diet <sup>9</sup>	Number of all children
<b>Caste/tribe</b>													
Scheduled caste	46.9	31.1	14.5	390	67.5	28.9	64.2	76	94.7	34.3	36.5	15.9	466
Scheduled tribe	40.9	21.0	9.8	204	58.1	33.2	48.9	59	90.5	31.7	27.3	14.9	263
Other backward class	43.2	25.1	10.7	956	58.6	21.8	48.1	271	90.9	29.3	30.2	11.6	1,227
Other	48.0	18.4	6.3	229	52.9	26.8	52.8	90	86.7	30.9	28.1	10.0	320
<b>Total</b>	<b>44.3</b>	<b>25.3</b>	<b>10.9</b>	<b>1,793</b>	<b>58.9</b>	<b>25.1</b>	<b>51.6</b>	<b>500</b>	<b>91.0</b>	<b>30.7</b>	<b>31.0</b>	<b>12.6</b>	<b>2,293</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes children belonging to other religions and children whose caste/tribe is not known, who are not shown separately.

<sup>1</sup> Minimum dietary diversity is receiving foods from 5 or more of the following 8 food groups: Children received foods from four or more of the following food groups: a. breast milk b. infant formula, milk other than breast milk, cheese or yogurt or other milk products; c. foods made from grains or roots, including porridge or gruel, fortified baby food made from grains; d. vitamin A-rich fruits and vegetables; e. other fruits and vegetables; f. eggs; g. meat, poultry, fish, shellfish, or organ meats; h. beans, peas, lentils, or nuts

<sup>2</sup> For breastfed children, minimum meal frequency is receiving solid or semi-solid food at least twice a day for infants 6-8 months and at least three times a day for children 9-23 months

<sup>3</sup> Breastfed children age 6-23 months are considered to be fed a minimum acceptable diet if they are fed the minimum dietary diversity as described in footnote 1 and the minimum meal frequency as described in footnote 2

<sup>4</sup> Includes two or more feedings of commercial infant formula; fresh, tinned and powdered animal milk; and yogurt

<sup>5</sup> For non-breastfed children age 6-23 months, minimum meal frequency is receiving solid or semi-solid food or milk feeds at least four times a day. At least one of the feeds must be a solid or semi-solid food.

<sup>6</sup> Non-breastfed children age 6-23 months are considered to be fed a minimum acceptable diet if they receive other milk or milk products at least twice a day, receive the minimum meal frequency as described in footnote 5, and receive solid or semi-solid foods from at least four food groups not including the milk or milk products food group

<sup>7</sup> Breastfeeding, or not breastfeeding and receiving two or more feedings of commercial infant formula, fresh, tinned, and powdered animal milk, and yogurt

<sup>8</sup> Children are fed the minimum recommended number of times per day according to their age and breastfeeding status as described in footnotes 2 and 5

<sup>9</sup> Children age 6-23 months are considered to be fed a minimum acceptable diet if they receive breast milk, other milk or milk products as described in footnote 7, are fed the minimum dietary diversity as described in footnote 1, and are fed the minimum meal frequency as described in footnotes 2 and 5

**Table 72 Child feeding practices and nutritional status of children by district**

Among last-born children who were born in the 2 years preceding the survey, percentage who started breastfeeding within 1 hour of birth, percentage of youngest children under age 6 months living with the mother who are exclusively breastfed, and percentage of children under age 5 years classified as malnourished according to three anthropometric indices of nutritional status: height-for-age, weight-for-height, and weight-for-age, by district, Karnataka, 2019-20

District	Among last born children in the past 2 years		Percentage of children under age		Height-for-age <sup>2</sup>		Weight-for-height		Weight-for-age	
	Percentage breastfed within 1 hour of birth	Number of children	6 months exclusively breastfed <sup>1</sup>	Number of children	Percentage below -2 SD <sup>3</sup>	Number of children	Percentage below -2 SD <sup>3</sup>	Number of children	Percentage below -2 SD <sup>3</sup>	Number of children
Bagalkot	28.5	107	(50.4)	21	48.3	238	16.9	235	42.3	240
Bangalore	51.4	339	*	60	31.3	607	19.2	611	28.1	636
Bangalore Rural	59.4	45	*	9	36.6	95	16.2	96	23.8	101
Belgaum	57.0	277	(60.6)	59	32.8	676	23.6	637	36.9	699
Bellary	47.2	118	(56.9)	27	36.1	267	22.9	263	36.5	272
Bidar	31.9	120	(58.5)	26	36.8	253	22.1	241	36.1	268
Bijapur	54.9	111	(63.5)	25	45.9	296	15.0	296	39.0	301
Chamarajanagar	40.7	44	*	11	32.2	104	18.0	98	28.7	107
Chikkaballapura	40.7	40	*	10	31.3	109	16.1	107	25.2	114
Chikmagalur	53.7	49	*	13	27.3	103	24.9	101	25.4	112
Chitradurga	50.5	67	(66.0)	19	36.0	164	17.9	157	32.4	165
Dakshina Kannada	56.3	105	(63.5)	33	25.1	193	30.5	178	26.4	195
Davanagere	36.7	102	(80.8)	31	38.4	208	18.8	206	32.8	211
Dharwad	68.1	93	*	22	45.2	228	16.5	219	40.4	234
Gadag	41.0	60	*	12	45.1	165	18.2	163	39.8	166
Gulbarga	37.6	178	(45.1)	38	34.5	367	25.0	354	36.2	391
Hassan	44.7	75	*	18	27.1	165	15.2	150	23.8	168
Haveri	48.7	100	(80.0)	23	29.9	212	17.7	208	35.0	216
Kodagu	43.7	25	*	6	30.4	61	21.6	60	22.6	63
Kolar	50.6	73	*	17	31.1	169	15.5	161	15.7	173
Koppal	51.0	85	(77.3)	18	49.1	189	23.1	187	45.8	190
Mandya	58.1	58	*	13	24.3	125	11.8	127	16.6	132
Mysore	53.9	159	*	41	27.5	374	15.6	337	28.2	382
Raichur	64.8	164	51.7	50	39.8	333	23.2	314	40.7	344
Ramanagara	48.0	41	*	14	15.6	81	20.0	81	19.8	83
Shimoga	31.8	77	(46.3)	21	29.0	197	23.2	179	34.4	201
Tumkur	29.7	129	*	27	40.3	308	10.8	308	26.7	315
Udupi	44.5	59	(74.5)	15	23.1	133	17.6	133	21.0	136
Uttara Kannada	58.2	75	*	11	29.6	149	21.9	148	33.3	155
Yadgir	51.7	92	(54.7)	21	57.6	215	17.7	209	45.2	219
Karnataka	48.5	3,065	61.0	711	35.4	6,785	19.5	6,563	32.9	6,991

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Based on the youngest child living with the mother

<sup>2</sup> Recumbent length is measured for children under age 2, or in the few cases when the age of the child is unknown and the child is less than 85 cm; standing height is measured for all other children

<sup>3</sup> Based on the WHO Growth Standards population median

**Table 73 Prevalence of anaemia in children**

Percentage of children age 6-59 months classified as having anaemia, by background characteristics, Karnataka, 2019-20 and total for NFHS-4

Background characteristic	Anaemia status by haemoglobin level			Any anaemia (<11.0 g/dl)	Number of children
	Mild (10.0-10.9 g/dl)	Moderate (7.0-9.9 g/dl)	Severe (<7.0 g/dl)		
<b>Age in months</b>					
6-8	27.0	40.2	1.9	69.0	299
9-11	30.2	41.8	4.5	76.5	347
12-17	26.0	52.2	3.4	81.5	617
18-23	27.7	46.6	6.5	80.7	693
24-35	27.1	39.6	3.7	70.3	1,242
36-47	29.2	28.0	1.3	58.5	1,282
48-59	27.0	21.8	0.8	49.6	1,399
<b>Sex</b>					
Male	26.5	36.8	3.2	66.5	3,014
Female	28.8	33.4	2.3	64.5	2,865
<b>Birth order<sup>1</sup></b>					
1	28.6	32.5	2.6	63.7	2,546
2-3	26.8	36.8	2.9	66.5	3,039
4-5	30.5	39.1	2.7	72.4	264
<b>Residence</b>					
Urban	29.0	31.4	2.4	62.8	2,174
Rural	26.8	37.3	2.9	67.1	3,704
<b>Mother's schooling<sup>2</sup></b>					
No schooling	25.9	38.8	3.4	68.2	565
<5 years complete	31.7	39.4	3.3	74.4	196
5-7 years complete	25.2	36.6	3.5	65.3	860
8-9 years complete	25.3	37.1	3.1	65.4	624
10-11 years complete	28.3	34.0	2.7	64.9	1,552
12 or more years complete	29.0	33.4	2.1	64.5	2,082
<b>Religion</b>					
Hindu	27.9	35.4	2.5	65.9	4,826
Muslim	25.2	35.4	3.1	63.6	892
Christian	35.4	24.8	1.0	61.3	79
Other	33.0	25.5	11.6	70.2	82
<b>Caste/tribe</b>					
Scheduled caste	28.0	39.5	3.2	70.7	1,246
Scheduled tribe	29.7	36.7	3.2	69.6	626
Other backward class	28.1	32.8	2.5	63.3	3,192
Other	23.7	36.7	2.4	62.9	739
Don't know	(21.6)	(41.6)	(0.0)	(63.2)	37
No caste/tribe or missing	(28.6)	(29.3)	(6.2)	(64.1)	38
<b>Child's living arrangements</b>					
Living with both parents	27.6	34.9	2.8	65.3	5,236
Living with one or neither parent	28.2	36.8	1.9	66.9	642

*Continued...*



Table 73 Prevalence of anaemia in children—*Continued*

Percentage of children age 6-59 months classified as having anaemia, by background characteristics, Karnataka, 2019-20 and total for NFHS-4

Background characteristic	Anaemia status by haemoglobin level			Any anaemia (<11.0 g/dl)	Number of children
	Mild (10.0-10.9 g/dl)	Moderate (7.0-9.9 g/dl)	Severe (<7.0 g/dl)		
<b>Mother's anaemia status<sup>3</sup></b>					
Not anaemic	26.7	31.8	2.0	60.5	2,971
Mildly anaemic	29.2	36.5	2.6	68.3	1,357
Moderately/severely anaemic	28.1	40.2	4.4	72.8	1,494
<b>Total</b>	<b>27.6</b>	<b>35.1</b>	<b>2.7</b>	<b>65.5</b>	<b>5,879</b>
NFHS-4 (2015-16)	30.3	29.8	0.8	60.9	6,435

Note: Table is based on children who stayed in the household the night before the interview and who were tested for anaemia. Prevalence of anaemia, based on haemoglobin levels, is adjusted for altitude using the CDC formula (Centers for Disease Control (CDC). 1998. Recommendations to prevent and control iron deficiency in the United States. *Morbidity and Mortality Weekly Report* 47 (RR-3): 1-29). Haemoglobin levels shown in grams per decilitre (g/dl). Figures in parentheses are based on 25-49 unweighted cases. Total includes children with birth order 6 or more, who are not shown separately.

<sup>1</sup> Excludes children whose mothers were not interviewed

<sup>2</sup> For mothers who are not interviewed, information is taken from the Household Questionnaire. Excludes children whose mothers are not listed in the household schedule.

<sup>3</sup> Mildly anaemic is 11.0-11.9 g/dl for non-pregnant women and 10.0-10.9 g/dl for pregnant women. Moderately/severely anaemic is <11.0 g/dl for non-pregnant women and <10.0 g/dl for pregnant women. Adjusted for altitude and for smoking status. Excludes children whose mother's anaemia status is not known.

Table 74 Micronutrient intake among children

Percentage of youngest children age 6-23 months living with their mother who consumed vitamin A-rich and iron-rich foods in the day or night preceding the survey, percentage of children age 6-23 months who were given multiple micronutrient powder in the last 7 days, who were given iron supplements in the last 7 days, and who were given deworming medication in the last 6 months; percentage of children age 9-35 months who were given vitamin A supplements in the last 6 months; and percentage of children age 6-59 months who live in households using iodized salt, by background characteristics, Karnataka, 2019-20

Background characteristic	Among youngest children age 6-23 months living with their mother:				Among children age 6-23 months:				Among children age 6-59 months in households with salt tested:			
	Percentage who consumed foods rich in vitamin A in last 24 hours <sup>1</sup>	Percentage who consumed foods rich in iron in last 24 hours <sup>2</sup>	Number of children	Percentage given multiple micronutrient powder in last 7 days <sup>3</sup>	Percentage given iron supplements in last 7 days <sup>3</sup>	Percentage given deworming medication in last 6 months <sup>3,4</sup>	Number of children	Percentage given vitamin A supplements in the last 6 months <sup>5</sup>	Number of children	Percentage living in households using iodized salt <sup>6</sup>	Number of children	Percentage living in households using iodized salt <sup>6</sup>
<b>Age in months</b>												
6-8	23.6	12.5	369	10.7	54.1	50.2	375	na	na	na	92.4	369
9-11	38.9	19.7	424	17.3	62.6	55.3	437	85.3	437	89.6	89.6	418
12-17	53.6	32.8	735	15.5	60.6	55.0	746	81.7	746	91.1	91.1	740
18-23	59.9	39.0	765	22.1	63.1	61.4	820	88.0	820	90.4	90.4	799
24-35	na	na	na	na	na	na	na	87.8	1,508	91.7	91.7	1,458
36-47	na	na	na	na	na	na	na	na	na	92.0	92.0	1,495
48-59	na	na	na	na	na	na	na	na	na	91.9	91.9	1,682
<b>Sex</b>												
Male	48.7	30.2	1,205	17.7	61.8	58.0	1,236	86.1	1,778	91.0	91.0	3,562
Female	47.6	28.0	1,089	17.0	59.7	55.0	1,142	86.4	1,733	92.1	92.1	3,400
<b>Birth order</b>												
1	44.3	27.2	985	17.1	61.0	55.2	1,047	86.8	1,512	92.5	92.5	3,000
2-3	51.9	30.6	1,172	18.8	60.9	57.7	1,192	86.2	1,803	91.4	91.4	3,579
4-5	44.4	30.7	131	7.5	58.8	56.3	134	82.9	186	85.6	85.6	339
6 or more	*	*	5	*	*	*	5	*	10	(93.9)	(93.9)	24
<b>Breastfeeding status<sup>7</sup></b>												
Breastfeeding	47.3	27.3	1,793	16.9	59.2	55.2	1,796	85.2	1,875	90.2	90.2	2,392
Not breastfeeding	51.3	35.9	500	18.9	65.6	60.6	582	87.4	1,637	92.3	92.3	4,551

Continued...

Table 74 Micronutrient intake among children—Continued

Percentage of youngest children age 6-23 months living with their mother who consumed vitamin A-rich and iron-rich foods in the day or night preceding the survey, percentage of children age 6-23 months who were given multiple micronutrient powder in the last 7 days, who were given iron supplements in the last 7 days, and who were given deworming medication in the last 6 months; percentage of children age 9-35 months who were given vitamin A supplements in the last 6 months; and percentage of children age 6-59 months who live in households using iodized salt, by background characteristics, Karnataka, 2019-20

Background characteristic	Among youngest children age 6-23 months living with their mother:				Among children age 6-23 months:				Among children age 6-59 months in households with salt tested:			
	Percentage who consumed foods rich in vitamin A in last 24 hours <sup>1</sup>	Percentage who consumed foods rich in iron in last 24 hours <sup>2</sup>	Number of children	Percentage given multiple micronutrient powder in last 7 days <sup>3</sup>	Percentage given iron supplements in last 7 days <sup>3</sup>	Percentage given deworming medication in last 6 months <sup>3,4</sup>	Number of children	Percentage given vitamin A supplements in the last 6 months <sup>5</sup>	Number of children	Percentage living in households using iodized salt <sup>6</sup>	Number of children	Percentage living in households using iodized salt <sup>6</sup>
<b>Residence</b>												
Urban	45.5	26.0	849	19.4	64.1	58.3	881	86.6	1,352	98.1	2,629	
Rural	49.7	31.1	1,444	16.2	58.9	55.5	1,497	86.0	2,160	87.5	4,332	
<b>Mother's schooling</b>												
No schooling	47.9	29.8	239	17.3	57.7	54.1	248	83.4	368	78.8	782	
<5 years complete	37.0	21.3	87	10.5	64.6	58.2	94	87.7	125	80.4	252	
5-7 years complete	54.1	31.5	362	15.1	57.9	53.5	379	81.9	530	88.5	1,036	
8-9 years complete	53.6	30.9	241	18.2	60.4	61.2	253	85.5	372	92.9	720	
10-11 years complete	50.4	32.0	557	17.8	59.2	56.3	580	88.2	873	93.4	1,768	
12 or more years complete	43.7	26.3	808	18.7	63.8	57.2	825	87.6	1,243	96.3	2,404	
<b>Religion</b>												
Hindu	48.1	28.2	1,900	17.3	61.0	56.7	1,964	86.5	2,920	90.8	5,715	
Muslim	52.4	38.0	340	18.3	62.5	58.1	355	85.2	513	95.3	1,043	
Christian	(17.1)	(14.9)	27	(21.9)	(49.1)	(43.0)	27	(84.2)	39	96.8	87	
Other	*	*	27	*	*	*	32	*	39	90.0	117	

Continued...

Table 74 Micronutrient intake among children—Continued

Percentage of youngest children age 6-23 months living with their mother who consumed vitamin A-rich and iron-rich foods in the day or night preceding the survey, percentage of children age 6-23 months who were given multiple micronutrient powder in the last 7 days, who were given iron supplements in the last 7 days, and who were given deworming medication in the last 6 months; percentage of children age 9-35 months who were given vitamin A supplements in the last 6 months; and percentage of children age 6-59 months who live in households using iodized salt, by background characteristics, Karnataka, 2019-20

Background characteristic	Among youngest children age 6-23 months living with their mother:				Among children age 6-23 months:			Among children age 9-35 months:			Among children age 6-59 months in households with salt tested:	
	Percentage who consumed foods rich in vitamin A in last 24 hours <sup>1</sup>	Percentage who consumed foods rich in iron in last 24 hours <sup>2</sup>	Number of children	Percentage multiple micronutrient powder in last 7 days <sup>3</sup>	Percentage iron supplements given in last 7 days <sup>3</sup>	Percentage deworming medication given in last 6 months <sup>3,4</sup>	Number of children	Percentage given vitamin A supplements in the last 6 months <sup>5</sup>	Number of children	Percentage living in households using iodized salt <sup>6</sup>	Number of children	Percentage of children
<b>Caste/tribe</b>												
Scheduled caste	49.8	37.7	466	19.4	61.1	57.1	490	84.6	89.5	752	89.5	1,464
Scheduled tribe	46.6	30.5	263	14.8	61.0	58.9	272	86.7	88.7	414	88.7	793
Other backward class	47.2	25.6	1,227	15.3	59.0	54.1	1,270	87.7	92.4	1,855	92.4	3,728
Other	51.1	29.8	320	25.3	66.0	63.2	326	82.8	94.5	470	94.5	863
Don't know	*	*	18	*	*	*	19	*	(87.2)	21	(87.2)	53
No caste/tribe or missing	nc	nc	0	nc	nc	nc	0	nc	85.2	0	85.2	60
<b>Total</b>	<b>48.2</b>	<b>29.2</b>	<b>2,293</b>	<b>17.4</b>	<b>60.8</b>	<b>56.5</b>	<b>2,378</b>	<b>86.2</b>	<b>91.5</b>	<b>3,511</b>	<b>91.5</b>	<b>6,962</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

nc = No cases

<sup>1</sup> Includes meat and organ meats, fish, poultry, eggs, pumpkin, carrots, squash, sweet potatoes that are yellow or orange inside, dark green leafy vegetables, ripe mango, papaya, cantaloupe, and jackfruit

<sup>2</sup> Includes meat and organ meats, fish, poultry, and eggs

<sup>3</sup> Based on mother's recall

<sup>4</sup> Deworming for intestinal parasites is commonly done for helminths and schistosomiasis

<sup>5</sup> Based on mother's recall and the vaccination card (where available)

<sup>6</sup> Excludes children in households in which salt was not tested. Includes children whose mothers were not interviewed except for birth order.

<sup>7</sup> Excludes children whose breastfeeding status is unknown

**Table 75 Presence of iodized salt in household**

Percent distribution of households by salt testing, and among households with salt tested, percentage with iodized salt, according to background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Percentage of households:				Number of households	Among households with tested salt:	
	With salt tested	With salt, but salt not tested <sup>1</sup>	With no salt in the household	Total		Percentage with iodized salt	Number of households
<b>Residence</b>							
Urban	99.6	0.1	0.3	100.0	10,981	97.7	10,933
Rural	99.7	0.0	0.3	100.0	15,593	89.4	15,549
<b>Religion</b>							
Hindu	99.7	0.0	0.3	100.0	22,597	92.5	22,526
Muslim	99.8	0.0	0.2	100.0	2,729	94.9	2,724
Christian	99.9	0.0	0.1	100.0	390	98.0	390
Other	98.1	1.4	0.5	100.0	857	92.3	841
<b>Caste/tribe</b>							
Scheduled caste	99.6	0.0	0.4	100.0	5,218	91.8	5,199
Scheduled tribe	99.8	0.0	0.2	100.0	2,688	90.0	2,682
Other backward class	99.7	0.0	0.3	100.0	14,965	93.7	14,920
Other	99.7	0.0	0.3	100.0	2,880	93.4	2,872
Don't know	100.0	0.0	0.0	100.0	147	85.6	147
No caste/tribe or missing	97.9	1.8	0.3	100.0	675	91.5	661
Total	99.7	0.1	0.3	100.0	26,574	92.8	26,481
NFHS-4 (2015-16)	99.3	0.0	0.7	100.0	23,842	86.8	23,665

<sup>1</sup> Includes households in which salt could not be tested for technical or logistical reasons

**Table 76 Presence of iodized salt in household by district**

Percent distribution of households by salt testing, and among households with salt tested, percentage with iodized salt, by district, Karnataka, 2019-20

District	Percentage of households:				Number of households	Among households with tested salt:	
	With salt tested	With salt, but salt not tested <sup>1</sup>	With no salt in the household	Total		Percentage with iodized salt	Number of households
Bagalkot	99.8	0.0	0.2	100.0	704	81.3	702
Bangalore	99.2	0.3	0.5	100.0	4,237	99.4	4,203
Bangalore Rural	99.5	0.0	0.5	100.0	434	95.6	432
Belgaum	99.8	0.0	0.2	100.0	1,977	95.2	1,973
Bellary	99.8	0.0	0.2	100.0	998	84.7	996
Bidar	100.0	0.0	0.0	100.0	690	97.7	690
Bijapur	99.6	0.0	0.4	100.0	798	92.3	796
Chamarajanagar	99.7	0.0	0.3	100.0	522	98.0	520
Chikkaballapura	99.5	0.1	0.4	100.0	527	95.0	524
Chikmagalur	99.7	0.0	0.3	100.0	518	96.8	517
Chitradurga	100.0	0.0	0.0	100.0	672	96.4	672
Dakshina Kannada	100.0	0.0	0.0	100.0	925	96.9	925
Davanagere	99.8	0.0	0.2	100.0	793	94.9	791
Dharwad	99.8	0.2	0.0	100.0	853	92.3	851
Gadag	99.4	0.1	0.5	100.0	482	77.1	479
Gulbarga	99.9	0.0	0.1	100.0	988	92.2	987
Hassan	100.0	0.0	0.0	100.0	846	98.5	846
Haveri	99.7	0.1	0.2	100.0	663	87.9	661
Kodagu	99.6	0.2	0.1	100.0	248	98.4	247
Kolar	99.7	0.0	0.3	100.0	629	94.7	627
Koppal	99.1	0.1	0.8	100.0	533	47.9	529
Mandya	99.8	0.0	0.2	100.0	823	97.7	821
Mysore	99.7	0.0	0.3	100.0	1,649	98.0	1,645
Raichur	99.6	0.0	0.4	100.0	786	73.3	782
Ramanagara	99.7	0.0	0.3	100.0	488	95.7	487
Shimoga	99.7	0.0	0.3	100.0	759	91.0	756
Tumkur	99.4	0.0	0.6	100.0	1,323	94.7	1,315
Udupi	99.9	0.1	0.0	100.0	503	95.5	503
Uttara Kannada	99.9	0.0	0.1	100.0	735	94.3	734
Yadgir	99.9	0.0	0.1	100.0	472	76.3	471
Karnataka	99.7	0.1	0.3	100.0	26,574	92.8	26,481

<sup>1</sup> Includes households in which salt could not be tested for technical or logistical reasons

**Table 77 Women's and men's food consumption**

Percent distribution of women and men age 15-49 by frequency of consumption of specific foods, Karnataka, 2019-20

Type of food	Frequency of consumption				Total	Number of respondents
	Daily	Weekly	Occasionally	Never		
<b>WOMEN</b>						
Milk or curd	77.9	16.1	4.2	1.8	100.0	30,455
Pulses or beans	75.4	21.7	2.8	0.1	100.0	30,455
Dark green leafy vegetables	70.7	26.8	2.4	0.2	100.0	30,455
Fruits	26.9	51.7	20.9	0.6	100.0	30,455
Eggs	8.5	54.9	18.8	17.8	100.0	30,455
Fish	3.7	31.8	33.3	31.2	100.0	30,455
Chicken or meat	2.8	50.0	23.5	23.6	100.0	30,455
Fish or chicken/meat	5.5	52.2	19.9	22.4	100.0	30,455
Fried foods	4.6	38.0	51.2	6.1	100.0	30,455
Aerated drinks	3.5	22.4	60.2	13.9	100.0	30,455
<b>MEN</b>						
Milk or curd	76.2	18.7	4.1	1.0	100.0	4,120
Pulses or beans	70.5	27.0	2.3	0.2	100.0	4,120
Dark green leafy vegetables	70.1	24.4	5.5	0.1	100.0	4,120
Fruits	21.4	56.4	21.6	0.5	100.0	4,120
Eggs	9.7	56.6	23.3	10.4	100.0	4,120
Fish	5.2	36.4	37.0	21.5	100.0	4,120
Chicken or meat	4.0	49.7	29.4	16.8	100.0	4,120
Fish or chicken/meat	7.3	52.8	25.3	14.6	100.0	4,120
Fried foods	9.0	31.0	47.9	12.1	100.0	4,120
Aerated drinks	6.7	25.0	52.6	15.6	100.0	4,120

Table 78 Nutritional status of adults

Percentage of women and men age 15-49 with specific body mass index (BMI) levels, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Body Mass Index: Women <sup>1</sup>					Body Mass Index: Men					Number of men		
	<18.5 (total thin)	17.0-18.4 (mildly thin)	<17.0 (moderately/ severely thin)	≥25.0 (overweight or obese)	25.0-29.9 (overweight)	≥30.0 (obese)	Number of women	<18.5 (total thin)	17.0-18.4 (mildly thin)	<17.0 (moderately/ severely thin)		≥25.0 (overweight or obese)	25.0-29.9 (overweight)
<b>Age</b>													
15-19	42.4	21.3	21.1	8.3	6.3	2.1	3,993	47.1	23.7	23.3	10.5	9.5	1.1
20-29	20.8	11.6	9.2	21.5	15.8	5.7	8,163	11.6	7.8	3.8	21.7	17.2	4.5
30-39	9.9	6.0	3.9	37.7	27.3	10.4	8,479	7.4	4.8	2.5	40.5	33.0	7.5
40-49	7.7	4.7	2.9	42.9	30.0	12.9	7,306	6.1	4.1	2.0	41.2	33.1	8.1
<b>Marital status</b>													
Never married	35.9	17.6	18.3	11.3	8.1	3.2	6,132	25.5	14.0	11.5	19.2	15.8	3.4
Currently married	12.0	7.3	4.7	35.8	25.7	10.1	19,979	6.1	4.3	1.8	39.3	31.7	7.6
Widowed/divorced/ separated/deserted	10.6	6.4	4.2	31.7	22.4	9.3	1,830	(24.0)	(6.1)	(17.9)	(31.3)	(25.1)	(6.3)
<b>Residence</b>													
Urban	12.9	7.0	5.9	37.1	25.2	11.8	11,092	11.5	6.4	5.1	39.4	31.5	8.0
Rural	19.9	11.1	8.8	25.6	19.3	6.3	16,849	16.2	9.7	6.6	25.0	20.7	4.4
<b>Schooling</b>													
No schooling	15.1	9.2	5.9	28.2	21.7	6.5	5,598	12.7	8.5	4.1	26.3	19.9	6.5
<5 years complete	12.1	7.1	5.0	35.8	26.0	9.8	1,525	8.6	7.1	1.5	31.8	25.8	6.0
5-9 years complete	18.0	10.0	8.0	31.9	22.2	9.7	7,104	19.0	9.9	9.1	26.4	20.7	5.7
10-11 years complete	19.4	9.8	9.6	29.8	20.4	9.4	6,323	18.6	9.5	9.2	33.8	26.7	7.1
12 or more years complete	17.0	9.5	7.6	29.0	21.3	7.8	7,390	9.0	6.4	2.6	33.8	29.0	4.8
<b>Religion</b>													
Hindu	17.5	9.7	7.8	29.0	21.3	7.8	24,148	14.4	8.4	6.1	30.9	25.0	5.9
Muslim	14.8	8.5	6.3	37.6	24.2	13.4	3,176	12.3	7.2	5.1	30.3	26.2	4.1
Christian	11.0	5.9	5.1	41.1	27.4	13.6	434	(17.7)	(14.5)	(3.2)	(34.9)	(17.4)	(17.5)
Other	24.0	8.1	15.9	18.0	12.4	5.6	184	*	*	*	*	*	*

Continued...



Table 78 Nutritional status of adults—Continued

Percentage of women and men age 15-49 with specific body mass index (BMI) levels, by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Body Mass Index: Women <sup>1</sup>				Body Mass Index: Men				Number of men					
	<18.5 (total thin)	17.0-18.4 (mildly thin)	<17.0 (moderately/ severely thin)	≥25.0 (overweight/ obese)	25.0-29.9 (overweight)	≥30.0 (obese)	Number of women	<18.5 (total thin)		17.0-18.4 (mildly thin)	<17.0 (moderately/ severely thin)	≥25.0 (overweight/ obese)	25.0-29.9 (overweight)	≥30.0 (obese)
<b>Caste/tribe</b>														
Scheduled caste	18.6	10.3	8.2	26.8	20.2	6.6	5,916	14.8	7.9	6.8	33.3	25.9	7.4	730
Scheduled tribe	21.4	11.7	9.7	25.1	19.9	5.2	2,963	20.1	13.0	7.2	20.1	15.5	4.6	344
Other backward class	16.2	9.0	7.2	31.5	22.4	9.2	15,777	13.8	7.8	6.1	31.2	25.9	5.3	2,123
Other	15.1	8.3	6.8	34.2	22.5	11.7	3,121	12.0	8.3	3.7	32.8	26.3	6.5	542
Don't know	17.7	8.9	8.8	31.1	19.6	11.5	165	*	*	*	*	*	*	7
Total age 15-49	17.2	9.5	7.7	30.1	21.6	8.5	27,941	14.3	8.4	6.0	30.9	25.0	5.8	3,746
Age 50-54	na	na	na	na	na	na	na	8.2	5.9	2.3	36.2	29.6	6.6	359
Total age 15-54	na	na	na	na	na	na	na	13.8	8.1	5.6	31.3	25.4	5.9	4,106
<b>Age 15-49</b>														
NFHS-4 (2015-16)	20.7	11.5	9.2	23.2	16.7	6.5	24,661	16.5	10.0	6.6	22.1	17.5	4.6	3,519

Note: The body mass index (BMI) is expressed as the ratio of weight in kilograms to the square of height in metres (kg/m<sup>2</sup>). Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

<sup>1</sup> Excludes pregnant women and women with a birth in the preceding 2 months

Table 79. Waist circumference and waist-to-hip ratio

Among women and men age 15-49, percentage with specific waist circumferences and waist-to-hip ratios, by background characteristics, Karnataka, 2019-20

Background characteristic	Women						Men					
	Waist circumference			Waist-to-hip ratio			Waist circumference			Waist-to-hip ratio		
	Normal (>80 cm)	Increased risk of metabolic complications (>88 cm)	Substantially increased risk of metabolic complications (>88 cm)	Normal (≥0.85)	Substantially increased risk of metabolic complications (≥0.85)	Number of women	Normal (>94 cm)	Increased risk of metabolic complications (>94 cm)	Substantially increased risk of metabolic complications (>102 cm)	Normal (≥0.90)	Substantially increased risk of metabolic complications (≥0.90)	Number of men
<b>Age</b>												
15-19	87.6	12.4	3.8	65.3	34.7	3,992	2.3	0.3	84.1	15.9	576	
20-29	68.3	31.7	12.6	57.8	42.2	8,157	6.5	2.0	67.8	32.2	1,038	
30-39	52.1	47.9	21.2	52.5	47.5	8,470	16.2	5.8	52.1	47.9	1,162	
40-49	44.8	55.2	27.4	49.2	50.8	7,300	20.5	5.9	51.0	49.0	968	
<b>Marital status</b>												
Never married	83.1	16.9	5.9	64.0	36.0	6,129	5.3	1.8	75.7	24.3	1,557	
Currently married	53.7	46.3	21.3	52.7	47.3	19,960	17.6	5.4	50.4	49.6	2,155	
Widowed/divorced/separated/deserted	51.1	48.9	20.2	50.7	49.3	1,830	(18.7)	(8.1)	(67.2)	(32.8)	32	
<b>Residence</b>												
Urban	54.2	45.8	22.5	53.3	46.7	11,085	15.1	5.5	58.8	41.2	1,512	
Rural	63.8	36.2	14.8	56.2	43.8	16,834	10.7	2.9	62.6	37.4	2,231	
<b>Schooling</b>												
No schooling	58.5	41.5	16.8	54.8	45.2	5,596	11.8	6.5	57.0	43.0	411	
<5 years complete	52.2	47.8	23.6	50.9	49.1	1,524	15.0	5.2	49.5	50.5	216	
5-9 years complete	59.0	41.0	19.3	53.4	46.6	7,099	10.6	3.1	62.5	37.5	1,019	
10-11 years complete	61.1	38.9	17.1	55.8	44.2	6,318	13.3	3.9	62.9	37.1	853	
12 or more years complete	62.7	37.3	16.7	57.0	43.0	7,382	13.2	3.6	62.0	38.0	1,245	
<b>Religion</b>												
Hindu	60.8	39.2	17.0	55.4	44.6	24,129	12.6	4.2	60.5	39.5	3,292	
Muslim	54.7	45.3	23.4	53.5	46.5	3,173	10.6	2.0	66.2	33.8	379	
Christian	50.9	49.1	27.1	45.0	55.0	434	(26.1)	(4.7)	(46.2)	(53.8)	46	
Other	68.1	31.9	12.2	58.8	41.2	184	*	*	*	*	27	

Continued...

Table 79 Waist circumference and waist-to-hip ratio—Continued

Among women and men age 15-49, percentage with specific waist circumferences and waist-to-hip ratios, by background characteristics, Karnataka, 2019-20

Background characteristic	Women						Men					
	Waist circumference			Waist-to-hip ratio			Waist circumference			Waist-to-hip ratio		
	Normal (>80 cm)	Increased risk of metabolic complications (>88 cm)	Substantially increased risk of metabolic complications (>88 cm)	Normal (≥0.85)	Substantially increased risk of metabolic complications (≥0.85)	Substantially increased risk of metabolic complications (≥0.85)	Normal (>94 cm)	Increased risk of metabolic complications (>94 cm)	Substantially increased risk of metabolic complications (>102 cm)	Normal (≥0.90)	Substantially increased risk of metabolic complications (≥0.90)	Number of men
<b>Caste/tribe</b>												
Scheduled caste	61.3	38.7	16.8	54.8	45.2	5,913	86.8	13.2	3.7	56.9	43.1	727
Scheduled tribe	71.1	28.9	10.4	60.7	39.3	2,960	93.2	6.8	2.8	63.6	36.4	344
Other backward class	59.0	41.0	18.5	54.8	45.2	15,763	87.4	12.6	3.9	61.7	38.3	2,122
Other	52.3	47.7	23.2	51.5	48.5	3,119	85.5	14.5	5.1	63.1	36.9	543
Don't know	56.4	43.6	20.9	52.5	47.5	165	*	*	*	*	*	7
<b>Total</b>	<b>60.0</b>	<b>40.0</b>	<b>17.8</b>	<b>55.0</b>	<b>45.0</b>	<b>27,919</b>	<b>87.5</b>	<b>12.5</b>	<b>3.9</b>	<b>61.1</b>	<b>38.9</b>	<b>3,744</b>

Note: Table excludes pregnant women and women with a birth in the preceding 2 months. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

Table 80 Prevalence of anaemia in adults

Percentage of women and men age 15-49 with anaemia by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Women				Men					
	Mild (11.0-11.9 g/dl) <sup>1</sup>	Moderate (8.0-10.9 g/dl) <sup>2</sup>	Severe (<8.0 g/dl) <sup>3</sup>	Any anaemia (<12.0 g/dl) <sup>4</sup>	Number of women	Mild (12.0-12.9 g/dl)	Moderate (9.0-11.9 g/dl)	Severe (<9.0 g/dl)	Any anaemia (<13.0 g/dl)	Number of men
<b>Age</b>										
15-19	23.4	23.6	2.4	49.4	4,077	13.1	12.4	1.0	26.5	565
20-29	22.0	23.3	2.3	47.6	8,923	8.6	6.9	0.4	15.9	1,027
30-39	22.3	21.2	3.5	47.0	8,576	9.6	7.5	0.7	17.9	1,139
40-49	21.4	23.2	3.4	48.0	7,148	9.1	11.0	1.5	21.7	943
<b>Marital status</b>										
Never married	22.7	22.5	2.8	48.0	6,088	10.9	8.6	0.8	20.3	1,538
Currently married	21.9	22.6	2.9	47.4	20,850	8.9	9.3	0.9	19.1	2,107
Widowed/divorced/ separated/deserted	22.5	24.3	4.2	51.1	1,786	(8.2)	(12.5)	(2.4)	(23.1)	29
<b>Maternity status</b>										
Pregnant	23.2	21.7	0.9	45.7	930	na	na	na	na	na
Breastfeeding	22.4	21.0	1.6	45.0	2,875	na	na	na	na	na
Neither	22.1	22.9	3.2	48.2	24,920	na	na	na	na	na
<b>Residence</b>										
Urban	21.3	20.4	2.2	43.9	11,321	9.5	7.5	0.3	17.3	1,480
Rural	22.7	24.2	3.4	50.3	17,404	9.9	10.0	1.3	21.2	2,195
<b>Schooling</b>										
No schooling	22.9	25.1	4.1	52.1	5,608	12.4	10.5	1.0	23.8	407
<5 years complete	24.8	22.6	4.2	51.6	1,522	10.0	7.3	0.7	18.0	215
5-9 years complete	22.0	23.8	3.1	48.9	7,268	11.1	10.8	0.9	22.8	998
10-11 years complete	22.1	22.7	3.0	47.7	6,567	7.6	9.8	1.2	18.5	841
12 or more years complete	21.2	19.9	1.7	42.8	7,760	9.2	6.8	0.7	16.6	1,214
<b>Religion</b>										
Hindu	22.3	22.8	3.1	48.2	24,810	10.0	9.0	0.9	19.9	3,226
Muslim	21.5	21.5	2.3	45.3	3,286	8.4	10.6	0.8	19.8	376
Christian	19.1	25.8	2.2	47.1	439	(2.3)	(2.0)	(0.0)	(4.3)	46
Other	19.8	19.5	0.3	39.7	190	*	*	*	*	27

Continued...

Table 80 Prevalence of anaemia in adults—Continued

Percentage of women and men age 15-49 with anaemia by background characteristics, Karnataka, 2019-20, and total for NFHS-4

Background characteristic	Women					Men				
	Mild (11.0-11.9 g/dl) <sup>1</sup>	Moderate (8.0-10.9 g/dl) <sup>2</sup>	Severe (<8.0 g/dl) <sup>3</sup>	Any anaemia (<12.0 g/dl) <sup>4</sup>	Number of women	Mild (12.0-12.9 g/dl)	Moderate (9.0-11.9 g/dl)	Severe (<9.0 g/dl)	Any anaemia (<13.0 g/dl)	Number of men
<b>Caste/tribe</b>										
Scheduled caste	22.2	24.8	3.8	50.8	6,088	10.2	9.5	0.6	20.3	722
Scheduled tribe	21.0	21.6	3.6	46.2	3,068	9.7	8.7	1.5	19.9	340
Other backward class	22.6	22.5	2.7	47.7	16,219	10.0	8.4	0.9	19.2	2,070
Other	20.9	20.8	1.8	43.6	3,179	8.1	10.4	1.0	19.5	536
Don't know	25.2	17.5	3.1	45.9	169	*	*	*	*	7
<b>Smoking status</b>										
Smokes cigarettes/ <i>bidis</i>	*	*	*	*	24	9.2	7.5	1.6	18.3	534
Does not smoke cigarettes/ <i>bidis</i>	22.2	22.7	2.9	47.8	28,700	9.8	9.3	0.8	19.9	3,141
Total age 15-49	22.1	22.7	2.9	47.8	28,725	9.7	9.0	0.9	19.6	3,675
Age 50-54	na	na	na	na	na	12.0	13.5	1.4	26.9	350
Total age 15-54	na	na	na	na	na	9.9	9.4	0.9	20.3	4,025
<b>Age 15-49</b>										
NFHS-4 (2015-16)	21.0	21.4	2.4	44.8	25,556	8.5	8.3	1.4	18.2	3,506

Note: Table is based on women and men who stayed in the household the night before the interview. Prevalence is adjusted for altitude and for smoking status, if known, using the CDC formulae (Centers for Disease Control (CDC), 1998. Recommendations to prevent and control iron deficiency in the United States. *Morbidity and Mortality Weekly Report* 47 (RR-3): 1-29). Haemoglobin levels are shown in grams per decilitre (g/dl). Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

<sup>1</sup> For pregnant women the value is 10.0-10.9 g/dl

<sup>2</sup> For pregnant women, the value is 7.0-9.9 g/dl

<sup>3</sup> For pregnant women, the value is <7.0 g/dl

<sup>4</sup> For pregnant women the value is <11.0 g/dl

**Table 81 Nutritional status and anaemia among children and women by district**

Percentage of children age 6-59 months classified as having anaemia and percentage of women age 15-49 years with anaemia and specific body mass index (BMI) levels by district, Karnataka, 2019-20

District	Percentage of children having any anaemia (<11.0 g/dl)	Number of children	Percentage of women having any anaemia (<12.0 g/dl) <sup>1</sup>	Number of women	Percentage of women with BMI <18.5 (total thin)	Percentage of women with BMI ≥25.0 (overweight or obese)	Number of women <sup>2</sup>
Bagalkot	63.8	197	48.0	886	17.1	28.6	852
Bangalore	58.9	600	35.5	3,814	10.0	40.1	3,743
Bangalore Rural	60.8	90	44.2	458	14.1	33.2	440
Belgaum	72.7	621	52.9	2,393	22.2	23.8	2,328
Bellary	67.5	222	58.1	1,211	22.2	27.3	1,179
Bidar	69.3	234	55.9	874	24.9	20.8	831
Bijapur	65.2	236	52.9	928	18.1	27.4	898
Chamarajanagar	68.7	95	46.3	544	17.9	30.5	534
Chikkaballapura	59.0	101	45.5	511	22.6	26.6	498
Chikmagalur	53.2	96	40.8	526	14.2	33.2	518
Chitradurga	61.1	146	44.6	677	14.5	37.4	658
Dakshina Kannada	51.1	167	38.8	970	12.6	22.2	949
Davanagere	70.2	166	51.7	853	15.9	38.1	837
Dharwad	67.2	207	52.1	1,000	17.3	33.8	959
Gadag	70.3	148	50.5	580	18.9	30.6	565
Gulbarga	75.1	290	56.0	1,185	20.8	21.8	1,149
Hassan	63.6	143	42.2	910	11.1	36.1	879
Haveri	66.9	184	50.8	736	19.9	29.1	717
Kodagu	54.4	52	39.8	235	12.0	34.7	229
Kolar	57.9	152	43.6	689	17.8	27.9	673
Koppal	70.7	168	54.8	589	24.9	21.9	574
Mandya	58.2	120	47.0	749	13.7	38.7	738
Mysore	57.2	328	48.0	1,769	14.7	36.4	1,728
Raichur	73.6	210	60.4	1,018	23.3	19.9	964
Ramanagara	60.2	71	45.5	452	13.2	36.5	446
Shimoga	68.9	171	41.9	849	15.0	30.3	827
Tumkur	67.6	287	49.3	1,304	15.2	30.4	1,286
Udupi	58.3	119	47.3	582	23.8	22.9	570
Uttara Kannada	69.0	133	44.6	794	18.4	22.6	767
Yadgir	76.0	129	57.3	640	26.0	18.8	602
Karnataka	65.5	5,879	47.8	28,725	17.2	30.1	27,941

Note: Table is based on children who stayed in the household the night before the interview. Prevalence of anaemia, based on haemoglobin levels, is adjusted for altitude using the CDC formula (Centers for Disease Control (CDC). 1998. Recommendations to prevent and control iron deficiency in the United States. *Morbidity and Mortality Weekly Report* 47 (RR-3): 1-29). Haemoglobin levels shown in grams per decilitre (g/dl). The body mass index (BMI) is expressed as the ratio of weight in kilograms to the square of height in metres (kg/m<sup>2</sup>).

<sup>1</sup> For pregnant women, the value is <11.0 g/dl

<sup>2</sup> Excludes pregnant women and women with a birth in the preceding 2 months

Table 82. Knowledge and prevention of HIV/AIDS

Percentage of women and men age 15-49 who have heard of HIV or AIDS and who, in response to prompted questions, say that people can reduce the risk of getting HIV/AIDS by using condoms every time they have sexual intercourse, who know that the risk of getting HIV/AIDS can be reduced by limiting sex to one uninfected partner, who have a comprehensive knowledge about HIV/AIDS, and who know that HIV/AIDS can be transmitted from a mother to her baby, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who have heard of HIV or AIDS		Percentage who say that people can reduce their chances of getting HIV/AIDS by using a condom every time they have sex		Percentage who know that the risk of getting HIV/AIDS can be reduced by limiting sex to one uninfected sex partner <sup>1</sup>		Percentage who have a comprehensive knowledge about HIV/AIDS <sup>2</sup>		Percentage who know that HIV/AIDS can be transmitted from a mother to her baby		Number	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
<b>Age</b>												
15-24	97.8	97.5	81.8	86.1	82.1	81.8	26.8	24.4	93.2	90.2	1,326	1,207
15-19	97.5	96.8	81.0	85.3	82.1	81.1	26.5	24.7	92.4	89.8	632	625
20-24	98.1	98.3	82.5	87.0	82.2	82.7	27.0	24.0	94.0	90.8	694	582
25-29	97.0	98.4	80.9	86.4	81.6	80.6	25.8	29.9	93.5	92.3	684	581
30-39	96.9	98.8	80.0	88.2	82.8	84.1	25.6	28.3	92.8	93.9	1,301	1,256
40-49	97.2	98.7	74.9	90.2	79.2	84.6	19.7	25.1	91.1	94.1	1,143	1,076
<b>Residence</b>												
Urban	99.3	99.0	84.2	88.7	85.6	87.5	30.0	28.0	96.3	95.7	1,794	1,718
Rural	95.9	97.8	76.1	87.2	78.7	79.9	20.7	25.5	90.1	90.5	2,660	2,402
<b>Schooling</b>												
No schooling	94.2	96.2	68.5	78.9	72.6	72.4	17.6	20.4	87.9	90.5	900	443
<5 years complete	94.5	96.3	71.9	85.5	68.9	79.0	12.7	18.6	86.9	89.6	250	234
5-7 years complete	96.3	97.9	80.2	82.8	79.6	80.5	22.7	21.3	92.3	88.9	617	509
8-9 years complete	97.3	97.0	77.2	85.9	81.4	80.3	18.6	22.8	92.1	88.6	463	605
10-11 years complete	98.6	99.2	83.9	91.2	85.2	86.5	27.7	26.2	94.4	94.5	994	943
12 or more years complete	99.4	99.5	85.5	91.5	88.5	87.0	32.3	33.6	96.0	95.8	1,231	1,386
<b>Regular media exposure<sup>3</sup></b>												
Yes	98.1	98.9	81.3	88.7	83.6	84.0	24.9	27.6	93.8	93.8	3,526	3,581
No	94.1	94.3	72.1	82.3	73.6	77.2	22.8	19.5	87.9	85.3	929	539

Continued...

Table 82 Knowledge and prevention of HIV/AIDS—Continued

Percentage of women and men age 15-49 who have heard of HIV or AIDS and who, in response to prompted questions, say that people can reduce the risk of getting HIV/AIDS by using condoms every time they have sexual intercourse, who know that the risk of getting HIV/AIDS can be reduced by limiting sex to one uninfected partner, who have a comprehensive knowledge about HIV/AIDS, and who know that HIV/AIDS can be transmitted from a mother to her baby, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who have heard of HIV or AIDS		Percentage who say that people can reduce their chances of getting HIV/AIDS by using a condom every time they have sex		Percentage who know that the risk of getting HIV/AIDS can be reduced by limiting sex to one uninfected sex partner <sup>1</sup>		Percentage who have a comprehensive knowledge about HIV/AIDS <sup>2</sup>		Percentage who know that HIV/AIDS can be transmitted from a mother to her baby		Number	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
<b>Marital status</b>												
Never married	97.9	98.0	83.2	87.0	82.6	82.6	28.1	26.5	93.4	91.6	999	1,728
Currently married	97.1	98.6	78.8	88.4	81.2	83.4	23.2	26.8	92.6	93.4	3,180	2,358
Widowed/divorced/separated/deserted	97.1	(98.0)	71.9	(93.4)	80.8	(86.1)	25.4	(12.1)	89.6	(94.9)	276	34
<b>Whether been away from home for 1 month or more at a time in the past 12 months<sup>4</sup></b>												
Been away	98.9	98.7	78.9	78.0	90.4	84.4	24.2	22.4	98.3	95.2	372	687
Not been away	97.1	98.3	79.4	89.8	80.7	82.8	24.5	27.4	92.1	92.2	4,083	3,433
<b>Whether been away from home for 6 months or more at a time in the past 12 months<sup>4</sup></b>												
Been away	96.8	99.1	79.0	74.9	86.1	84.8	20.5	24.0	94.0	97.5	335	377
Not been away	97.3	98.2	79.4	89.2	81.1	82.9	24.8	26.8	92.5	92.2	4,120	3,743
<b>Religion</b>												
Hindu	97.5	98.6	79.5	87.7	82.1	83.6	24.9	26.5	92.7	92.7	3,881	3,624
Muslim	94.6	95.4	77.2	87.1	74.8	76.8	20.2	24.8	89.9	91.0	460	422
Christian	100.0	(100.0)	81.8	(97.3)	90.4	(91.1)	32.1	(22.1)	98.0	(98.5)	78	46

Continued...



**Table 82 Knowledge and prevention of HIV/AIDS—Continued**

Percentage of women and men age 15-49 who have heard of HIV or AIDS and who, in response to prompted questions, say that people can reduce the risk of getting HIV/AIDS by using condoms every time they have sexual intercourse, who know that the risk of getting HIV/AIDS can be reduced by limiting sex to one uninfected partner, who have a comprehensive knowledge about HIV/AIDS, and who know that HIV/AIDS can be transmitted from a mother to her baby, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who have heard of HIV or AIDS		Percentage who say that people can reduce their chances of getting HIV/AIDS by using a condom every time they have sex				Percentage who know that HIV/AIDS can be reduced by limiting sex to one uninfected sex partner <sup>1</sup>		Percentage who have a comprehensive knowledge about HIV/AIDS <sup>2</sup>		Percentage who know that HIV/AIDS can be transmitted from a mother to her baby		Number	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
<b>Caste/tribe</b>														
Scheduled caste	96.7	99.1	78.9	89.0	79.9	82.3	23.3	24.9	91.6	95.4	937	796		
Scheduled tribe	96.9	96.9	79.4	75.8	78.6	77.0	32.8	14.5	92.7	89.8	426	370		
Other backward class	97.5	98.4	80.0	89.3	82.7	83.7	24.9	27.1	92.8	92.0	2,686	2,351		
Other	97.3	97.9	75.7	88.2	80.6	85.2	14.9	34.2	93.0	93.1	373	595		
Total	97.3	98.3	79.4	87.8	81.5	83.1	24.5	26.6	92.6	92.7	4,454	4,120		

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women/men belonging to other religions and women/men who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Partner who has no other partners

<sup>2</sup> Comprehensive knowledge means knowing that consistent use of a condom every time they have sex and having just one uninfected faithful sex partner can reduce the chance of getting HIV/AIDS, knowing that a healthy-looking person can have HIV/AIDS, and rejecting two common misconceptions about transmission or prevention of HIV/AIDS.

<sup>3</sup> Exposure to radio, television, or newspapers/magazines at least once a week or cinema at least once a month

<sup>4</sup> For women, visits to parental/in-laws' home excluded

Table 83.1 Accepting attitudes toward those living with HIV/AIDS: Women

Among women age 15-49 who have heard of HIV or AIDS, percentage expressing specific accepting attitudes toward people with HIV/AIDS, by background characteristic, Karnataka, 2019-20

Background characteristic	Percentage of women who:										Number of women who have heard of HIV or AIDS	
	Are willing to care for a relative with HIV/AIDS in own home	Would buy fresh vegetables from a shopkeeper or vendor who has HIV/AIDS	Say that a female teacher who has HIV/AIDS but is not sick should be allowed to continue teaching	Would not want to keep secret that a family member got infected with HIV/AIDS	Would allow an HIV positive student to attend school with students who are HIV negative	Think that people living with HIV/AIDS should be treated in the same public hospital as persons who are HIV negative	Think that people living with HIV should be allowed to work in the same office with people who are HIV negative	Express accepting attitudes on all seven indicators				
<b>Age</b>												
15-24	73.3	70.0	80.0	36.9	77.0	75.0	78.8	12.9	1,297			
15-19	72.2	65.8	81.2	36.8	76.7	73.9	78.5	11.6	616			
20-24	74.3	73.9	78.9	37.0	77.2	76.0	79.1	14.2	681			
25-29	74.5	72.9	82.3	38.1	80.2	75.5	82.4	14.8	663			
30-39	76.0	67.8	80.7	39.0	75.1	71.6	77.9	13.1	1,261			
40-49	71.2	68.7	76.4	33.3	73.3	71.9	73.8	9.2	1,111			
<b>Residence</b>												
Urban	75.2	75.4	84.0	34.5	79.1	76.7	84.0	12.1	1,782			
Rural	72.6	65.3	76.6	38.4	73.8	70.9	73.5	12.5	2,550			
<b>Schooling</b>												
No schooling	67.3	60.9	71.7	35.9	65.5	65.2	67.5	8.0	848			
<5 years complete	69.8	59.8	76.1	40.0	72.1	68.4	74.2	8.9	236			
5-7 years complete	72.8	66.2	79.7	36.1	76.1	72.9	79.1	12.0	594			
8-9 years complete	71.7	67.3	75.2	38.8	73.9	72.1	74.8	14.3	450			
10-11 years complete	75.5	72.7	82.6	34.4	80.5	74.3	80.2	12.1	980			
12 or more years complete	78.7	77.1	85.2	38.2	81.0	79.6	84.2	15.5	1,224			
<b>Regular media exposure<sup>1</sup></b>												
Yes	75.2	71.7	81.7	36.3	79.0	75.9	79.8	13.7	3,459			
No	67.8	60.7	71.5	38.5	64.1	62.8	69.8	6.9	874			

Continued...

Table 83.1 Accepting attitudes toward those living with HIV/AIDS: Women—Continued

Among women age 15-49 who have heard of HIV or AIDS, percentage expressing specific accepting attitudes toward people with HIV/AIDS, by background characteristic, Karnataka, 2019-20

Background characteristic	Percentage of women who:							Number of women who have heard of HIV or AIDS
	Are willing to care for a relative with HIV/AIDS in own home	Would buy fresh vegetables from a shopkeeper or vendor who has HIV/AIDS	Say that a female teacher who has HIV/AIDS but is not sick should be allowed to continue teaching	Would not want to keep secret that a family member got infected with HIV/AIDS	Would allow an HIV positive student to attend school with students who are HIV negative	Think that people living with HIV/AIDS should be treated in the same public hospital as persons who are HIV negative	Think that people living with HIV should be allowed to work in the same office with people who are HIV negative	
<b>Marital status</b>								
Never married	75.1	72.5	83.0	37.7	80.1	77.0	80.9	14.3
Currently married	73.8	69.4	79.3	36.5	75.2	72.3	77.2	11.9
Widowed/divorced/separated/deserted	67.7	60.0	71.8	36.4	70.5	71.4	73.3	10.2
<b>Religion</b>								
Hindu	73.7	70.1	79.2	38.2	75.4	72.8	77.3	12.9
Muslim	69.8	62.9	80.9	27.6	77.5	74.0	78.8	7.8
Christian	88.6	83.4	90.4	19.1	89.2	88.4	90.0	11.8
<b>Caste/tribe</b>								
Scheduled caste	77.4	70.1	81.4	35.5	76.4	76.9	78.9	15.4
Scheduled tribe	74.3	66.7	77.3	37.5	72.1	71.8	74.6	15.1
Other backward class	72.8	69.0	79.4	38.9	76.1	72.3	77.7	11.9
Other	69.0	73.4	79.6	26.0	77.4	72.0	79.0	5.5
<b>Total</b>	<b>73.7</b>	<b>69.5</b>	<b>79.7</b>	<b>36.8</b>	<b>76.0</b>	<b>73.3</b>	<b>77.8</b>	<b>12.3</b>

Note: Total includes women belonging to other religions and women who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Exposure to radio, television, or newspapers/magazines at least once a week or cinema at least once a month

**Table 83.2 Accepting attitudes toward those living with HIV/AIDS: Men**

Among men age 15-49 who have heard of HIV or AIDS, percentage expressing specific accepting attitudes toward people with HIV/AIDS, by background characteristic, Karnataka, 2019-20

Background characteristic	Percentage of men who:							Number of men who have heard of HIV or AIDS
	Are willing to care for a relative with HIV/AIDS in own home	Would buy fresh vegetables from a shopkeeper or vendor who has HIV/AIDS	Say that a female teacher who has HIV/AIDS but is not sick should be allowed to continue teaching	Would not want to keep secret that a family member got infected with HIV/AIDS	Would allow an HIV positive student to attend school with students who are HIV negative	Think that people living with HIV/AIDS should be treated in the same public hospital as persons who are HIV negative	Think that people living with HIV should be allowed to work in the same office with people who are HIV negative	
<b>Age</b>								
15-24	79.7	74.5	85.2	34.9	83.9	71.0	84.9	1,177
15-19	76.6	68.8	84.0	32.6	78.9	71.1	84.9	605
20-24	82.9	80.6	86.5	37.4	89.3	70.9	84.9	572
25-29	75.3	74.4	86.6	39.2	85.6	74.1	81.7	571
30-39	78.8	76.5	84.6	32.6	85.4	74.8	82.9	1,241
40-49	79.6	73.6	87.7	28.0	84.7	74.1	83.5	1,062
<b>Residence</b>								
Urban	78.6	77.3	86.9	32.9	85.5	71.1	84.7	1,701
Rural	78.9	73.0	85.1	33.1	84.3	75.1	82.6	2,350
<b>Schooling</b>								
No schooling	71.5	69.6	83.6	32.4	82.3	79.4	80.8	426
<5 years complete	80.3	68.4	87.3	34.9	89.0	72.6	82.3	225
5-7 years complete	76.0	66.8	81.3	31.7	78.7	67.8	80.1	498
8-9 years complete	74.0	69.5	82.9	35.6	79.1	73.6	81.7	586
10-11 years complete	80.3	78.3	87.8	29.6	85.4	69.9	84.5	935
12 or more years complete	82.7	80.4	88.0	34.5	89.3	76.1	85.8	1,379
<b>Regular media exposure<sup>1</sup></b>								
Yes	79.5	75.6	86.7	33.5	85.3	73.5	84.2	3,542
No	73.3	69.6	80.0	29.2	81.6	73.1	78.1	508

Continued...

Table 83.2 Accepting attitudes toward those living with HIV/AIDS: Men—Continued

Background characteristic	Percentage of men who:							Number of men who have heard of HIV or AIDS
	Are willing to care for a relative with HIV/AIDS in own home	Would buy fresh vegetables from a shopkeeper or vendor who has HIV/AIDS	Say that a female teacher who has HIV/AIDS but is not sick should be allowed to continue teaching	Would not want to keep secret that a family member got infected with HIV/AIDS	Would allow an HIV positive student to attend school with students who are HIV negative	Think that people living with HIV/AIDS should be treated in the same public hospital as persons who are HIV negative	Think that people living with HIV should be allowed to work in the same office with people who are HIV negative	
<b>Marital status</b>								
Never married	79.5	76.3	85.6	36.1	85.3	72.2	84.2	16.9
Currently married	78.3	74.1	86.2	30.8	84.7	74.3	83.2	12.7
Widowed/divorced/separated/deserted	(72.8)	(57.6)	(76.9)	(26.4)	(72.9)	(72.9)	(62.4)	(8.0)
<b>Religion</b>								
Hindu	78.4	74.1	85.7	33.3	84.6	73.1	83.3	14.4
Muslim	79.8	77.9	86.3	24.9	86.7	76.4	83.6	9.6
Christian	(92.6)	(87.8)	(85.0)	(72.4)	(81.6)	(59.3)	(87.6)	(37.1)
<b>Caste/tribe</b>								
Scheduled caste	75.7	70.1	82.4	33.7	83.0	66.5	77.5	12.7
Scheduled tribe	78.2	70.3	85.1	42.2	84.8	77.7	82.8	21.3
Other backward class	78.0	74.7	86.7	32.3	84.5	73.5	85.0	13.4
Other	86.1	84.7	87.7	29.5	88.8	80.0	85.8	16.5
Total	78.8	74.8	85.9	33.0	84.8	73.4	83.5	14.4

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes men belonging to other religions and men who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Exposure to radio, television, or newspapers/magazines at least once a week or cinema at least once a month

**Table 84 Sexual behaviour, HIV testing, blood transfusion, and injections**

Indicators of higher-risk sexual behaviour, use of blood transfusion, prior HIV testing, and any injections for women and men age 15-49 by residence, Karnataka, 2019-20

Behaviour	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Among those who had sexual intercourse in the past 12 months:</b>									
Percentage who had two or more partners in the past 12 months	0.8	1.7	1.3	2.2	1.2	1.6	1.6	1.4	1.5
Percentage who had higher-risk intercourse in the past 12 months <sup>1</sup>	10.5	1.0	5.2	8.0	0.6	3.7	9.0	0.7	4.3
Percentage who had two or more partners and higher-risk intercourse in the past 12 months <sup>1</sup>	0.6	0.8	0.7	1.4	0.4	0.8	1.1	0.5	0.8
Number who had sexual intercourse in the past 12 months	829	1,063	1,892	1,255	1,672	2,927	2,084	2,735	4,819
<b>Among those who had higher-risk sexual intercourse in the past 12 months:</b>									
Percentage who reported using a condom at last higher-risk intercourse <sup>1</sup>	49.2	*	51.5	49.5	*	52.0	49.4	*	51.8
Number who had higher-risk sexual intercourse in the past 12 months	87	11	98	100	9	109	187	20	207
<b>Among those who have ever had sexual intercourse:</b>									
Mean number of sexual partners in lifetime	2.1	1.1	1.6	3.0	1.2	2.0	2.7	1.2	1.8
Number who have ever had sexual intercourse	965	1,240	2,205	1,466	2,060	3,527	2,431	3,300	5,731
<b>Among all men:</b>									
Percentage who paid for sexual intercourse in the past 12 months	4.3	na	na	3.6	na	na	3.9	na	na
Number of men	1,718	na	na	2,402	na	na	4,120	na	na
<b>Among men who paid for sexual intercourse in the past 12 months, percentage reporting condom use at last paid intercourse</b>									
Percentage reporting condom use at last paid intercourse	55.1	na	na	51.7	na	na	53.2	na	na
Number of men who paid for sexual intercourse in the past 12 months	74	na	na	86	na	na	160	na	na
<b>Among women with a birth in the last 5 years who received ANC during pregnancy, percentage who were tested for HIV during ANC</b>									
Percentage who were tested for HIV during ANC	na	40.2	na	na	47.0	na	na	44.6	na
Number of women with a birth in the last 5 years who received ANC during pregnancy	na	321	na	na	581	na	na	902	na
Percentage ever tested for HIV prior to NFHS-5	13.8	36.9	25.6	14.1	35.5	25.3	14.0	36.1	25.5
Percentage who have ever had a blood transfusion	17.6	9.2	13.3	15.0	8.7	11.7	16.1	8.9	12.3
Percentage who received any injection in the past 12 months	68.8	78.7	73.9	76.3	78.1	77.3	73.2	78.4	75.9
Mean number of injections in the past 12 months	3.6	3.5	3.5	4.0	3.9	3.9	3.8	3.7	3.8
Number of respondents	1,718	1,794	3,512	2,402	2,660	5,062	4,120	4,454	8,574
<b>Among those who received an injection in the past 12 months, percentage for whom for the last injection, a disposable syringe was used</b>									
Percentage for whom for the last injection, a disposable syringe was used	93.4	90.8	92.0	93.4	91.2	92.2	93.4	91.0	92.1
Number who received an injection in the past 12 months	1,182	1,412	2,594	1,832	2,079	3,911	3,014	3,490	6,505

Note: An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

ANC = Antenatal care

<sup>1</sup> Sexual intercourse with a partner who was neither a spouse nor who lived with the respondent

**Table 85 Knowledge of HIV/AIDS and sexual behaviour among youth**

Indicators of HIV/AIDS knowledge and sexual behaviour for women and men age 15-24 by residence, Karnataka, 2019-20

Knowledge and behaviour	Urban			Rural			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Knowledge</b>									
Percentage with comprehensive knowledge about HIV/AIDS <sup>1</sup>	25.7	33.6	29.8	23.3	22.1	22.7	24.4	26.8	25.6
Percentage who know a condom source	95.5	80.8	88.0	91.2	65.8	77.7	93.0	71.9	81.9
<b>Sexual behaviour</b>									
Percentage who have ever had sexual intercourse	8.4	25.2	17.0	10.8	42.3	27.6	9.8	35.4	23.2
Percentage who had sexual intercourse before age 15	0.0	1.0	0.5	0.3	2.6	1.5	0.2	2.0	1.1
<b>HIV testing, injections, and blood transfusion</b>									
Percentage ever tested for HIV prior to NFHS-5	6.5	19.4	13.1	8.7	29.6	19.8	7.8	25.5	17.0
Percentage who have ever had a blood transfusion	10.4	6.3	8.3	9.0	7.3	8.1	9.6	6.9	8.2
Percentage who received any injection in the past 12 months	71.9	79.4	75.7	78.5	75.0	76.6	75.7	76.8	76.2
Mean number of injections in the past 12 months	3.3	3.1	3.2	3.3	3.4	3.3	3.3	3.3	3.3
Number age 15-24	515	537	1,052	692	789	1,481	1,207	1,326	2,532
Among those who received an injection in the past 12 months, percentage for whom a disposable syringe was used	93.7	90.7	92.1	92.9	91.8	92.3	93.2	91.4	92.2
Number who received an injection in the past 12 months	370	426	796	543	592	1,135	913	1,018	1,931
Among those who have ever had sexual intercourse, percentage who used a condom at first sexual intercourse	(16.3)	30.4	27.2	56.5	17.6	24.6	41.6	21.5	25.4
Number who have ever had sexual intercourse	44	152	196	75	342	416	119	493	612
Among those who had sexual intercourse in the past 12 months, percentage who had higher-risk sexual intercourse in the past 12 months <sup>2</sup>	*	0.8	18.6	(55.5)	0.0	7.0	68.6	0.2	10.8
Number who had sexual intercourse in the past 12 months	34	127	162	42	288	330	76	415	491
Among those who had higher-risk sexual intercourse in the past 12 months, percentage who used a condom at their last higher-risk sexual intercourse	*	*	*	(74.9)	nc	(74.9)	(51.1)	*	(52.0)
Number who had higher-risk sexual intercourse in the past 12 months	29	1	30	23	0	23	52	1	53
<b>Among the never married:</b>									
Percentage who have never had sexual intercourse	92.5	98.1	94.9	92.2	98.7	94.8	92.3	98.4	94.9
Percentage who had sexual intercourse in the past 12 months	5.6	0.2	3.3	3.7	0.1	2.3	4.5	0.2	2.7
Number never married	509	393	902	668	453	1,121	1,177	846	2,023

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

nc = No cases

<sup>1</sup> Comprehensive knowledge means knowing that consistent use of condoms every time they have sex and having just one uninfected faithful sex partner can reduce the chance of getting HIV/AIDS, knowing that a healthy-looking person can have HIV/AIDS, and rejecting two common misconceptions about transmission or prevention of HIV/AIDS

<sup>2</sup> Sexual intercourse with a partner who was neither a spouse nor lived with the respondent

**Table 86 Prevalence of tuberculosis**

Number of persons per 100,000 usual household residents suffering from any tuberculosis and medically treated tuberculosis by age, sex, and main type of cooking fuel, according to residence, Karnataka, 2019-20

Age and sex	Number of persons per 100,000 suffering from:		
	Tuberculosis <sup>1</sup>	Medically treated tuberculosis <sup>2</sup>	Number of usual residents
<b>URBAN</b>			
<b>Sex</b>			
Female	219	212	22,571
Male	131	129	22,056
<b>Age</b>			
<15	265	265	9,924
15-59	127	120	29,362
60 or more	277	277	5,342
<b>Cooking fuel</b>			
Solid fuel <sup>3</sup>	390	354	2,336
Other fuel	164	161	42,292
Total <sup>4</sup>	176	171	44,628
<b>RURAL</b>			
<b>Sex</b>			
Female	221	207	34,450
Male	182	179	33,798
<b>Age</b>			
<15	288	279	15,759
15-59	171	164	42,875
60 or more	198	185	9,617
<b>Cooking fuel</b>			
Solid fuel <sup>3</sup>	272	262	21,635
Other fuel	169	161	46,617
Total <sup>4</sup>	202	193	68,252
<b>TOTAL</b>			
<b>Sex</b>			
Female	220	209	57,021
Male	162	159	55,854
<b>Age</b>			
<15	279	274	25,683
15-59	153	146	72,237
60 or more	226	218	14,960
<b>Cooking fuel</b>			
Solid fuel <sup>3</sup>	283	271	23,971
Other fuel	167	161	88,909
Total <sup>4</sup>	191	184	112,880

<sup>1</sup> Includes medically treated tuberculosis

<sup>2</sup> Suffering from tuberculosis and received medical treatment

<sup>3</sup> Includes coal, lignite, charcoal, wood, straw/shrubs/grass, agricultural crop waste, and dung cakes

<sup>4</sup> Total includes transgender respondents, who are not shown separately.



Table 87 Knowledge and attitudes toward tuberculosis

Percentage of women and men age 15-49 who have heard of tuberculosis (TB), and among those who have heard of TB, percentage with specific knowledge and beliefs, according to background characteristics, Karnataka, 2019-20

Background characteristic	Among women who have heard of TB, percentage who:				Among men who have heard of TB, percentage who:							
	Percentage of women who have heard of TB	Number of women	Report that TB is spread through the air by coughing or sneezing	Have misconceptions about transmission of TB <sup>1</sup>	Believe that TB can be cured	Would want a family member's TB kept secret	Number of women who have heard of TB	Report that TB is spread through the air by coughing or sneezing	Have misconceptions about transmission of TB <sup>1</sup>	Believe that TB can be cured	Would want a family member's TB kept secret	Number of men who have heard of TB
<b>Age</b>												
15-19	89.6	4,374	83.3	58.6	88.9	44.4	3,919	91.6	70.3	52.3	89.0	625
20-34	89.4	13,904	81.9	61.0	90.7	46.0	12,431	91.1	70.9	59.2	91.2	1,771
35-49	88.6	12,177	79.7	61.2	89.3	46.3	10,792	93.0	71.1	60.3	91.4	1,724
<b>Residence</b>												
Urban	92.8	12,361	84.2	63.1	92.4	44.9	11,471	92.8	70.2	63.2	94.4	1,718
Rural	86.6	18,094	79.0	59.0	88.1	46.6	15,671	91.4	71.4	55.3	88.5	2,402
<b>Schooling</b>												
No schooling	82.0	5,926	72.2	58.4	85.6	52.3	4,862	87.2	68.0	55.9	81.9	443
<5 years complete	84.7	1,593	75.0	57.0	83.6	44.4	1,349	87.8	57.4	57.4	85.6	234
5-7 years complete	87.0	4,297	79.6	58.2	88.2	47.9	3,740	91.3	65.0	54.7	89.6	509
8-9 years complete	89.4	3,345	81.4	57.5	89.2	46.8	2,990	89.7	65.4	49.3	88.2	605
10-11 years complete	91.3	6,927	84.1	62.0	91.3	46.1	6,323	93.5	77.9	58.3	92.4	943
12 or more years complete	94.2	8,367	86.3	64.1	93.5	40.8	7,878	94.4	73.5	65.1	95.2	1,386
<b>Religion</b>												
Hindu	89.1	26,192	81.3	61.6	89.9	45.9	23,334	92.7	71.2	59.0	91.2	3,624
Muslim	88.2	3,575	80.9	55.4	89.4	44.9	3,152	84.7	68.4	54.7	88.0	422
Christian	97.3	480	80.3	63.0	90.4	55.0	467	(100.0)	(60.2)	(77.5)	(94.0)	46
Other	91.1	208	84.3	37.1	88.8	38.9	189	*	*	*	*	28

Continued...

Table 87 Knowledge and attitudes toward tuberculosis—Continued

Percentage of women and men age 15-49 who have heard of tuberculosis (TB), and among those who have heard of TB, percentage with specific knowledge and beliefs, according to background characteristics, Karnataka, 2019-20

Background characteristic	Among women who have heard of TB, percentage who:					Among men who have heard of TB, percentage who:								
	Percentage of women who have heard of TB	Number of women	Report that TB is spread through the air by coughing or sneezing	Believe that TB can be cured	Would want a family member's TB kept secret	Number of women who have heard of TB	Percentage of men who have heard of TB	Report that TB is spread through the air by coughing or sneezing	Have misconceptions about transmission of TB <sup>1</sup>	Believe that TB can be cured	Would want a family member's TB kept secret	Number of men who have heard of TB		
<b>Caste/tribe</b>														
Scheduled caste	87.9	6,434	79.9	64.4	89.3	47.0	5,658	93.6	796	71.7	60.7	90.3	55.0	745
Scheduled tribe	88.9	3,184	81.1	65.5	90.8	47.2	2,831	86.9	370	65.8	58.3	88.4	48.6	321
Other backward class	89.6	17,155	81.1	61.0	90.2	44.6	15,369	92.9	2,351	72.6	57.4	91.7	57.5	2,184
Other	89.6	3,484	84.8	48.6	89.3	47.8	3,123	89.7	595	66.3	61.2	90.3	67.4	534
Don't know	81.6	197	75.8	59.6	75.7	69.0	161	*	7	*	*	*	*	6
<b>Total</b>	<b>89.1</b>	<b>30,455</b>	<b>81.2</b>	<b>60.7</b>	<b>89.9</b>	<b>45.9</b>	<b>27,142</b>	<b>92.0</b>	<b>4,120</b>	<b>70.9</b>	<b>58.6</b>	<b>91.0</b>	<b>57.7</b>	<b>3,790</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Misconceptions about the transmission of TB include that it can be spread by sharing utensils, by touching a person with TB, through food, through sexual contact, through mosquito bites, or through any other means except through the air when coughing or sneezing

**Table 88 Health insurance coverage among women and men**

Percentage of women and men age 15-49 who are covered by a health insurance/financing scheme, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of women covered by any health insurance/financing scheme	Number of women	Percentage of men covered by any health insurance/financing scheme	Number of men
<b>Age</b>				
15-19	16.7	4,374	23.3	625
20-24	18.9	4,365	24.3	582
25-34	20.2	9,539	27.0	1,189
35-49	25.4	12,177	26.5	1,724
<b>Residence</b>				
Urban	22.6	12,361	22.3	1,718
Rural	20.9	18,094	28.4	2,402
<b>Schooling</b>				
No schooling	18.4	5,926	24.2	443
<5 years complete	21.9	1,593	23.7	234
5-7 years complete	22.4	4,297	24.5	509
8-9 years complete	20.2	3,345	24.6	605
10-11 years complete	22.7	6,927	26.0	943
12 or more years complete	23.0	8,367	27.7	1,386
<b>Religion</b>				
Hindu	22.4	26,192	27.4	3,624
Muslim	15.3	3,575	15.3	422
Christian	24.5	480	(11.9)	46
Other	17.9	208	*	28
<b>Caste/tribe</b>				
Scheduled caste	22.0	6,434	25.5	796
Scheduled tribe	19.4	3,184	27.2	370
Other backward class	22.3	17,155	27.1	2,351
Other	18.8	3,484	20.8	595
Don't know	27.8	197	*	7
Total age 15-49	21.6	30,455	25.8	4,120
Age 50-54	na	na	31.5	396
Total age 15-54	na	na	26.3	4,516

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.  
na = Not applicable

**Table 89 Source of health care and health insurance coverage among households**

Percent distribution of households by the source of health care that household members generally use when they get sick, percentage of households with at least one usual member covered by a health insurance/financing scheme, and among households with at least one usual member covered by a health insurance/financing scheme, type of health insurance/financing scheme coverage, according to residence, Karnataka, 2019-20

Source	Urban	Rural	Total
<b>Public health sector</b>	45.0	61.5	54.7
Government/municipal hospital	21.5	19.5	20.3
Government dispensary	3.8	3.0	3.3
UHC/UHP/UFWC	6.6	2.7	4.3
CHC/rural hospital/block PHC	5.9	13.0	10.0
PHC/additional PHC	6.7	21.4	15.3
Sub-centre	0.3	1.9	1.2
Vaidya/hakim/homeopath (AYUSH)	0.1	0.0	0.1
Anganwadi/ICDS centre	0.0	0.0	0.0
ASHA	0.0	0.0	0.0
Other public health sector	0.1	0.0	0.0
NGO or trust hospital/clinic	0.7	0.3	0.5
<b>Private health sector</b>	53.1	37.0	43.6
Private hospital	40.4	26.8	32.4
Private doctor/clinic	12.5	10.0	11.0
Private paramedic	0.1	0.2	0.2
Vaidya/hakim/homeopath (AYUSH)	0.1	0.0	0.0
Traditional healer	0.0	0.0	0.0
Pharmacy/drugstore	0.0	0.0	0.0
Other private health sector	0.0	0.0	0.0
<b>Other source</b>	0.3	0.2	0.3
Shop	0.0	0.0	0.0
Home treatment	0.2	0.1	0.2
Other	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Health insurance</b>			
Percentage of households in which at least one usual member is covered by a health insurance/financing scheme	28.2	28.0	28.1
Number of households	10,981	15,593	26,574
<b>Type of coverage among households in which at least one usual member is covered by a health insurance/financing scheme</b>			
Employees' State Insurance Scheme (ESIS)	13.0	5.0	8.3
Central Government Health Scheme (CGHS)	8.4	11.1	10.0
State health insurance scheme	13.7	8.3	10.6
Rashtriya Swasthya Bima Yojana (RSBY)	11.6	20.5	16.8
Community health insurance programme	0.4	1.0	0.7
Other health insurance through employer	3.0	0.6	1.6
Medical reimbursement from employer	1.2	0.1	0.6
Other privately purchased commercial health insurance	1.4	1.2	1.3
Other	50.7	56.4	54.0
Number of households	3,100	4,369	7,470

UHC = Urban health centre; UHP = Urban health post; UFWC = Urban family welfare centre; CHC = Community health centre; PHC = Primary health centre; AYUSH = Ayurveda, yoga and naturopathy, unani, siddha and homeopathy; ICDS = Integrated Child Development Services; ASHA = Accredited Social Health Activist; NGO = Nongovernmental organization

**Table 90 Health problems**

Number of women and men age 15-49 per 100,000 who reported that they have diabetes, asthma, goitre or any other thyroid disorder, heart disease, or cancer, by background characteristics, Karnataka, 2019-20

Background characteristic	Number of women per 100,000					Number of men per 100,000						
	Diabetes	Asthma	Goitre or other thyroid disorder	Any heart disease	Cancer	Number of women	Diabetes	Asthma	Goitre or other thyroid disorder	Any heart disease	Cancer	Number of men
<b>Age</b>												
15-19	347	557	849	262	80	4,374	1,379	812	1,237	599	304	625
20-34	812	653	1,774	350	84	13,904	1,014	1,181	847	875	235	1,771
35-49	3,916	1,539	2,594	793	206	12,177	2,594	1,008	477	1,402	352	1,724
<b>Residence</b>												
Urban	2,374	822	2,524	387	97	12,361	1,375	987	510	570	166	1,718
Rural	1,722	1,111	1,590	601	156	18,094	1,986	1,100	923	1,400	386	2,402
<b>Schooling</b>												
No schooling	2,845	1,336	1,347	779	129	5,926	2,470	2,004	1,374	2,098	531	443
<5 years complete	2,885	1,630	2,002	860	204	1,593	1,341	863	0	1,093	0	234
5-7 years complete	3,067	1,375	2,049	904	127	4,297	1,331	1,107	581	1,745	886	509
8-9 years complete	1,125	708	2,248	542	232	3,345	1,549	869	1,528	1,976	680	605
10-11 years complete	1,658	897	2,266	342	186	6,927	2,726	974	723	483	0	943
12 or more years complete	1,269	628	2,005	193	40	8,367	1,110	894	422	446	83	1,386
<b>Marital status</b>												
Never married	389	557	871	275	56	6,635	1,060	1,143	888	712	150	1,728
Currently married	2,308	1,074	2,333	534	147	21,891	2,163	1,002	662	1,320	405	2,358
Widowed/divorced/separated/deserted	3,833	1,583	1,622	1,120	227	1,929	(5,817)	(0)	(0)	(0)	(0)	34
<b>Religion</b>												
Hindu	1,919	996	1,871	526	145	26,192	1,810	1,054	759	1,036	335	3,624
Muslim	2,645	940	2,692	509	69	3,575	1,281	1,227	819	1,388	0	422
Christian	1,649	971	2,809	167	0	480	(665)	(0)	(0)	(0)	(0)	46
Other	0	1,679	0	0	0	208	*	*	*	*	*	28

Continued...

Table 90 Health problems—Continued

Number of women and men age 15-49 per 100,000 who reported that they have diabetes, asthma, goitre or any other thyroid disorder, heart disease, or cancer, by background characteristics, Karnataka, 2019-20

Background characteristic	Number of women per 100,000					Number of men per 100,000						
	Diabetes	Asthma	Goitre or other thyroid disorder	Any heart disease	Cancer	Number of women	Diabetes	Asthma	Goitre or other thyroid disorder	Any heart disease	Cancer	Number of men
<b>Caste/tribe</b>												
Scheduled caste	2,335	966	1,912	542	142	6,434	2,095	1,689	1,044	1,300	168	796
Scheduled tribe	1,239	936	1,272	523	271	3,184	3,468	1,451	1,380	2,755	752	370
Other backward class	2,005	987	1,998	468	121	17,155	1,202	688	620	799	321	2,351
Other	1,906	1,157	2,654	648	52	3,484	2,274	1,407	494	685	78	595
Don't know	2,538	485	459	1,171	0	197	*	*	*	*	*	7
Total age 15-49	1,986	994	1,969	514	132	30,455	1,731	1,053	751	1,054	294	4,120
Age 50-54	na	na	na	na	na	na	4,184	3,183	1,676	2,396	0	396
Total age 15-54	na	na	na	na	na	na	1,946	1,240	832	1,171	269	4,516

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. na = Not applicable

**Table 91 Screening tests for cancer**

Percentage of women age 15-49 who have ever undergone specific screening tests for cancer, and percentage of men age 15-49 who have ever undergone an oral cavity screening test for oral cancer, by background characteristics, Karnataka, 2019-20

Background characteristic	Type of screening test for women			Number of women	Oral cavity screening test for men	Number of men
	Cervix	Breast	Oral cavity			
<b>Age</b>						
15-19	0.3	0.0	0.4	4,156	0.4	588
20-24	0.6	0.2	0.3	4,191	0.8	539
25-29	0.4	0.1	0.4	4,960	0.6	541
30-34	0.7	0.4	0.4	4,307	0.0	550
35-39	0.5	0.3	0.4	4,463	0.9	626
40-44	0.5	0.5	0.6	3,427	0.4	493
45-49	0.5	0.3	0.5	3,975	0.1	488
<b>Residence</b>						
Urban	0.5	0.4	0.5	11,797	0.3	1,570
Rural	0.5	0.2	0.4	17,683	0.5	2,255
<b>Schooling</b>						
No schooling	0.6	0.3	0.6	5,758	0.5	420
<5 years complete	0.9	0.2	0.4	1,565	1.2	223
5-7 years complete	0.6	0.5	0.4	4,188	0.2	469
8-9 years complete	0.2	0.0	0.3	3,226	0.4	564
10-11 years complete	0.4	0.1	0.5	6,750	0.7	875
12 or more years complete	0.5	0.3	0.3	7,993	0.3	1,274
<b>Religion</b>						
Hindu	0.5	0.2	0.4	25,409	0.4	3,351
Muslim	0.7	0.5	0.5	3,420	0.8	400
Christian	0.4	0.0	0.2	449	(0.0)	46
Other	1.1	0.0	0.9	202	*	28
<b>Caste/tribe</b>						
Scheduled caste	0.4	0.2	0.3	6,224	0.1	735
Scheduled tribe	0.4	0.2	0.2	3,109	0.4	352
Other backward class	0.6	0.3	0.5	16,636	0.7	2,171
Other	0.4	0.2	0.7	3,333	0.2	559
Don't know	0.0	0.0	0.0	178	*	7
<b>Total</b>	<b>0.5</b>	<b>0.2</b>	<b>0.4</b>	<b>29,480</b>	<b>0.5</b>	<b>3,825</b>

Note: Table excludes women and men who did not complete an individual interview. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

Table 92.1 Blood pressure status: Women

Among women age 15-49, prevalence of hypertension, percent distribution of blood pressure values, and percentage having normal blood pressure and taking medication to lower blood pressure, by background characteristics, Karnataka, 2019-20

Background characteristic	Prevalence of hypertension <sup>1</sup>	Normal			Pre-hypertensive			Hypertensive			Total	Percentage with normal blood pressure and taking medicine to lower blood pressure	Number of women
		SBP <120 mmHg	SBP 120-139 mmHg or DBP 80-89 mmHg	SBP 140-159 mmHg or DBP 90-99 mmHg	SBP 160-179 mmHg or DBP 100-109 mmHg	Stage 2: SBP ≥180 mmHg or DBP ≥110 mmHg	Stage 3: SBP ≥180 mmHg or DBP ≥110 mmHg	Stage 3: SBP ≥180 mmHg or DBP ≥110 mmHg					
<b>Age</b>													
15-19	2.6	79.3	18.8	1.6	0.1	0.2	0.1	0.2	0.2	100.0	0.5	4,083	
20-24	4.3	72.9	23.8	2.7	0.4	0.1	0.4	0.1	0.1	100.0	0.6	4,112	
25-29	6.3	64.4	30.5	4.2	0.6	0.3	0.6	0.3	0.3	100.0	0.7	4,867	
30-34	10.0	53.2	38.0	7.4	1.1	0.3	1.1	0.3	0.3	100.0	0.7	4,243	
35-39	15.8	43.0	42.5	12.0	1.9	0.5	1.9	0.5	0.5	100.0	0.2	4,391	
40-44	25.0	32.4	45.9	16.1	3.8	1.8	3.8	1.8	1.8	100.0	0.9	3,382	
45-49	31.6	28.0	44.2	20.3	5.2	2.3	5.2	2.3	2.3	100.0	1.0	3,932	
<b>Residence</b>													
Urban	14.8	51.1	36.2	10.1	1.7	0.9	1.7	0.9	0.9	100.0	0.6	11,463	
Rural	12.0	56.2	33.3	8.1	1.8	0.6	1.8	0.6	0.6	100.0	0.7	17,547	
<b>Schooling</b>													
No schooling	20.2	41.2	40.7	13.9	2.9	1.3	2.9	1.3	1.3	100.0	0.6	5,709	
<5 years complete	20.8	43.4	38.7	12.6	3.5	1.7	3.5	1.7	1.7	100.0	0.9	1,554	
5-7 years complete	15.8	49.3	36.8	10.6	2.6	0.7	2.6	0.7	0.7	100.0	0.7	4,126	
8-9 years complete	9.8	61.7	29.9	6.4	1.4	0.6	1.4	0.6	0.6	100.0	0.7	3,199	
10-11 years complete	10.6	59.6	31.6	7.2	1.0	0.6	1.0	0.6	0.6	100.0	0.9	6,615	
12 or more years complete	8.5	60.6	32.1	5.9	0.9	0.4	0.9	0.4	0.4	100.0	0.5	7,808	
<b>Religion</b>													
Hindu	12.9	54.1	34.6	8.8	1.7	0.7	1.7	0.7	0.7	100.0	0.6	25,046	
Muslim	14.5	55.0	33.1	9.0	2.2	0.6	2.2	0.6	0.6	100.0	0.8	3,326	
Christian	15.6	55.0	30.9	10.1	2.2	1.8	2.2	1.8	1.8	100.0	1.4	447	
Other	10.5	48.7	44.5	6.9	0.0	0.0	0.0	0.0	0.0	100.0	0.0	191	

Continued...



Table 92.1 Blood pressure status: Women—Continued

Among women age 15-49, prevalence of hypertension, percent distribution of blood pressure values, and percentage having normal blood pressure and taking medication to lower blood pressure, by background characteristics, Karnataka, 2019-20

Background characteristic	Prevalence of hypertension <sup>1</sup>	Pre-hypertensive				Hypertensive			Total	Percentage with normal blood pressure and taking medicine to lower blood pressure	Number of women
		Normal SBP <120 mmHg and DBP <80 mmHg	Stage 1: SBP 120-139 mmHg or DBP 80-89 mmHg	Stage 1: SBP 140-159 mmHg or DBP 90-99 mmHg	Stage 2: SBP 160-179 mmHg or DBP 100-109 mmHg	Stage 3: SBP ≥180 mmHg or DBP ≥110 mmHg					
<b>Caste/tribe</b>											
Scheduled caste	12.3	56.2	32.8	8.5	1.8	0.7	100.0	0.6	6,147		
Scheduled tribe	13.2	50.4	37.7	9.9	1.4	0.5	100.0	0.4	3,095		
Other backward class	13.1	53.9	34.8	8.8	1.8	0.8	100.0	0.6	16,377		
Other	14.5	54.9	33.4	8.8	2.1	0.8	100.0	1.1	3,218		
Don't know	11.2	62.7	26.1	11.1	0.1	0.0	100.0	0.0	173		
<b>Total</b>	<b>13.1</b>	<b>54.2</b>	<b>34.5</b>	<b>8.9</b>	<b>1.8</b>	<b>0.7</b>	<b>100.0</b>	<b>0.7</b>	<b>29,010</b>		

SBP = Systolic blood pressure; DBP = Diastolic blood pressure

<sup>1</sup> A woman is classified as having hypertension if she has SBP≥140 mmHg or DBP≥90 mmHg at the time of the survey, or she is currently taking antihypertensive medication to control blood pressure. The term hypertension as used in this table is not meant to be a clinical diagnosis of the disease, but rather to provide an indication of the disease burden in the population at the time of the survey.

Table 92.2 Blood pressure status: Men

Among men age 15-49, prevalence of hypertension, percent distribution of blood pressure values, and percentage having normal blood pressure and taking medication to lower blood pressure, by background characteristics, Karnataka, 2019-20

Background characteristic	Prevalence of hypertension <sup>1</sup>	Normal			Pre-hypertensive			Hypertensive			Total	Percentage with normal blood pressure and taking medicine to lower blood pressure	Number of men
		SBP <120 mmHg and DBP <80 mmHg	SBP 120-139 mmHg or DBP 80-89 mmHg	SBP 140-159 mmHg or DBP 90-99 mmHg	Stage 1: SBP 160-179 mmHg or DBP 100-109 mmHg	Stage 2: SBP ≥180 mmHg or DBP ≥110 mmHg	Stage 3: SBP ≥180 mmHg or DBP ≥110 mmHg						
<b>Age</b>													
15-19	5.5	59.5	35.5	3.9	0.6	0.4	100.0	0.5	576				
20-24	9.7	45.5	45.0	8.7	0.3	0.5	100.0	0.1	510				
25-29	11.5	32.8	55.8	8.8	2.1	0.4	100.0	0.1	527				
30-34	19.8	28.2	52.6	15.7	2.5	1.1	100.0	0.0	538				
35-39	31.9	22.0	48.0	23.2	5.0	1.7	100.0	0.2	623				
40-44	32.0	23.8	44.5	24.2	5.7	1.7	100.0	0.0	478				
45-49	34.1	16.8	51.9	22.3	6.4	2.5	100.0	0.5	488				
<b>Residence</b>													
Urban	22.6	27.4	51.5	16.6	3.3	1.2	100.0	0.1	1,509				
Rural	19.1	36.7	44.8	14.2	3.1	1.2	100.0	0.3	2,230				
<b>Schooling</b>													
No schooling	19.6	26.9	54.0	13.0	5.5	0.6	100.0	0.1	408				
<5 years complete	36.7	26.9	41.2	28.0	3.3	0.5	100.0	0.0	215				
5-7 years complete	22.6	31.7	46.2	17.0	3.7	1.4	100.0	0.0	462				
8-9 years complete	15.9	42.1	42.6	10.7	3.2	1.5	100.0	0.4	555				
10-11 years complete	22.5	31.6	46.2	18.0	3.2	1.0	100.0	0.2	857				
12 or more years complete	17.9	33.3	50.0	13.1	2.2	1.4	100.0	0.3	1,242				
<b>Religion</b>													
Hindu	21.0	32.0	48.0	15.5	3.3	1.2	100.0	0.2	3,287				
Muslim	18.1	37.5	45.4	14.0	2.0	1.1	100.0	0.2	380				
Christian	(9.4)	(42.7)	(47.8)	(6.2)	(3.3)	(0.0)	100.0	(0.0)	46				

Continued...

**Table 92.2 Blood pressure status: Men—Continued**

Among men age 15-49, prevalence of hypertension, percent distribution of blood pressure values, and percentage having normal blood pressure and taking medication to lower blood pressure, by background characteristics, Karnataka, 2019-20

Background characteristic	Prevalence of hypertension <sup>1</sup>	Pre-hypertensive			Hypertensive			Percentage with normal blood pressure and taking medicine to lower blood pressure	Number of men
		Normal SBP <120 mmHg and DBP <80 mmHg	SBP 120-139 mmHg or DBP 80-89 mmHg	Stage 1: SBP 140-159 mmHg or DBP 90-99 mmHg	Stage 2: SBP 160-179 mmHg or DBP 100-109 mmHg	Stage 3: SBP ≥180 mmHg or DBP ≥110 mmHg	Total		
<b>Caste/tribe</b>									
Scheduled caste	22.1	30.7	48.2	15.2	5.3	0.7	100.0	0.5	727
Scheduled tribe	17.6	27.2	57.1	11.0	3.1	1.5	100.0	0.1	344
Other backward class	20.7	33.6	46.6	15.9	2.4	1.4	100.0	0.2	2,120
Other	19.5	36.4	44.2	15.0	3.4	0.9	100.0	0.0	541
Total age 15-49	20.5	32.9	47.5	15.2	3.2	1.2	100.0	0.2	3,740
Age 50-54	50.4	16.8	39.0	30.2	12.3	1.7	100.0	0.6	361
Total age 15-54	23.1	31.5	46.8	16.5	4.0	1.2	100.0	0.2	4,100

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes men belonging to other religions and men who don't know their caste/tribe, who are not shown separately. SBP = Systolic blood pressure; DBP = Diastolic blood pressure

<sup>1</sup> A man is classified as having hypertension if he has SBP≥140 mmHg or DBP≥90 mmHg at time of survey, or he is currently taking antihypertensive medication to control blood pressure. The term hypertension as used in this table is not meant to be a clinical diagnosis of the disease, but rather to provide an indication of the disease burden in the population at the time of the survey.

**Table 93.1 Random blood glucose levels: Women**

Among women age 15-49, percent distribution of random blood glucose values, by background characteristics, Karnataka, 2019-20

Background characteristic	Random blood glucose values			Total	Percentage with normal blood glucose levels and taking medicine to lower their blood glucose level	Percentage with >140 mg/dl blood glucose levels or taking medicine to lower their blood glucose level	Number of women
	≤140 mg/dl (normal)	141-160 mg/dl (high)	>160 mg/dl (very high)				
<b>Age</b>							
15-19	97.8	1.6	0.7	100.0	0.3	2.5	4,081
20-24	97.4	1.8	0.8	100.0	0.4	3.0	4,088
25-29	96.0	2.4	1.7	100.0	0.6	4.6	4,843
30-34	93.4	4.1	2.5	100.0	0.8	7.5	4,227
35-39	91.0	5.3	3.7	100.0	0.7	9.6	4,356
40-44	87.6	5.8	6.6	100.0	0.9	13.3	3,317
45-49	85.0	6.1	8.9	100.0	1.3	16.4	3,846
<b>Residence</b>							
Urban	92.3	3.9	3.7	100.0	0.8	8.5	11,330
Rural	93.2	3.7	3.1	100.0	0.6	7.4	17,428
<b>Schooling</b>							
No schooling	91.3	4.8	3.9	100.0	0.9	9.6	5,622
<5 years complete	89.1	5.5	5.4	100.0	0.9	11.8	1,522
5-7 years complete	91.6	3.8	4.6	100.0	1.0	9.5	4,094
8-9 years complete	94.3	2.7	3.0	100.0	0.3	6.0	3,179
10-11 years complete	93.1	3.5	3.4	100.0	0.7	7.7	6,579
12 or more years complete	94.6	3.3	2.0	100.0	0.5	5.9	7,764
<b>Religion</b>							
Hindu	93.1	3.7	3.1	100.0	0.7	7.6	24,843
Muslim	91.5	3.5	5.0	100.0	0.8	9.3	3,286
Christian	87.5	7.7	4.8	100.0	0.8	13.3	439
Other	92.5	6.3	1.2	100.0	0.3	7.8	190
<b>Caste/tribe</b>							
Scheduled caste	94.1	3.3	2.5	100.0	0.7	6.5	6,102
Scheduled tribe	94.3	3.2	2.5	100.0	0.8	6.5	3,068
Other backward class	92.2	4.1	3.7	100.0	0.7	8.5	16,238
Other	92.3	3.4	4.3	100.0	0.8	8.5	3,180
Don't know	90.6	5.3	4.1	100.0	0.4	9.8	169
<b>Total</b>	<b>92.9</b>	<b>3.8</b>	<b>3.4</b>	<b>100.0</b>	<b>0.7</b>	<b>7.8</b>	<b>28,758</b>

**Table 93.2 Random blood glucose levels: Men**

Among men age 15-49, percent distribution of random blood glucose values, by background characteristics, Karnataka, 2019-20

Background characteristic	Random blood glucose values			Total	Percentage with normal blood glucose levels and taking medicine to lower their blood glucose level	Percentage with >140 mg/dl blood glucose levels or taking medicine to lower their blood glucose level	Number of men
	≤140 mg/dl (normal)	141-160 mg/dl (high)	>160 mg/dl (very high)				
<b>Age</b>							
15-19	97.9	1.3	0.7	100.0	0.5	2.6	573
20-24	94.2	3.7	2.1	100.0	0.2	6.0	509
25-29	96.1	2.9	1.0	100.0	0.1	3.9	523
30-34	92.2	5.8	2.0	100.0	0.7	8.5	530
35-39	89.5	3.4	7.1	100.0	2.4	12.8	615
40-44	87.2	6.3	6.5	100.0	2.3	15.1	472
45-49	77.8	7.9	14.4	100.0	3.3	25.5	474
<b>Residence</b>							
Urban	90.7	3.9	5.4	100.0	1.8	11.1	1,490
Rural	91.2	4.6	4.2	100.0	1.0	9.8	2,206
<b>Schooling</b>							
No schooling	91.3	5.3	3.4	100.0	1.2	9.9	406
<5 years complete	93.8	2.7	3.4	100.0	5.6	11.7	215
5-7 years complete	88.1	5.2	6.7	100.0	0.8	12.8	457
8-9 years complete	93.7	2.8	3.5	100.0	1.2	7.5	548
10-11 years complete	88.4	3.8	7.8	100.0	0.9	12.5	847
12 or more years complete	92.0	5.0	3.0	100.0	1.1	9.1	1,223
<b>Religion</b>							
Hindu	90.7	4.4	4.8	100.0	1.3	10.5	3,248
Muslim	91.8	4.3	3.9	100.0	1.7	10.0	376
Christian	(97.6)	(0.0)	(2.4)	100.0	(1.5)	(3.9)	46
<b>Caste/tribe</b>							
Scheduled caste	90.3	4.0	5.7	100.0	1.1	10.8	725
Scheduled tribe	92.0	4.5	3.5	100.0	2.2	10.1	340
Other backward class	91.1	4.3	4.6	100.0	1.4	10.2	2,086
Other	90.6	4.8	4.6	100.0	0.9	10.3	538
Total age 15-49	91.0	4.3	4.7	100.0	1.3	10.3	3,697
Age 50-54	78.9	7.5	13.6	100.0	8.9	30.0	352
Total age 15-54	89.9	4.6	5.5	100.0	2.0	12.0	4,049

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes men belonging to other religions and men who don't know their caste/tribe, who are not shown separately.

**Table 94 Tobacco and alcohol use by women and men**

Percentage of women and men age 15-49 by their use of tobacco and alcohol, percent distribution of those who smoke cigarettes or *bidis* by number of cigarettes/*bidis* smoked in the 24 hours preceding the survey, and among those who drink alcohol, the percent distribution of the frequency of alcohol consumption, by residence, Karnataka, 2019-20

Tobacco/alcohol use	Women			Men		
	Urban	Rural	Total	Urban	Rural	Total
<b>Use of tobacco/alcohol</b>						
Smokes cigarettes	0.1	0.0	0.1	14.3	10.7	12.2
Smokes <i>bidis</i>	0.0	0.0	0.0	2.4	4.5	3.6
Smokes cigars or pipe	0.1	0.2	0.2	1.2	1.0	1.1
Smokes <i>hookah</i>	0.0	0.1	0.1	0.1	0.5	0.3
Chews <i>gutkha</i> or <i>paan masala</i> with tobacco	0.3	0.8	0.6	6.8	12.9	10.4
Uses <i>khaini</i>	0.0	0.0	0.0	0.3	0.7	0.5
Chews <i>paan</i> with tobacco	0.5	2.1	1.4	1.9	7.1	5.0
Uses other chewing tobacco	0.1	0.3	0.2	0.1	0.9	0.6
Uses snuff	0.0	0.1	0.1	0.1	0.2	0.1
Uses other tobacco product	0.0	0.1	0.1	0.1	1.1	0.7
Uses any type of tobacco	1.1	3.8	2.7	22.3	30.9	27.3
Drinks alcohol	0.3	0.4	0.3	26.1	21.0	23.1
Number of respondents	12,361	18,094	30,455	1,718	2,402	4,120
<b>Among those who smoke cigarettes, number of cigarettes smoked in the past 24 hours</b>						
<5	*	*	*	63.6	74.7	69.3
5-9	*	*	*	18.3	15.0	16.6
10-14	*	*	*	11.3	3.9	7.5
15-24	*	*	*	0.3	1.1	0.7
25 or more	*	*	*	0.0	0.6	0.3
Missing	*	*	*	6.6	4.6	5.6
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number of cigarette smokers	17	4	21	246	256	502
<b>Among those who smoke <i>bidis</i>, number of <i>bidis</i> smoked in the past 24 hours</b>						
<5	nc	*	*	(11.7)	21.2	18.5
5-9	nc	*	*	(30.0)	29.1	29.4
10-14	nc	*	*	(24.6)	24.7	24.7
15-24	nc	*	*	(24.7)	18.2	20.0
25 or more	nc	*	*	(0.0)	2.1	1.5
Missing	nc	*	*	(9.0)	4.7	5.9
Total	nc	100.0	100.0	100.0	100.0	100.0
Number of <i>bidi</i> smokers	0	4	4	41	107	148

Continued...

Table 94 Tobacco and alcohol use by women and men—*Continued*

Percentage of women and men age 15-49 by their use of tobacco and alcohol, percent distribution of those who smoke cigarettes or *bidis* by number of cigarettes/*bidis* smoked in the 24 hours preceding the survey, and among those who drink alcohol, the percent distribution of the frequency of alcohol consumption, by residence, Karnataka, 2019-20

Tobacco/alcohol use	Women			Men		
	Urban	Rural	Total	Urban	Rural	Total
<b>Among those who drink alcohol, frequency of drinking</b>						
Almost every day	(29.9)	39.5	36.6	17.2	21.2	19.3
About once a week	(22.6)	28.3	26.6	60.7	47.5	53.7
Less than once a week	(47.4)	32.3	36.9	22.1	31.3	27.0
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number who drink alcohol	32	72	104	449	504	953

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

nc = No cases

**Table 95 Methods of menstrual protection**

Percentage of women age 15-24 who use various methods of menstrual protection and percentage using a hygienic method, according to background characteristics, Karnataka, 2019-20

Background characteristic	Type of menstrual protection <sup>1</sup>							Percentage using a hygienic method <sup>2</sup>	Number of women
	Cloth	Locally prepared napkins	Sanitary napkins	Tampons	Menstrual cup	Other	Nothing		
<b>Age</b>									
15-19	42.2	22.7	70.2	3.2	0.3	0.0	0.2	85.9	4,374
20-24	45.8	20.9	67.5	2.5	0.2	0.0	0.2	82.5	4,365
<b>Residence</b>									
Urban	31.6	22.8	73.5	2.6	0.4	0.0	0.1	91.0	3,421
Rural	52.0	21.1	65.8	3.0	0.2	0.0	0.2	79.8	5,318
<b>Schooling</b>									
No schooling	71.3	13.4	39.6	1.9	0.0	0.0	1.2	52.0	333
<5 years complete	77.2	15.9	34.6	1.4	0.0	0.0	1.4	48.1	91
5-7 years complete	61.9	12.4	51.8	2.4	0.0	0.0	0.7	63.4	570
8-9 years complete	50.4	23.3	62.8	2.9	0.1	0.0	0.3	79.4	1,484
10-11 years complete	44.6	22.1	70.5	2.9	0.3	0.0	0.0	86.0	2,820
12 or more years complete	34.4	23.4	76.6	3.0	0.4	0.0	0.0	92.4	3,441
<b>Religion</b>									
Hindu	45.2	21.4	68.5	2.6	0.3	0.0	0.2	83.3	7,310
Muslim	39.5	25.7	68.0	4.4	0.3	0.0	0.0	88.3	1,234
Christian	22.5	13.1	88.0	0.8	0.0	0.0	0.0	94.8	144
Other	(47.0)	(4.6)	(84.4)	(1.7)	(0.0)	(0.0)	(0.0)	(90.7)	52
<b>Caste/tribe</b>									
Scheduled caste	46.6	23.3	67.7	3.5	0.2	0.0	0.2	83.5	2,026
Scheduled tribe	52.4	21.0	61.2	3.2	0.2	0.0	0.5	78.5	918
Other backward class	42.1	21.2	71.7	2.6	0.3	0.0	0.1	85.4	4,715
Other	40.8	23.1	64.8	2.7	0.4	0.0	0.0	85.7	1,010
Don't know	36.0	12.9	67.5	0.0	0.0	0.0	0.0	79.2	71
<b>Total</b>	<b>44.0</b>	<b>21.8</b>	<b>68.8</b>	<b>2.8</b>	<b>0.3</b>	<b>0.0</b>	<b>0.2</b>	<b>84.2</b>	<b>8,739</b>

Note: Table is based on women age 15-24 who have ever menstruated. Figures in parentheses are based on 25-49 unweighted cases.

<sup>1</sup> Respondents may report multiple methods so the sum may exceed 100 percent

<sup>2</sup> Locally prepared napkins, sanitary napkins, tampons, and menstrual cup are considered to be hygienic methods of protection



Table 96 Employment and cash earnings of women and men

Percentage of women age 15-49 and men age 15-54 who were employed at any time in the 12 months preceding the survey and percent distribution of women and men employed in the 12 months preceding the survey by type of earnings and type of employment, according to age, Karnataka, 2019-20

Age	Percentage employed in the past 12 months	Number of respondents	Percent distribution of employed respondents by type of earnings				Percent distribution of employed respondents by sector			Number of employed respondents		
			Cash only	Cash and in-kind	In-kind only	Not paid	Missing	Total	Agriculture		Non-agriculture	
WOMEN												
15-19	14.1	632	78.7	5.8	1.9	13.6	0.0	100.0	5.3	94.7	100.0	89
20-24	24.3	694	84.9	8.4	0.5	6.2	0.0	100.0	7.9	92.1	100.0	168
25-29	40.3	684	80.0	10.8	3.5	5.6	0.0	100.0	9.7	90.3	100.0	276
30-34	46.7	617	84.2	7.1	0.5	8.2	0.0	100.0	11.1	88.9	100.0	288
35-39	57.3	684	81.6	7.6	1.6	9.1	0.0	100.0	8.6	91.4	100.0	392
40-44	54.5	504	82.5	8.8	1.8	6.9	0.0	100.0	12.5	87.5	100.0	275
45-49	52.5	639	81.1	8.5	1.3	9.2	0.0	100.0	14.7	85.3	100.0	335
Total	40.9	4,454	82.0	8.3	1.6	8.1	0.0	100.0	10.7	89.3	100.0	1,824
MEN												
15-19	33.2	625	78.5	5.2	2.0	14.3	0.0	100.0	44.2	55.8	100.0	207
20-24	69.4	582	90.5	3.6	1.4	4.4	0.0	100.0	32.1	67.9	100.0	404
25-29	87.1	581	86.7	7.5	1.6	4.2	0.0	100.0	34.4	65.6	100.0	506
30-34	95.6	608	89.6	5.1	0.7	4.6	0.0	100.0	36.7	63.3	100.0	581
35-39	94.7	648	86.7	8.6	0.2	4.5	0.0	100.0	44.8	55.2	100.0	614
40-44	93.4	531	83.0	11.8	0.5	4.7	0.0	100.0	48.1	51.9	100.0	496
45-49	94.6	545	86.5	7.7	0.8	5.0	0.0	100.0	50.8	49.2	100.0	515
Total	80.7	4,120	86.5	7.4	0.9	5.2	0.0	100.0	41.6	58.4	100.0	3,323
Age 50-54	93.3	396	85.1	8.9	1.0	5.0	0.0	100.0	53.7	46.3	100.0	370
Total age 15-54	81.8	4,516	86.4	7.5	0.9	5.2	0.0	100.0	42.8	57.2	100.0	3,693

Table 97. Control over and magnitude of women's and men's cash earnings

Percentage of currently married women and men age 15-49 by who decide how women's and men's cash earnings are used and by the magnitude of women's cash earnings compared with their husband's cash earnings, according to background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of currently married women who report that they:				Percentage of currently married men who report that:				
	Alone or jointly with their husband decide how their own cash earnings are used	Alone or jointly with their husband decide how their husband's cash earnings are used	Number of women whose husbands are employed for cash	Earn more or about the same as their husband	Number employed for cash and whose husbands are employed for cash	They alone or jointly with wife decide how their wife's cash earnings are used	Number of men with wives who are employed for cash	Their wife alone or jointly with them decides how their own cash earnings are used	Number employed for cash and whose wives are employed for cash
<b>Age</b>									
15-19	*	14	44	*	8	nc	0	nc	0
20-29	70.3	302	690	36.9	212	(81.9)	27	57.9	24
30-39	74.5	533	916	37.2	420	87.9	180	50.5	177
40-49	76.4	454	547	34.9	256	82.0	198	53.9	187
<b>Residence</b>									
Urban	80.1	421	835	38.5	263	81.1	168	56.6	162
Rural	70.9	883	1,361	35.8	633	87.1	236	50.2	227
<b>Schooling</b>									
No schooling	73.9	428	479	26.8	285	84.8	75	53.6	71
<5 years complete	73.8	96	148	29.5	74	(90.7)	35	60.0	35
5-7 years complete	68.1	210	371	37.4	153	79.2	77	53.6	72
8-9 years complete	74.6	107	199	37.2	72	85.7	42	49.2	39
10-11 years complete	75.0	215	489	41.4	144	87.6	75	48.5	75
12 or more years complete	77.3	248	510	51.2	169	83.7	101	54.7	97
<b>Religion</b>									
Hindu	74.3	1,187	1,925	37.0	816	85.3	375	53.4	361
Muslim	69.2	87	224	35.4	60	(76.2)	22	45.4	22
Christian	(66.9)	27	31	*	19	*	5	*	3

Continued...

**Table 97 Control over and magnitude of women's and men's cash earnings—Continued**

Percentage of currently married women and men age 15-49 by who decide how women's and men's cash earnings are used and by the magnitude of women's cash earnings compared with their husband's cash earnings, according to background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of currently married women who report that they:				Percentage of currently married men who report that:				
	Alone or jointly with their husband decide how their own cash earnings are used	Alone or jointly with their husband decide how their husband's cash earnings are used	Number of women whose husbands are employed for cash	Earn more or about the same as their husband	Number employed for cash and whose husbands are employed for cash	They alone or jointly with their wife decide how their wife's cash earnings are used	Number of men with wives who are employed for cash	Their wife alone or jointly with them decides how their own cash earnings are used	Number employed for cash and whose wives are employed for cash
<b>Caste/tribe</b>									
Scheduled caste	71.6	302	64.4	43.4	219	86.4	87	57.6	433
Scheduled tribe	73.0	157	65.0	23.4	91	84.0	43	60.7	180
Other backward class	74.9	748	71.1	36.6	519	83.6	219	51.1	1,213
Other	74.4	95	58.8	32.6	67	87.0	52	48.1	290
<b>Total</b>	<b>73.9</b>	<b>1,303</b>	<b>68.2</b>	<b>36.6</b>	<b>896</b>	<b>84.6</b>	<b>404</b>	<b>52.8</b>	<b>2,120</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes women/men belonging to other religions and women/men who don't know their caste/tribe, who are not shown separately.  
nc = No cases

Table 98 Participation in decision making

Percent distribution of currently married women and men age 15-49 by who usually make decisions about specific issues, by residence, Karnataka, 2019-20

Decision	According to women, person who usually makes the decision					According to men, person who usually makes the decision					
	Respondent		Someone else			Respondent		Someone else			
	Mainly respondent	and husband jointly	Mainly husband	Mainly wife	Other	Total	Mainly respondent	and wife jointly	Mainly wife	Other	Total
	URBAN										
Own health care	13.6	63.9	21.4	0.7	0.3	100.0	36.8	50.8	12.2	0.2	100.0
Major household purchases	13.6	65.8	18.5	1.4	0.8	100.0	36.9	55.7	6.5	0.9	100.0
Visits to her family or relatives	12.6	65.8	19.8	1.1	0.8	100.0	na	na	na	na	na
	RURAL										
Own health care	8.8	63.7	25.7	0.9	1.0	100.0	49.8	31.9	17.3	0.9	100.0
Major household purchases	7.6	62.0	26.8	2.5	1.1	100.0	47.3	42.7	8.4	1.5	100.0
Visits to her family or relatives	6.1	66.2	24.6	2.1	0.9	100.0	na	na	na	na	na
	TOTAL										
Own health care	10.6	63.8	24.1	0.8	0.7	100.0	44.5	39.5	15.3	0.6	100.0
Major household purchases	9.9	63.5	23.6	2.0	1.0	100.0	43.1	48.0	7.6	1.2	100.0
Visits to her family or relatives	8.6	66.1	22.8	1.7	0.9	100.0	na	na	na	na	na

na = Not applicable

Table 99 Decision making by background characteristics

Percentage of currently married women and currently married men age 15-49 who usually make specific decisions either by themselves or jointly with their spouse, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of women who usually make specific decisions alone or jointly with their husband				Percentage of men who usually make specific decisions alone or jointly with their wife				Number of men	
	Own health care	Making major household purchases	Visits to her family or relatives	Percentage who participate in all three decisions	Percentage who participate in none of the three decisions	Number of women	Own health care	Making major household purchases		Percentage who participate in both decisions
<b>Age</b>										
15-19	69.8	52.7	64.8	47.9	25.2	62	nc (89.3)	nc (89.5)	nc (84.5)	nc (5.7)
20-24	70.5	66.9	66.2	55.3	21.4	412	82.8	94.5	80.0	2.7
25-29	70.9	70.1	73.0	62.0	20.0	580	84.0	91.2	78.8	3.5
30-39	76.3	75.9	77.3	67.6	15.8	1,165	84.2	90.2	78.4	4.0
40-49	76.2	76.4	76.8	67.5	15.2	960				
<b>Residence</b>										
Urban	77.6	79.4	78.4	69.4	13.8	1,223	87.6	92.7	83.3	3.0
Rural	72.4	69.6	72.3	61.5	19.5	1,957	81.7	90.0	75.8	4.1
<b>Schooling</b>										
No schooling	72.4	70.4	71.1	60.9	19.6	740	81.1	87.6	74.0	5.3
<5 years complete	67.9	65.7	73.6	58.4	18.9	214	79.3	85.7	70.3	5.4
5-7 years complete	74.9	73.3	74.3	65.8	17.8	512	82.6	89.2	76.6	4.8
8-9 years complete	77.0	73.4	76.6	66.8	15.5	284	80.3	90.9	74.4	3.2
10-11 years complete	73.3	74.0	76.0	65.0	17.8	678	85.0	92.6	82.2	4.6
12 or more years complete	77.9	77.9	76.8	67.8	14.4	753	88.8	94.6	84.5	1.1
<b>Employment (past 12 months)</b>										
Employed	74.4	72.2	74.0	63.4	17.5	1,458	84.1	91.2	78.9	3.6
Employed, for cash	74.5	72.6	74.2	63.9	17.4	1,303	84.1	91.4	79.0	3.6
Employed, not for cash	74.0	68.8	72.2	59.3	18.6	155	83.9	89.0	77.4	4.6
Not employed	74.4	74.3	75.2	65.5	17.1	1,722	83.9	88.2	77.0	4.9

Continued...

Table 99 Decision making by background characteristics—Continued

Percentage of currently married women and currently married men age 15-49 who usually make specific decisions either by themselves or jointly with their spouse, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage of women who usually make specific decisions alone or jointly with their husband					Percentage of men who usually make specific decisions alone or jointly with their wife					
	Own health care	Making major household purchases	Visits to her family or relatives	Percentage who participate in all three decisions	Percentage who participate in none of the three decisions	Number of women	Own health care	Making major household purchases	Percentage who participate in both decisions	Percentage who participate in neither decision	Number of men
<b>Number of living children</b>											
0	68.7	65.5	69.4	57.1	23.0	311	86.2	91.9	81.4	3.3	440
1-2	76.8	76.6	77.1	68.3	15.5	2,016	84.2	92.2	79.3	3.0	1,379
3-4	71.1	68.8	70.7	58.7	19.6	790	81.9	87.6	75.4	5.9	498
5 or more	68.3	65.6	70.8	53.5	19.2	63	83.1	89.3	76.3	3.9	40
<b>Household structure<sup>1</sup></b>											
Nuclear	77.9	78.6	79.6	70.1	13.8	1,483	84.3	90.7	78.6	3.6	1,025
Non-nuclear	71.4	68.8	70.3	59.7	20.4	1,697	83.8	91.4	78.9	3.7	1,333
<b>Religion</b>											
Hindu	75.2	74.1	75.6	65.3	16.5	2,789	84.2	91.1	78.9	3.5	2,109
Muslim	66.7	66.5	66.2	56.5	24.1	316	81.1	89.5	75.8	5.2	216
Christian	73.9	68.5	70.2	66.1	23.7	53	*	*	*	*	23
<b>Caste/tribe</b>											
Scheduled caste	73.7	70.8	75.0	62.8	17.3	649	80.5	89.3	74.8	4.9	466
Scheduled tribe	76.5	74.2	74.3	65.7	16.0	305	84.7	90.1	78.0	3.2	203
Other backward class	75.3	74.6	75.4	65.6	16.6	1,932	83.9	91.2	78.6	3.5	1,343
Other	66.9	69.1	68.3	59.1	24.2	280	89.5	93.3	85.9	3.2	341
Total	74.4	73.4	74.7	64.5	17.3	3,180	84.1	91.1	78.8	3.7	2,358

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed. Total includes women/men belonging to other religions and women/men who don't know their caste/tribe, who are not shown separately.

nc = No cases

<sup>1</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.

**Table 100 Women's access to money and credit**

Percentage of women age 15-49 who have access to money, who know of a microcredit programme, who have taken a loan from a microcredit programme, and who are allowed to go to three specified places alone, and among women who own a mobile phone, percentage who use it for financial transactions by background characteristics, Karnataka, 2019-20

Background characteristic	Women's access to money		Women's knowledge and use of microcredit programmes			Number of women	Percentage who use mobile phone for financial transactions	Number of women who have a mobile phone
	Percentage who have money that they can decide how to use	Percentage who have a bank or savings account that they themselves use	Percentage who know of a microcredit programme	Percentage who have taken a loan from a microcredit programme	Percentage of women allowed to go to three specified places alone <sup>1</sup>			
<b>Age</b>								
15-19	46.7	83.8	49.5	5.8	23.1	632	45.7	294
20-24	55.3	86.2	54.6	13.6	29.3	694	53.0	495
25-29	57.8	86.7	58.8	16.2	26.6	684	44.7	459
30-39	63.7	91.3	61.6	24.0	35.1	1,301	41.1	881
40-49	61.8	91.2	55.9	19.1	36.9	1,143	35.1	623
<b>Residence</b>								
Urban	65.5	90.2	57.4	16.1	37.1	1,794	52.9	1,331
Rural	53.9	87.7	56.6	18.2	28.0	2,660	33.7	1,421
<b>Schooling</b>								
No schooling	58.4	86.5	52.4	19.5	31.5	900	25.9	344
<5 years complete	58.9	86.5	55.2	15.9	28.8	250	18.1	125
5-7 years complete	56.8	87.4	56.5	21.1	29.2	617	23.5	365
8-9 years complete	55.3	86.0	55.1	19.0	25.3	463	31.7	232
10-11 years complete	57.5	88.3	58.3	16.0	28.9	994	39.5	641
12 or more years complete	61.7	92.7	60.3	14.6	38.1	1,231	62.9	1,046
<b>Employment (past 12 months)</b>								
Employed	62.2	89.3	59.0	24.2	36.3	1,824	42.2	1,064
Employed, for cash	62.6	89.7	59.1	23.8	37.9	1,647	42.7	984
Employed, not for cash	58.7	85.4	58.2	27.8	21.6	176	35.7	80
Not employed	56.1	88.3	55.4	12.6	28.4	2,631	43.5	1,688
<b>Number of living children</b>								
0	53.2	84.8	53.3	10.0	30.5	1,340	54.6	807
1-2	63.7	91.4	60.0	20.7	33.2	2,188	40.0	1,496
3-4	53.7	88.2	54.9	20.1	29.9	856	33.1	424
5 or more	63.4	86.5	54.0	17.6	26.3	70	(13.0)	24
<b>Household structure<sup>2</sup></b>								
Nuclear	62.1	91.6	58.1	18.3	35.9	2,154	43.7	1,402
Non-nuclear	55.3	86.0	55.8	16.5	27.7	2,301	42.2	1,350

Continued...

**Table 100 Women's access to money and credit—Continued**

Percentage of women age 15-49 who have access to money, who know of a microcredit programme, who have taken a loan from a microcredit programme, and who are allowed to go to three specified places alone, and among women who own a mobile phone, percentage who use it for financial transactions by background characteristics, Karnataka, 2019-20

Background characteristic	Women's access to money		Women's knowledge and use of microcredit programmes			Number of women	Percentage who use mobile phone for financial transactions	Number of women who have a mobile phone
	Percentage who have money that they can decide how to use	Percentage who have a bank or savings account that they themselves use	Percentage who know of a microcredit programme	Percentage who have taken a loan from a microcredit programme	Percentage of women allowed to go to three specified places alone <sup>1</sup>			
<b>Religion</b>								
Hindu	59.4	88.6	57.4	17.7	33.7	3,881	42.9	2,415
Muslim	52.6	89.0	51.1	14.2	15.3	460	37.6	255
Christian	51.6	93.5	70.4	22.4	31.7	78	64.9	67
<b>Caste/tribe</b>								
Scheduled caste	59.6	89.1	52.1	17.2	31.3	937	37.7	506
Scheduled tribe	66.9	87.7	57.7	19.1	36.1	426	53.4	217
Other backward class	58.3	89.3	58.7	17.7	31.4	2,686	43.0	1,759
Other	48.8	85.0	54.7	14.6	30.1	373	44.9	247
<b>Total</b>	<b>58.6</b>	<b>88.7</b>	<b>56.9</b>	<b>17.3</b>	<b>31.6</b>	<b>4,454</b>	<b>43.0</b>	<b>2,752</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women belonging to other religions and women who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> To the market, to the health facility, and to places outside the village/community

<sup>2</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.



**Table 101 Ownership of assets**

Percentage of women and men age 15-49 who own a house or land either alone or jointly, percentage of women who own a mobile phone that they themselves use, and among women who own a mobile phone, percentage who can read SMS messages, according to background characteristics, Karnataka, 2019-20

Background characteristic	Women			Number of women	Among women who have a mobile phone, percentage who can read SMS messages	Number of women	Men		
	Own a house alone or jointly	Own land alone or jointly	Have a mobile phone that they themselves use				Own a house alone or jointly	Own land alone or jointly	Number of men
<b>Age</b>									
15-19	58.1	47.5	46.5	632	89.6	294	54.8	41.4	625
20-24	66.9	56.0	71.3	694	86.4	495	63.8	47.6	582
25-29	63.4	53.8	67.1	684	77.1	459	68.5	53.7	581
30-34	68.7	54.0	67.3	617	69.4	415	63.0	53.2	608
35-39	66.6	53.1	68.1	684	56.9	466	72.5	53.1	648
40-44	67.3	51.3	57.4	504	53.7	289	74.7	51.4	531
45-49	72.6	59.5	52.3	639	39.0	334	79.9	57.8	545
<b>Residence</b>									
Urban	62.8	48.0	74.2	1,794	72.8	1,331	64.8	40.4	1,718
Rural	68.5	57.6	53.4	2,660	64.4	1,421	70.1	58.7	2,402
<b>Religion</b>									
Hindu	67.0	55.1	62.2	3,881	68.2	2,415	67.8	51.4	3,624
Muslim	61.7	44.0	55.5	460	65.6	255	67.8	47.8	422
Christian	70.2	56.2	86.1	78	84.4	67	(89.4)	(60.3)	46
<b>Caste/tribe</b>									
Scheduled caste	67.0	53.7	54.0	937	63.1	506	70.6	47.6	796
Scheduled tribe	72.0	63.3	51.0	426	65.7	217	73.9	65.8	370
Other backward class	64.4	52.3	65.5	2,686	70.6	1,759	65.6	48.6	2,351
Other	68.3	51.3	66.4	373	65.4	247	69.4	56.1	595
<b>Schooling</b>									
No schooling	65.3	55.4	38.2	900	5.8	344	79.1	67.6	443
<5 years complete	69.2	54.9	49.9	250	16.6	125	71.1	52.8	234
5-7 years complete	65.4	50.5	59.1	617	43.5	365	71.0	52.8	509
8-9 years complete	61.0	50.4	50.1	463	67.3	232	62.8	46.1	605
10-11 years complete	68.6	55.6	64.5	994	82.5	641	61.5	43.1	943
12 or more years complete	66.6	53.6	85.0	1,231	95.6	1,046	69.2	52.4	1,386
<b>Household structure<sup>1</sup></b>									
Nuclear	64.1	51.4	65.1	2,154	65.4	1,402	65.9	47.1	1,987
Non-nuclear	68.1	55.8	58.7	2,301	71.6	1,350	69.7	54.8	2,133
Total age 15-49	66.2	53.7	61.8	4,454	68.5	2,752	67.9	51.1	4,120
Age 50-54	na	na	na	na	na	na	82.5	63.4	396
Total age 15-54	na	na	na	na	na	na	69.2	52.1	4,516

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women/men belonging to other religions and women/men who don't know their caste/tribe, who are not shown separately.

na = Not applicable

<sup>1</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.

**Table 102 Gender role attitudes**

Percentage of women and men age 15-49 with specific attitudes toward wife beating and refusal by a wife to have sex with her husband by reason, and percentage of men age 15-49 who agree that a man can behave in specific ways if his wife refuses to have sex with him, according to marital status, Karnataka, 2019-20

Reason/behaviour	Ever-married		Never married		Total	
	Women	Men	Women	Men	Women	Men
<b>Percentage who agree that a husband is justified in hitting or beating his wife if:</b>						
She goes out without telling him	35.7	34.7	32.0	32.8	34.9	33.9
She neglects the house or children	53.4	48.2	47.0	47.9	52.0	48.1
She argues with him	38.2	38.4	28.7	40.6	36.1	39.3
She refuses to have sexual intercourse with him	23.7	24.7	20.2	28.2	22.9	26.2
She doesn't cook properly	27.8	29.2	22.0	26.5	26.5	28.1
He suspects her of being unfaithful	45.6	49.7	41.4	49.4	44.7	49.6
She shows disrespect for in-laws	60.7	70.3	52.7	72.0	58.9	71.0
Percentage who agree with at least one specified reason	78.9	80.9	70.0	83.1	76.9	81.9
<b>Percentage who agree that a wife is justified in refusing to have sex with her husband when she:</b>						
Knows her husband has a sexually transmitted disease	86.4	84.2	83.9	79.8	85.8	82.3
Knows her husband has sex with other women	85.2	72.9	80.5	67.8	84.2	70.8
Is tired or not in the mood	84.0	58.8	81.2	57.8	83.4	58.4
Percentage who agree with all three reasons	76.2	49.8	72.8	46.0	75.4	48.2
Percentage who agree with none of the three reasons	7.3	8.1	11.7	10.1	8.3	8.9
<b>Percentage who agree that when a wife refuses to have sex with her husband, he has the right to:</b>						
Get angry and reprimand her	na	32.8	na	31.5	na	32.3
Refuse to give her financial support	na	28.5	na	25.2	na	27.1
Use force to have sex even if she doesn't want to	na	30.6	na	30.7	na	30.7
Have sex with another woman	na	31.2	na	30.9	na	31.1
Percentage who agree with all four behaviours	na	10.7	na	10.4	na	10.6
Percentage who agree with none of the four behaviours	na	43.5	na	45.8	na	44.5
Number of respondents	3,456	2,392	999	1,728	4,454	4,120

na = Not applicable

**Table 103 Gender role attitudes by background characteristics**

Percentage of women and men age 15-49 who agree that a husband is justified in hitting or beating his wife for at least one specified reason, who agree that a wife is justified in refusing to have sex with her husband for all specified reasons, and percentage of men who agree that when a wife refuses to have sex with her husband, the husband does not have the right to any of the four specified behaviours, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who agree that a husband is justified in hitting or beating his wife for at least one specified reason <sup>1</sup>		Percentage who agree that a wife is justified in refusing to have sex with her husband for all specified reasons <sup>2</sup>		Percentage who agree that when a wife refuses to have sex with her husband, he does not have the right to any of the four specified behaviours <sup>3</sup>	Number	
	Women	Men	Women	Men	Men	Women	Men
<b>Age</b>							
15-19	68.6	85.9	70.3	42.2	46.3	632	625
20-24	73.8	83.0	78.2	50.1	41.3	694	582
25-29	77.9	81.3	79.5	45.9	42.0	684	581
30-39	78.3	79.5	77.4	51.4	38.9	1,301	1,256
40-49	81.0	82.0	71.9	48.0	46.4	1,143	1,076
<b>Residence</b>							
Urban	79.0	84.2	80.0	41.0	45.0	1,794	1,718
Rural	75.4	80.1	72.4	53.3	41.2	2,660	2,402
<b>Schooling</b>							
No schooling	80.9	77.1	69.7	44.6	40.5	900	443
<5 years complete	83.3	81.7	71.0	47.1	42.8	250	234
5-7 years complete	77.9	83.2	77.7	50.3	42.0	617	509
8-9 years complete	76.7	84.7	72.4	50.8	42.8	463	605
10-11 years complete	77.6	83.6	76.6	49.2	45.3	994	943
12 or more years complete	71.6	80.5	79.6	46.9	42.1	1,231	1,386
<b>Employment (past 12 months)</b>							
Employed	80.3	81.5	75.4	50.1	41.9	1,824	3,323
Employed, for cash	80.9	80.8	75.7	50.4	41.6	1,647	3,121
Employed, not for cash	74.8	93.6	72.2	46.4	46.0	176	202
Not employed	74.5	83.2	75.5	39.9	46.6	2,631	796
<b>Marital status</b>							
Never married	70.0	83.1	72.8	46.0	43.1	999	1,728
Currently married	79.0	80.8	76.3	50.0	42.8	3,180	2,358
Widowed/divorced/separated/deserted	77.0	(86.0)	74.9	(33.3)	(22.3)	276	34
<b>Number of living children</b>							
0	70.9	83.4	73.9	44.5	43.5	1,340	2,168
1-2	78.7	79.0	78.4	52.4	42.8	2,188	1,406
3-4	81.5	82.9	70.1	52.5	39.1	856	505
5 or more	77.0	84.3	75.8	43.3	49.3	70	41
<b>Household structure<sup>4</sup></b>							
Nuclear	77.5	82.0	76.8	47.2	42.7	2,154	1,987
Non-nuclear	76.3	81.7	74.1	49.1	42.9	2,301	2,133

Continued...

**Table 103 Gender role attitudes by background characteristics—Continued**

Percentage of women and men age 15-49 who agree that a husband is justified in hitting or beating his wife for at least one specified reason, who agree that a wife is justified in refusing to have sex with her husband for all specified reasons, and percentage of men who agree that when a wife refuses to have sex with her husband, the husband does not have the right to any of the four specified behaviours, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who agree that a husband is justified in hitting or beating his wife for at least one specified reason <sup>1</sup>		Percentage who agree that a wife is justified in refusing to have sex with her husband for all specified reasons <sup>2</sup>		Percentage who agree that when a wife refuses to have sex with her husband, he does not have the right to any of the four specified behaviours <sup>3</sup>	Number	
	Women	Men	Women	Men	Men	Women	Men
<b>Religion</b>							
Hindu	77.0	83.2	75.4	47.1	41.8	3,881	3,624
Muslim	73.9	72.4	72.8	59.0	45.6	460	422
Christian	82.7	(85.9)	85.7	(19.9)	(69.9)	78	46
<b>Caste/tribe</b>							
Scheduled caste	83.2	84.8	74.8	46.4	42.3	937	796
Scheduled tribe	74.0	82.7	78.6	40.3	41.1	426	370
Other backward class	75.1	81.4	75.0	47.6	42.5	2,686	2,351
Other	76.8	79.0	76.7	57.5	45.9	373	595
Total	76.9	81.9	75.4	48.2	42.8	4,454	4,120

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women/men belonging to other religions and women/men who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Specified reasons are: she goes out without telling him, she neglects the house or children, she argues with him, she refuses to have sexual intercourse with him, she doesn't cook properly, he suspects she is unfaithful, and she shows disrespect for in-laws.

<sup>2</sup> Specified reasons are: knows husband has a sexually transmitted disease, knows husband has sex with other women, and is tired or not in the mood.

<sup>3</sup> Specified behaviours are: gets angry and reprimands her, refuses to give her financial support, uses force to have sex, and has sex with another woman.

<sup>4</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.

**Table 104 Experience of physical and sexual violence**

Percentage of women age 18-49 who have ever experienced physical or sexual violence; among those who have experienced physical violence, the person committing the violence; and among those who have experienced sexual violence, the person committing the violence the first time, by marital status, Karnataka, 2019-20

Type of violence/perpetrator	Ever-married	Never married	Total
<b>Type of violence experienced</b>			
Physical violence only	36.2	18.2	33.5
Sexual violence only	0.9	0.3	0.8
Physical and sexual violence	10.2	2.5	9.0
Physical or sexual violence	47.3	21.0	43.3
Number of women	2,582	453	3,035
<b>Person committing physical violence<sup>1</sup></b>			
Current husband	93.7	na	86.9
Former husband	0.4	na	0.4
Father/step-father	14.8	58.3	18.0
Mother/step-mother	18.5	60.2	21.6
Sister/brother	5.0	14.7	5.7
Daughter/son	0.0	13.9	1.0
Other relative	1.6	1.4	1.6
Current boyfriend	0.4	0.9	0.4
Former boyfriend	0.2	0.9	0.2
Mother-in-law	1.1	na	1.3
Father-in-law	0.2	na	0.2
Other-in-law	0.1	na	0.1
Teacher	1.4	7.3	1.8
Other	0.3	1.4	0.4
Number who experienced physical violence since age 15	1,198	94	1,291
<b>Person committing sexual violence the first time</b>			
Current husband	94.8	na	90.8
Former husband	1.0	na	1.4
Current/former boyfriend	1.6	*	2.2
Father/step-father	0.3	*	0.3
Brother/step-brother	0.9	*	0.9
Other relative	1.0	*	2.7
Family friend	0.2	*	1.0
Employer/someone at work	0.0	*	0.4
Police/soldier	0.3	*	0.3
Number who experienced sexual violence	285	12	297

Note: All women were asked about their experience of physical violence since age 15. Ever-married women were also asked about their experience of spousal physical violence at any age. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

na = Not applicable

<sup>1</sup> Women can report more than one person who committed the violence

**Table 105 Experience of violence during pregnancy**

Among women age 18-49 who have ever been pregnant, percentage who have ever experienced physical violence during pregnancy, by background characteristics, Karnataka, 2019-20

Background characteristic	Percentage who experienced violence during pregnancy	Number of women who have ever been pregnant
<b>Age</b>		
20-24	4.1	222
25-29	3.5	393
30-39	4.9	954
40-49	8.4	834
<b>Residence</b>		
Urban	4.9	916
Rural	6.4	1,498
<b>Marital status</b>		
Currently married	5.6	2,210
Widowed/divorced/separated/deserted	7.9	202
<b>Number of living children</b>		
0	7.2	60
1-2	5.5	1,579
3-4	5.6	709
5 or more	14.2	65
<b>Schooling</b>		
No schooling	7.0	652
<5 years complete	7.2	169
5-7 years complete	6.5	423
8-9 years complete	4.8	208
10-11 years complete	5.1	474
12 or more years complete	4.2	488
<b>Religion</b>		
Hindu	5.9	2,115
Muslim	6.0	249
Christian	(0.9)	34
<b>Caste/tribe</b>		
Scheduled caste	6.7	527
Scheduled tribe	5.5	229
Other backward class	5.0	1,454
Other	10.1	197
<b>Total</b>	<b>5.8</b>	<b>2,414</b>

Note: Figures in parentheses are based on 25-49 unweighted cases. Total includes women age 18-19, never married women, women belonging to other religions, and women who don't know their caste/tribe, who are not shown separately.

**Table 106 Forms of spousal violence**

Percentage of ever-married women age 18-49 who have experienced various forms of violence committed by their husband ever and in the 12 months preceding the survey, Karnataka, 2019-20

Type of violence	Ever <sup>1</sup>	In the past 12 months		
		Often	Sometimes	Often or sometimes
<b>Physical violence</b>				
Any form of physical violence	43.5	9.5	30.6	40.1
Pushed her, shook her, or threw something at her	21.3	4.5	15.6	20.2
Twisted her arm or pulled her hair	20.0	4.2	14.6	18.8
Slapped her	36.8	5.1	28.0	33.1
Punched her with his fist or with something that could hurt her	15.2	3.0	10.9	13.8
Kicked her, dragged her, or beat her up	17.2	4.1	11.7	15.8
Tried to choke her or burn her on purpose	5.0	2.2	2.2	4.4
Threatened her or attacked her with a knife, gun, or any other weapon	3.8	1.7	1.8	3.5
<b>Sexual violence</b>				
Any form of sexual violence	10.2	2.7	7.0	9.7
Physically forced her to have sexual intercourse with him even when she did not want to	8.4	2.2	5.7	7.9
Physically forced her to perform any sexual acts she did not want to	3.8	1.2	2.4	3.6
Forced her with threats or in any other way to perform sexual acts she did not want to	6.2	2.1	3.8	6.0
<b>Emotional violence</b>				
Any form of emotional violence	24.7	7.1	16.4	23.5
Said or did something to humiliate her in front of others	18.0	5.2	11.8	17.0
Threatened to hurt or harm her or someone close to her	13.6	3.7	9.2	12.9
Insulted her or made her feel bad about herself	15.9	3.9	11.0	14.9
Any form of physical and/or sexual violence	44.4	9.9	31.3	41.1
Any form of physical and sexual violence	9.2	2.3	6.3	8.7
Any form of physical and/or sexual and/or emotional violence	48.3	12.3	32.8	45.1
Any form of physical and sexual and emotional violence	7.0	1.9	4.6	6.5
Any violence by women against their husband <sup>2</sup>	5.4	1.8	3.3	5.1
Number of ever-married women	2,582	2,582	2,582	2,582

Note: Husband refers to the current husband for currently married women and the most recent husband for widowed, divorced, separated, or deserted women.

<sup>1</sup> Includes in the past 12 months

<sup>2</sup> Any violence by women against their husband when he was not already beating or physically hurting her

**Table 107 Spousal violence by background characteristics**

Percentage of ever-married women age 18-49 by whether they have ever experienced emotional, physical, or sexual violence committed by their husband, according to background characteristics, Karnataka, 2019-20

Background characteristic	Emotional violence	Physical violence	Sexual violence	Physical or sexual violence	Emotional, physical, or sexual violence	Number of women
<b>Age</b>						
18-19	(18.5)	(33.5)	(6.2)	(33.5)	(40.3)	39
20-24	20.9	33.1	7.2	34.6	39.0	255
25-29	24.1	43.4	10.1	44.4	49.3	424
30-39	23.8	45.0	10.8	46.0	49.5	998
40-49	27.5	45.4	10.5	46.1	49.5	866
<b>Residence</b>						
Urban	26.2	43.5	9.9	44.5	47.9	980
Rural	23.8	43.5	10.3	44.4	48.5	1,602
<b>Schooling</b>						
No schooling	29.8	54.1	15.1	54.6	57.9	694
<5 years complete	36.7	47.0	9.9	48.0	54.4	177
5-7 years complete	22.5	46.8	9.5	47.5	49.9	444
8-9 years complete	22.4	37.3	6.3	39.1	44.3	218
10-11 years complete	22.9	40.3	10.0	41.4	45.6	519
12 or more years complete	18.8	31.5	6.1	32.6	36.7	530
<b>Employment (past 12 months)</b>						
Not employed	19.8	38.8	6.9	39.8	43.5	1,342
Employed for cash	31.3	49.7	14.1	50.6	54.6	1,117
Employed not for cash	18.8	38.2	9.8	39.2	43.5	124
<b>Marital status</b>						
Currently married	23.8	42.7	9.6	43.7	47.5	2,360
Widowed	30.2	49.2	12.5	50.5	56.1	164
Divorced/separated/deserted	45.7	58.7	25.7	58.7	59.8	59
<b>Marital duration<sup>1</sup></b>						
Married only once	24.6	43.4	10.0	44.3	48.2	2,563
0-4 years	18.9	31.6	5.3	32.7	38.0	316
5-9 years	26.3	41.7	10.8	43.0	47.7	435
10 or more years	25.1	45.9	10.6	46.7	50.0	1,812
Married more than once	(49.6)	(58.4)	(34.5)	(58.4)	(69.8)	19
<b>Number of living children</b>						
0	25.9	38.7	8.6	40.2	46.8	231
1-2	22.3	38.7	9.1	39.6	43.7	1,578
3-4	29.0	54.6	12.3	55.3	58.0	708
5 or more	34.2	56.4	17.3	59.7	60.7	65
<b>Household structure<sup>2</sup></b>						
Nuclear	23.9	43.3	9.5	44.1	47.3	1,220
Non-nuclear	25.5	43.7	10.8	44.8	49.2	1,363
<b>Religion</b>						
Hindu	25.7	44.3	10.3	45.2	48.9	2,270
Muslim	19.6	39.7	9.4	40.8	46.0	262
Christian	(11.5)	(27.9)	(7.6)	(27.9)	(35.0)	35

Continued...



Table 107 Spousal violence by background characteristics—Continued

Percentage of ever-married women age 18-49 by whether they have ever experienced emotional, physical, or sexual violence committed by their husband, according to background characteristics, Karnataka, 2019-20

Background characteristic	Emotional violence	Physical violence	Sexual violence	Physical or sexual violence	Emotional, physical, or sexual violence	Number of women
<b>Caste/tribe</b>						
Scheduled caste	30.7	49.3	12.1	50.0	55.0	559
Scheduled tribe	23.6	46.3	7.3	47.5	50.0	248
Other backward class	22.5	39.9	9.9	41.0	44.3	1,557
Other	27.4	52.1	10.6	52.6	58.7	212
<b>Respondent's father beat her mother</b>						
Yes	33.3	62.5	15.7	63.5	66.4	815
No	20.8	34.9	7.5	35.7	40.1	1,729
Don't know	(17.9)	(29.9)	(9.6)	(29.9)	(35.1)	38
Total	24.7	43.5	10.2	44.4	48.3	2,582

Note: Husband refers to the current husband for currently married women and the most recent husband for widowed, divorced, separated, or deserted women. Figures in parentheses are based on 25-49 unweighted cases. Total includes women belonging to other religions and women who don't know their caste/tribe, who are not shown separately.

<sup>1</sup> Currently married women only

<sup>2</sup> Nuclear households are households comprised of a married couple or a man or a woman living alone or with unmarried children (biological, adopted, or fostered) with or without unrelated individuals. The remaining households are non-nuclear households.

**Table 108 Spousal violence by husband's characteristics and empowerment indicators**

Percentage of ever-married women age 18-49 who have ever suffered emotional, physical, or sexual violence committed by their husband, according to his characteristics, marital characteristics, and selected empowerment indicators, Karnataka, 2019-20

Background characteristic	Emotional violence	Physical violence	Sexual violence	Physical or sexual violence	Emotional, physical, or sexual violence	Number of women
<b>Husband's schooling</b>						
No schooling	31.8	55.8	14.5	56.1	60.8	585
<5 years complete	23.4	43.4	8.0	45.2	48.8	234
5-7 years complete	30.7	49.1	12.2	51.0	55.0	399
8-9 years complete	21.3	42.4	10.1	43.5	46.2	226
10-11 years complete	23.9	41.2	8.7	41.9	45.6	499
12 or more years complete	16.8	30.5	6.7	31.2	34.8	631
<b>Husband's alcohol consumption</b>						
Does not drink	19.9	36.5	6.6	37.2	41.7	1,938
Gets drunk sometimes	29.7	61.0	14.4	62.9	65.3	417
Gets drunk often	57.7	72.5	33.3	72.9	74.6	225
<b>Spousal age difference<sup>1</sup></b>						
Wife is same age	(22.5)	(48.4)	(9.0)	(49.4)	(49.4)	46
Wife 1-4 years younger	23.4	43.4	10.6	44.2	47.7	538
Wife 5-9 years younger	24.5	45.7	9.5	46.7	50.7	1,112
Wife 10 or more years younger	23.3	37.5	8.7	38.3	42.2	634
<b>Spousal schooling difference</b>						
Husband has more schooling	22.8	42.2	10.1	43.1	46.4	1,014
Wife has more schooling	25.4	41.1	9.2	42.7	47.7	780
Both have equal schooling	21.9	36.7	6.9	37.3	40.9	400
Neither attended school	31.5	58.3	15.5	58.3	61.9	380
<b>Number of marital control behaviours displayed by husband<sup>2</sup></b>						
0	5.7	21.9	2.2	22.7	24.2	1,290
1-2	24.6	51.6	8.4	53.2	59.1	637
3-4	44.3	71.5	19.8	72.8	82.2	320
5-6	79.5	84.3	34.8	84.3	88.3	336
<b>Number of decisions in which women participate<sup>3</sup></b>						
0	32.5	44.5	13.4	45.5	52.8	412
1-2	31.4	52.9	14.4	54.4	57.9	444
3	19.2	39.3	7.1	40.0	43.0	1,504
<b>Number of reasons for which wife beating is justified<sup>4</sup></b>						
0	15.8	28.6	3.2	29.1	32.6	524
1-2	17.2	35.1	8.6	36.6	39.0	559
3-4	30.2	52.4	11.9	53.1	57.4	936
5-6	32.8	53.9	15.2	55.5	59.3	331
7	29.7	46.9	15.2	47.5	53.6	232

*Continued...*

Table 108 Spousal violence by husband's characteristics and empowerment indicators—*Continued*

Percentage of ever-married women age 18-49 who have ever suffered emotional, physical, or sexual violence committed by their husband, according to his characteristics, marital characteristics, and selected empowerment indicators, Karnataka, 2019-20

Background characteristic	Emotional violence	Physical violence	Sexual violence	Physical or sexual violence	Emotional, physical, or sexual violence	Number of women
<b>Number of reasons given for refusing to have sexual intercourse with husband<sup>5</sup></b>						
0	29.4	43.2	14.1	43.2	49.6	195
1-2	33.3	41.8	13.5	43.0	49.6	441
3	22.3	43.9	9.0	44.9	47.9	1,946
<b>Afraid of husband</b>						
Most of the time	50.4	67.5	28.9	69.1	72.2	352
Sometimes	22.4	44.6	8.4	45.6	49.2	1,818
Never	13.0	18.2	2.0	18.3	24.0	413
Total	24.7	43.5	10.2	44.4	48.3	2,582

Note: Husband refers to the current husband for currently married women and the most recent husband for widowed, divorced, separated, or deserted women. Figures in parentheses are based on 25-49 unweighted cases. Total includes women whose husband drinks alcohol but never gets drunk and women who are older than their husband, who are not shown separately.

<sup>1</sup> Currently married women only

<sup>2</sup> Behaviours include: Is jealous or angry if she talks to other men, frequently accuses her of being unfaithful, does not permit her to meet her female friends, tries to limit her contact with her family, insists on knowing where she is at all times, and does not trust her with any money

<sup>3</sup> Currently married women only. Decisions included are decisions about own health care, major household purchases, and visits to her family or relatives.

<sup>4</sup> Reasons given for which wife beating is justified include: she goes out without telling him, she neglects the house or children, she argues with him, she refuses to have sexual intercourse with him, she doesn't cook properly, he suspects she is unfaithful, and she shows disrespect for in-laws

<sup>5</sup> Reasons given for refusing to have sexual intercourse with husband include: she knows her husband has a sexually transmitted disease, she knows her husband has sex with other women, and she is tired or not in the mood

**Table 109 Injuries to women due to spousal violence**

Percentage of ever-married women age 18-49 who have experienced spousal violence by types of injuries resulting from what their husband did to them, the type of violence, and whether they have experienced the violence ever and in the 12 months preceding the survey, Karnataka, 2019-20

Type of spousal violence experienced	Percentage of women who have had:					Number of ever-married women
	Cuts, bruises, or aches	Severe burns	Eye injuries, sprains, dislocations, or minor burns	Deep wounds, broken bones, broken teeth, or any other serious injury	Any of these injuries	
<b>Experienced physical violence</b>						
Ever <sup>1</sup>	22.2	7.3	8.3	10.3	26.1	1,124
In the past 12 months	23.1	8.0	8.6	10.6	27.1	1,035
<b>Experienced sexual violence</b>						
Ever <sup>1</sup>	40.4	23.1	25.3	29.8	48.4	263
In the past 12 months	41.0	23.8	26.0	29.5	48.9	252
<b>Experienced physical or sexual violence</b>						
Ever <sup>1</sup>	21.9	7.3	8.2	10.1	25.8	1,148
In the past 12 months	22.8	7.8	8.5	10.4	26.8	1,062
<b>Experienced physical and sexual violence</b>						
Ever <sup>1</sup>	43.8	25.1	27.5	32.8	51.9	239
In the past 12 months	45.0	26.4	28.7	32.9	53.2	224

Note: Husband refers to the current husband for currently married women and the most recent husband for widowed, divorced, separated, or deserted women.

<sup>1</sup> Includes violence in the past 12 months

**Table 110 Help seeking**

Percentage of women age 18-49 who have ever experienced physical or sexual violence by whether they have ever sought help, and among those who have sought help from any source, the source from which help was sought, according to the type of violence experienced and marital status, Karnataka, 2019-20

Help seeking/source of help	Type of violence experienced			Marital status		Total
	Physical only	Sexual only	Both physical and sexual	Ever-married	Never married	
<b>Help seeking</b>						
Never sought help and never told anyone	70.8	(86.7)	58.8	69.0	63.5	68.6
Never sought help but told someone	12.6	(4.3)	18.9	14.0	11.5	13.8
Sought help	16.6	(9.0)	22.2	17.0	25.0	17.6
Number of women who experienced violence	1,018	24	273	1,220	95	1,315
<b>Sources of help among those who sought any help<sup>1</sup></b>						
Own family	67.2	*	49.3	61.2	*	62.1
Husband's family	37.8	*	48.0	42.1	*	40.4
Current/former husband	1.3	*	4.8	1.8	*	2.2
Current/former boyfriend	0.2	*	1.7	0.7	*	0.6
Friend	36.6	*	26.8	32.2	*	33.9
Neighbour	3.8	*	5.1	4.8	*	4.3
Religious leader	2.7	*	5.2	3.7	*	3.3
Doctor/medical personnel	14.3	*	3.3	12.4	*	11.3
Police	14.3	*	7.6	13.7	*	12.4
Lawyer	14.3	*	6.3	13.3	*	12.1
Social service organization	14.1	*	5.6	12.9	*	11.7
Number of women who experienced violence and sought help	168	2	61	208	24	231

Note: Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Women can report more than one source from which they sought help.



## APPENDIX

### ESTIMATES OF SAMPLING ERRORS

The estimates from a sample survey are affected by two types of errors: (1) non-sampling errors, and (2) sampling errors. Non-sampling errors are the results of mistakes made in implementing data collection and data processing, such as failure to locate and interview the correct household, misunderstanding of the questions on the part of either the interviewer or the respondent, and data entry errors. Although numerous efforts were made during the implementation of the fifth National Family Health Survey (NFHS-5) to minimize this type of error, non-sampling errors are impossible to avoid and difficult to evaluate statistically.

Sampling errors, on the other hand, can be evaluated statistically. The sample of respondents selected in NFHS-5 is only one of many samples that could have been selected from the same population, using the same design and expected sample size. Each of these samples would yield results that differ somewhat from the results of the actual sample selected. Sampling errors are a measure of the variability among all possible samples. Although the degree of variability is not known exactly, it can be estimated from the survey results.

A sampling error is usually measured in terms of the standard error for a particular statistic (mean, percentage, etc.), which is the square root of the variance. The standard error can be used to calculate confidence intervals within which the true value for the population can reasonably be assumed to fall. For example, for any given statistic calculated from a sample survey, the value of that statistic will fall within a range of plus or minus two times the standard error of that statistic in 95 percent of all possible samples of identical size and design.

If the sample of respondents had been selected as a simple random sample, it would have been possible to use straightforward formulas for calculating sampling errors. However, the NFHS-5 sample is the result of a multi-stage stratified design, and, consequently, it was necessary to use more complex formulae. The computer software used to calculate sampling errors for NFHS-5 is programmed in SAS. This procedure uses the Taylor linearization method for variance estimation for survey estimates that are means or proportions. The Jackknife repeated replication method is used for variance estimation of more complex statistics such as total fertility rates and child mortality rates.

The Taylor linearization method treats any proportion or mean as a ratio estimate,  $r = y/x$ , where  $y$  represents the total sample value for variable  $y$ , and  $x$  represents the total number of cases in the group or subgroup under consideration. The variance of  $r$  is computed using the formula given below, with the standard error being the square root of the variance:

$$SE^2(r) = var(r) = \frac{1-f}{x^2} \sum_{h=1}^H \left[ \frac{m_h}{m_h - 1} \left( \sum_{i=1}^{m_h} z_{hi}^2 - \frac{z_h^2}{m_h} \right) \right]$$

in which

$$z_{hi} = y_{hi} - rx_{hi}, \text{ and } z_h = y_h - rx_h$$

- where  $h$  represents the stratum, which varies from 1 to  $H$ ,  
 $m_h$  is the total number of clusters selected in the  $h^{\text{th}}$  stratum,  
 $y_{hi}$  is the sum of the weighted values of variable  $y$  in the  $i^{\text{th}}$  cluster in the  $h^{\text{th}}$  stratum,  
 $x_{hi}$  is the sum of the weighted number of cases in the  $i^{\text{th}}$  cluster in the  $h^{\text{th}}$  stratum, and  
 $f$  is the overall sampling fraction, which is so small that it is ignored.

The Jackknife repeated replication method derives estimates of complex rates from each of several replications of the parent sample, and calculates standard errors for these estimates using simple formulae. Each replication considers all but one cluster in the calculation of the estimates. Pseudo-independent replications are thus created. In the NFHS-5 sample for Karnataka, there were 1,260 clusters. Hence, 1,260 replications were created. The variance of a rate  $r$  is calculated as follows:

$$SE^2(r) = var(r) = \frac{1}{k(k-1)} \sum_{i=1}^k (r_i - r)^2$$

in which

$$r_i = kr - (k-1)r_{(i)}$$

- where  $r$  is the estimate computed from the full sample of 1,260 clusters,  
 $r_{(i)}$  is the estimate computed from the reduced sample of 1,259 clusters ( $i^{\text{th}}$  cluster excluded), and  
 $k$  is the total number of clusters.

In addition to the standard error, the design effect (DEFT) for each estimate is computed, which is defined as the ratio between the standard error using the given sample design and the standard error that would result if a simple random sample had been used. A DEFT value of 1.0 indicates that the sample design is as efficient as a simple random sample, while a value greater than 1.0 indicates the increase in the sampling error due to the use of a more complex and less statistically efficient design. The relative standard error (SE/R) and confidence limits ( $R \pm 2SE$ ) for each estimate are also computed.

Sampling errors for NFHS-5 are calculated for selected variables considered to be of primary interest. The results are presented in this appendix for Karnataka as a whole and for the urban and rural areas of the state. For each variable, the type of statistic (mean, proportion, rate, or ratio) and the base population are given in Table A.1. Tables A.2-A.4 present the total, urban, and rural values of the statistic (R), their standard errors (SE), the number of unweighted (N) and weighted (WN) cases, the design effect (DEFT), the relative standard error (SE/R), and the 95 percent confidence limits ( $R \pm 2SE$ ) for each variable. The DEFT is considered undefined when the standard error for a simple random sample is zero (when the estimate is close to 0 or 1).



**Table A.1 List of variables for sampling errors, Karnataka, 2019-20**

Variable	Estimate	Base population
HOUSEHOLDS		
Using an improved source of drinking water	Proportion	Households
Using an improved sanitation facility	Proportion	Households
Using iodized salt	Proportion	Households
Sex ratio (females per 1,000 males)	Ratio	<i>De facto</i> household population, all ages
WOMEN		
No schooling (Females age 6 years and above)	Proportion	<i>De facto</i> household population of females age 6 and above
Urban residence	Proportion	Women age 15-49
No schooling (Women age 15-49)	Proportion	Women age 15-49
Completed 10 or more years of schooling	Proportion	Women age 15-49
Never married, including married <i>gauna</i> not performed	Proportion	Women age 15-49
Currently married	Proportion	Women age 15-49
Married before age 18	Proportion	Women age 20-49
Currently using any contraceptive method	Proportion	Currently married women age 15-49
Currently using a modern contraceptive method	Proportion	Currently married women age 15-49
Currently using a traditional contraceptive method	Proportion	Currently married women age 15-49
Currently using pill	Proportion	Currently married women age 15-49
Currently using IUD/PPIUD	Proportion	Currently married women age 15-49
Currently using condom/ <i>Nirodh</i>	Proportion	Currently married women age 15-49
Currently using female sterilization	Proportion	Currently married women age 15-49
Using public health sector source of contraception	Proportion	Women age 15-49 currently using modern methods of contraception
Unmet need for family planning	Proportion	Currently married women age 15-49
Want no more children	Proportion	Currently married women age 15-49
Want to delay next birth at least 2 years	Proportion	Currently married women age 15-49
Mother received four or more antenatal care (ANC) visits	Proportion	Women with at least one birth in last five years (last birth)
Took iron and folic acid (IFA) for 100 days or more	Proportion	Women with at least one birth in last five years (last birth)
Birth registration	Proportion	<i>De jure</i> children under age 5 years
Births delivered by a skilled provider	Proportion	Births in last 5 years
Institutional delivery	Proportion	Births in last 5 years
Postnatal check for mother within 2 days of birth	Proportion	Women with at least one birth in last five years (last birth)
Postnatal check for newborn within 2 days of birth	Proportion	Women with at least one birth in last five years (last birth)
Children with diarrhoea in the last two weeks	Proportion	Children under age 5 years
Treated with oral rehydration salt (ORS) packets	Proportion	Children under age 5 years with diarrhoea in last 2 weeks
Children with diarrhoea taken to a health provider	Proportion	Children under age 5 years with diarrhoea in last 2 weeks
Child received BCG vaccination	Proportion	Children age 12-23 months
Child received penta or DPT vaccination (3 doses)	Proportion	Children age 12-23 months
Child received polio vaccination (3 doses)	Proportion	Children age 12-23 months
Child received first dose of measles vaccine	Proportion	Children age 12-23 months
Child received penta or hepatitis B vaccination (3 doses)	Proportion	Children age 12-23 months
Child with all basic vaccinations	Proportion	Children age 12-23 months
Height-for-age, stunting (below -2SD)	Proportion	Children under age 5 years who were measured
Weight-for-height, wasting (below -2SD)	Proportion	Children under age 5 years who were measured
Weight-for-age, underweight (below -2SD)	Proportion	Children under age 5 years who were measured
Children with any anaemia	Proportion	Children age 6-59 months with an anaemia test
Women with any anaemia	Proportion	Women age 15-49 with an anaemia test
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	Proportion	Women age 15-49 who were measured
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	Proportion	Women age 15-49 who were measured
Waist-to-hip ratio ≥0.85	Proportion	Women age 15-49 who were measured
Have heard of HIV or AIDS	Proportion	Women age 15-49
Have comprehensive knowledge about HIV/AIDS	Proportion	Women age 15-49
Ever experienced physical or sexual violence	Proportion	Women age 15-49
Total fertility rate (last 3 years)	Rate	Women
Neonatal mortality	Rate	Births in last 5 years
Postneonatal mortality	Rate	Births in last 5 years
Infant mortality	Rate	Births in last 5 years
Child mortality	Rate	Births in last 5 years
Under-five mortality	Rate	Births in last 5 years
MEN		
No schooling (Males age 6 years and above)	Proportion	<i>De facto</i> household population of males age 6 and above
Urban residence	Proportion	Men age 15-49
No schooling (Men age 15-49)	Proportion	Men age 15-49
Completed 10 or more years of schooling	Proportion	Men age 15-49
Never married, including married <i>gauna</i> not performed	Proportion	Men age 15-49
Currently married	Proportion	Men age 15-49
Married before age 21	Proportion	Men age 25-49
Want no more children	Proportion	Currently married men age 15-49
Want to delay next birth at least 2 years	Proportion	Currently married men age 15-49
Men with any anaemia	Proportion	Men age 15-49 with an anaemia test
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	Proportion	Men age 15-49 who were measured
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	Proportion	Men age 15-49 who were measured
Waist-to-hip ratio ≥0.90	Proportion	Men age 15-49 who were measured
Have heard of HIV or AIDS	Proportion	Men age 15-49
Have comprehensive knowledge about HIV/AIDS	Proportion	Men age 15-49

**Table A.2 Sampling errors: Total sample, Karnataka, 2019-20**

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative standard error (SE/R)	Confidence limits	
			Unweighted (N)	Weighted (WN)			R-2SE	R+2SE
HOUSEHOLDS								
Using an improved source of drinking water	0.956	0.003	26,574	26,574	2.500	0.003	0.949	0.962
Using an improved sanitation facility	0.751	0.006	26,574	26,574	2.146	0.008	0.740	0.763
Using iodized salt	0.928	0.003	26,494	26,481	1.711	0.003	0.923	0.934
Sex ratio (females per 1,000 males)	1034.198	5.648	55,612	54,799	1.294	0.005	1022.902	1045.494
WOMEN								
No schooling (Females age 6 years and above)	0.270	0.003	52,845	51,935	1.668	0.012	0.264	0.277
Urban residence	0.406	0.006	30,455	30,455	2.036	0.014	0.394	0.417
No schooling (Women age 15-49)	0.195	0.004	30,455	30,455	1.689	0.020	0.187	0.202
Completed 10 or more years of schooling	0.502	0.006	30,455	30,455	2.014	0.011	0.491	0.514
Never married, including married <i>gauna</i> not performed	0.218	0.004	30,455	30,455	1.521	0.017	0.211	0.225
Currently married	0.719	0.004	30,455	30,455	1.571	0.006	0.711	0.727
Married before age 18	0.345	0.005	25,970	26,081	1.560	0.013	0.336	0.354
Currently using any contraceptive method	0.687	0.006	21,855	21,891	1.829	0.008	0.676	0.699
Currently using a modern contraceptive method	0.682	0.006	21,855	21,891	1.823	0.008	0.670	0.693
Currently using a traditional contraceptive method	0.006	0.001	21,855	21,891	1.395	0.124	0.004	0.007
Currently using pill	0.021	0.002	21,855	21,891	1.894	0.087	0.018	0.025
Currently using IUD/PPIUD	0.029	0.002	21,855	21,891	1.548	0.061	0.025	0.032
Currently using condom/ <i>Nirodha</i>	0.041	0.002	21,855	21,891	1.791	0.059	0.036	0.046
Currently using female sterilization	0.574	0.006	21,855	21,891	1.678	0.010	0.563	0.585
Using public health sector source of contraception	0.804	0.006	15,932	16,021	1.996	0.008	0.791	0.816
Unmet need for family planning	0.064	0.002	21,855	21,891	1.467	0.038	0.060	0.069
Want no more children	0.692	0.005	21,855	21,891	1.645	0.007	0.681	0.702
Want to delay next birth at least 2 years	0.081	0.003	21,855	21,891	1.659	0.038	0.074	0.087
Mother received four or more antenatal care (ANC) visits	0.708	0.010	6,389	6,246	1.763	0.014	0.688	0.729
Took iron and folic acid (IFA) for 100 days or more	0.447	0.011	6,389	6,246	1.828	0.026	0.424	0.470
Birth registration	0.975	0.003	8,094	7,819	1.284	0.003	0.970	0.981
Births delivered by a skilled provider	0.938	0.004	8,383	8,159	1.423	0.005	0.929	0.947
Institutional delivery	0.970	0.003	8,383	8,159	1.336	0.003	0.964	0.975
Postnatal check for mother within 2 days of birth	0.879	0.007	6,389	6,246	1.626	0.008	0.866	0.892
Postnatal check for newborn within 2 days of birth	0.863	0.007	6,389	6,246	1.500	0.008	0.850	0.876
Children with diarrhoea in the last two weeks	0.052	0.003	8,146	7,937	1.207	0.059	0.046	0.059
Treated with oral rehydration salt (ORS) packets	0.713	0.025	461	416	1.098	0.034	0.664	0.762
Children with diarrhoea taken to a health provider	0.734	0.021	461	416	0.985	0.029	0.692	0.776
Child received BCG vaccination	0.971	0.006	1,585	1,566	1.481	0.006	0.959	0.984
Child received penta or DPT vaccination (3 doses)	0.921	0.009	1,585	1,566	1.356	0.010	0.902	0.939
Child received polio vaccination (3 doses)	0.875	0.014	1,585	1,566	1.631	0.015	0.848	0.903
Child received first dose of measles vaccine	0.914	0.011	1,585	1,566	1.508	0.012	0.892	0.935
Child received penta or hepatitis B vaccination (3 doses)	0.888	0.012	1,585	1,566	1.489	0.013	0.865	0.912
Child with all basic vaccinations	0.841	0.014	1,585	1,566	1.514	0.017	0.813	0.869
Height-for-age, stunting (below -2SD)	0.354	0.008	7,220	6,785	1.360	0.024	0.337	0.371
Weight-for-height, wasting (below -2SD)	0.195	0.008	6,998	6,563	1.537	0.041	0.179	0.211
Weight-for-age, underweight (below -2SD)	0.329	0.009	7,430	6,991	1.420	0.026	0.312	0.346
Children with any anaemia	0.655	0.009	6,122	5,879	1.439	0.014	0.637	0.673
Women with any anaemia	0.478	0.005	29,052	28,725	1.533	0.009	0.469	0.487
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.172	0.004	28,200	27,941	1.569	0.021	0.164	0.179
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.301	0.005	28,200	27,941	1.853	0.017	0.291	0.312
Waist-to-hip ratio ≥0.85	0.450	0.008	28,178	27,919	2.838	0.019	0.433	0.467
Have heard of HIV or AIDS	0.973	0.004	4,555	4,454	1.588	0.004	0.965	0.980
Have comprehensive knowledge about HIV/AIDS	0.245	0.014	4,555	4,454	2.130	0.055	0.217	0.272
Ever experienced physical or sexual violence	0.433	0.016	3,035	3,035	1.776	0.037	0.401	0.465
Total fertility rate (last 3 years)	1.675	0.035	87,048	87,224	1.418	0.021	1.605	1.744
Neonatal mortality	15.805	1.900	8,412	8,184	1.291	0.120	12.005	19.606
Postneonatal mortality	9.591	1.282	8,439	8,215	1.163	0.134	7.027	12.156
Infant mortality	25.396	2.301	8,419	8,190	1.247	0.091	20.794	29.999
Child mortality	4.219	0.745	8,567	8,405	1.082	0.177	2.729	5.709
Under-five mortality	29.508	2.422	8,432	8,204	1.216	0.082	24.663	34.353
MEN								
No schooling (Males age 6 years and above)	0.140	0.003	50,461	49,875	1.759	0.020	0.134	0.146
Urban residence	0.417	0.013	4,099	4,120	1.713	0.032	0.391	0.443
No schooling (Men age 15-49)	0.108	0.010	4,099	4,120	2.165	0.097	0.087	0.128
Completed 10 or more years of schooling	0.565	0.015	4,099	4,120	1.995	0.027	0.535	0.596
Never married, including married <i>gauna</i> not performed	0.419	0.010	4,099	4,120	1.338	0.025	0.399	0.440
Currently married	0.572	0.010	4,099	4,120	1.357	0.018	0.551	0.593
Married before age 21	0.102	0.008	2,899	2,913	1.508	0.083	0.085	0.118
Want no more children	0.643	0.020	2,349	2,358	2.067	0.032	0.602	0.684
Want to delay next birth at least 2 years	0.105	0.012	2,349	2,358	1.823	0.110	0.082	0.128
Men with any anaemia	0.196	0.013	3,715	3,675	1.803	0.065	0.171	0.222
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.143	0.008	3,775	3,746	1.297	0.056	0.127	0.159
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.309	0.015	3,775	3,746	1.841	0.048	0.279	0.338
Waist-to-hip ratio ≥0.90	0.389	0.019	3,773	3,744	2.407	0.049	0.351	0.428
Have heard of HIV or AIDS	0.983	0.004	4,099	4,120	1.759	0.004	0.976	0.990
Have comprehensive knowledge about HIV/AIDS	0.266	0.024	4,099	4,120	3.499	0.091	0.217	0.314

**Table A.3 Sampling errors: Urban sample, Karnataka, 2019-20**

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative standard error (SE/R)	Confidence limits	
			Unweighted (N)	Weighted (WN)			R-2SE	R+2SE
HOUSEHOLDS								
Using an improved source of drinking water	0.974	0.004	7,727	10,981	2.246	0.004	0.966	0.982
Using an improved sanitation facility	0.844	0.010	7,727	10,981	2.431	0.012	0.824	0.864
Using iodized salt	0.977	0.002	7,703	10,933	1.346	0.002	0.973	0.982
Sex ratio (females per 1,000 males)	1033.734	11.476	15,983	21,697	1.377	0.011	1010.783	1056.686
WOMEN								
No schooling (Females age 6 years and above)	0.180	0.006	15,199	20,612	1.933	0.034	0.168	0.193
No schooling (Women age 15-49)	0.125	0.007	8,962	12,361	2.058	0.058	0.111	0.139
Completed 10 or more years of schooling	0.623	0.013	8,962	12,361	2.477	0.020	0.598	0.648
Never married, including married <i>gauna</i> not performed	0.239	0.008	8,962	12,361	1.674	0.032	0.224	0.254
Currently married	0.702	0.008	8,962	12,361	1.741	0.012	0.685	0.719
Married before age 18	0.282	0.009	7,652	10,686	1.749	0.032	0.264	0.300
Currently using any contraceptive method	0.696	0.011	6,193	8,680	1.912	0.016	0.674	0.719
Currently using a modern contraceptive method	0.688	0.011	6,193	8,680	1.915	0.016	0.666	0.711
Currently using a traditional contraceptive method	0.008	0.002	6,193	8,680	1.401	0.197	0.005	0.011
Currently using pill	0.021	0.004	6,193	8,680	2.003	0.174	0.014	0.028
Currently using IUD/PPIUD	0.034	0.004	6,193	8,680	1.585	0.107	0.027	0.041
Currently using condom/ <i>Nirodh</i>	0.060	0.005	6,193	8,680	1.688	0.085	0.050	0.070
Currently using female sterilization	0.552	0.011	6,193	8,680	1.668	0.019	0.531	0.573
Using public health sector source of contraception	0.706	0.015	4,475	6,404	2.176	0.021	0.677	0.736
Unmet need for family planning	0.073	0.005	6,193	8,680	1.505	0.068	0.063	0.083
Want no more children	0.678	0.011	6,193	8,680	1.836	0.016	0.656	0.699
Want to delay next birth at least 2 years	0.093	0.007	6,193	8,680	1.779	0.071	0.080	0.106
Mother received four or more antenatal care (ANC) visits	0.712	0.020	1,852	2,404	1.815	0.028	0.673	0.752
Took iron and folic acid (IFA) for 100 days or more	0.507	0.024	1,852	2,404	1.975	0.047	0.459	0.554
Birth registration	0.987	0.003	2,307	2,921	1.225	0.003	0.981	0.994
Births delivered by a skilled provider	0.962	0.007	2,357	3,035	1.480	0.008	0.947	0.976
Institutional delivery	0.983	0.005	2,357	3,035	1.512	0.005	0.974	0.993
Postnatal check for mother within 2 days of birth	0.873	0.014	1,852	2,404	1.731	0.016	0.845	0.900
Postnatal check for newborn within 2 days of birth	0.865	0.013	1,852	2,404	1.560	0.015	0.840	0.891
Children with diarrhoea in the last two weeks	0.046	0.005	2,301	2,966	1.170	0.117	0.035	0.057
Treated with oral rehydration salt (ORS) packets	0.790	0.039	133	136	0.946	0.050	0.712	0.869
Children with diarrhoea taken to a health provider	0.744	0.041	133	136	0.934	0.056	0.661	0.827
Child received BCG vaccination	0.966	0.013	439	578	1.521	0.014	0.939	0.993
Child received penta or DPT vaccination (3 doses)	0.913	0.020	439	578	1.430	0.022	0.874	0.953
Child received polio vaccination (3 doses)	0.825	0.031	439	578	1.685	0.038	0.763	0.887
Child received first dose of measles vaccine	0.891	0.024	439	578	1.576	0.027	0.843	0.939
Child received penta or hepatitis B vaccination (3 doses)	0.866	0.026	439	578	1.575	0.030	0.814	0.918
Child with all basic vaccinations	0.800	0.031	439	578	1.611	0.039	0.737	0.862
Height-for-age, stunting (below -2SD)	0.322	0.016	2,002	2,391	1.305	0.049	0.290	0.353
Weight-for-height, wasting (below -2SD)	0.185	0.017	1,943	2,312	1.628	0.090	0.152	0.219
Weight-for-age, underweight (below -2SD)	0.294	0.018	2,051	2,458	1.564	0.061	0.258	0.330
Children with any anaemia	0.628	0.019	1,783	2,174	1.534	0.030	0.590	0.666
Women with any anaemia	0.439	0.009	8,376	11,321	1.639	0.020	0.421	0.457
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.129	0.007	8,171	11,092	1.814	0.052	0.116	0.143
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.371	0.011	8,171	11,092	1.997	0.029	0.349	0.392
Waist-to-hip ratio ≥0.85	0.467	0.016	8,166	11,085	2.943	0.035	0.435	0.500
Have heard of HIV or AIDS	0.993	0.003	1,328	1,794	1.288	0.003	0.987	0.999
Have comprehensive knowledge about HIV/AIDS	0.300	0.027	1,328	1,794	2.157	0.091	0.245	0.354
Ever experienced physical or sexual violence	0.420	0.027	894	1,228	1.635	0.064	0.366	0.474
Total fertility rate (last 3 years)	1.501	0.066	25,636	35,531	1.571	0.044	1.370	1.633
Neonatal mortality	15.070	4.125	2,371	3,050	1.416	0.274	6.819	23.321
Postneonatal mortality	6.319	1.935	2,382	3,066	1.018	0.306	2.449	10.189
Infant mortality	21.389	4.472	2,373	3,051	1.295	0.209	12.445	30.334
Child mortality	3.189	1.236	2,428	3,172	1.113	0.388	0.717	5.662
Under-five mortality	24.510	4.665	2,376	3,056	1.282	0.190	15.181	33.840
MEN								
No schooling (Males age 6 years and above)	0.087	0.005	14,551	19,938	2.212	0.063	0.076	0.098
No schooling (Men age 15-49)	0.091	0.023	1,199	1,718	2.749	0.252	0.045	0.137
Completed 10 or more years of schooling	0.648	0.032	1,199	1,718	2.347	0.050	0.583	0.713
Never married, including married <i>gauna</i> not performed	0.439	0.020	1,199	1,718	1.369	0.045	0.400	0.478
Currently married	0.553	0.020	1,199	1,718	1.404	0.037	0.512	0.593
Married before age 21	0.076	0.017	829	1,203	1.804	0.219	0.043	0.109
Want no more children	0.609	0.042	643	950	2.189	0.069	0.525	0.694
Want to delay next birth at least 2 years	0.077	0.020	643	950	1.885	0.258	0.037	0.117
Men with any anaemia	0.173	0.025	1,061	1,480	1.928	0.142	0.124	0.222
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.115	0.014	1,082	1,513	1.261	0.121	0.087	0.142
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.394	0.030	1,082	1,513	1.839	0.076	0.335	0.454
Waist-to-hip ratio ≥0.90	0.412	0.043	1,081	1,512	2.832	0.105	0.326	0.498
Have heard of HIV or AIDS	0.990	0.004	1,199	1,718	1.428	0.004	0.982	0.998
Have comprehensive knowledge about HIV/AIDS	0.280	0.049	1,199	1,718	3.768	0.176	0.181	0.378

**Table A.4 Sampling errors: Rural sample, Karnataka, 2019-20**

Variable	Value (R)	Standard error (SE)	Number of cases		Design effect (DEFT)	Relative standard error (SE/R)	Confidence limits	
			Unweighted (N)	Weighted (WN)			R-2SE	R+2SE
<b>HOUSEHOLDS</b>								
Using an improved source of drinking water	0.943	0.005	18,847	15,593	2.684	0.005	0.934	0.952
Using an improved sanitation facility	0.686	0.007	18,847	15,593	1.941	0.010	0.673	0.699
Using iodized salt	0.894	0.004	18,791	15,549	1.902	0.005	0.885	0.902
Sex ratio (females per 1,000 males)	1034.502	5.553	39,629	33,102	1.093	0.005	1023.397	1045.607
<b>WOMEN</b>								
No schooling (Females age 6 years and above)	0.330	0.004	37,646	31,323	1.494	0.011	0.322	0.337
No schooling (Women age 15-49)	0.242	0.004	21,493	18,094	1.451	0.018	0.234	0.251
Completed 10 or more years of schooling	0.420	0.005	21,493	18,094	1.418	0.011	0.410	0.429
Never married, including married <i>gauna</i> not performed	0.203	0.003	21,493	18,094	1.134	0.015	0.197	0.210
Currently married	0.730	0.004	21,493	18,094	1.186	0.005	0.723	0.737
Married before age 18	0.389	0.005	18,318	15,394	1.398	0.013	0.379	0.399
Currently using any contraceptive method	0.682	0.006	15,662	13,211	1.609	0.009	0.670	0.694
Currently using a modern contraceptive method	0.677	0.006	15,662	13,211	1.592	0.009	0.665	0.689
Currently using a traditional contraceptive method	0.004	0.001	15,662	13,211	1.024	0.126	0.003	0.005
Currently using pill	0.021	0.002	15,662	13,211	1.646	0.089	0.018	0.025
Currently using IUD/PPIUD	0.025	0.002	15,662	13,211	1.307	0.065	0.022	0.028
Currently using condom/ <i>Nirodha</i>	0.029	0.002	15,662	13,211	1.534	0.072	0.024	0.033
Currently using female sterilization	0.589	0.006	15,662	13,211	1.598	0.011	0.576	0.601
Using public health sector source of contraception	0.869	0.005	11,457	9,617	1.431	0.005	0.860	0.878
Unmet need for family planning	0.059	0.002	15,662	13,211	1.272	0.041	0.054	0.064
Want no more children	0.701	0.005	15,662	13,211	1.275	0.007	0.691	0.710
Want to delay next birth at least 2 years	0.072	0.003	15,662	13,211	1.292	0.037	0.067	0.078
Mother received four or more antenatal care (ANC) visits	0.706	0.011	4,537	3,842	1.617	0.015	0.684	0.728
Took iron and folic acid (IFA) for 100 days or more	0.409	0.011	4,537	3,842	1.531	0.027	0.387	0.431
Birth registration	0.968	0.004	5,787	4,897	1.369	0.004	0.960	0.975
Births delivered by a skilled provider	0.925	0.005	6,026	5,124	1.383	0.006	0.914	0.936
Institutional delivery	0.962	0.004	6,026	5,124	1.311	0.004	0.954	0.969
Postnatal check for mother within 2 days of birth	0.883	0.007	4,537	3,842	1.384	0.007	0.870	0.896
Postnatal check for newborn within 2 days of birth	0.861	0.007	4,537	3,842	1.357	0.008	0.847	0.875
Children with diarrhoea in the last two weeks	0.056	0.004	5,845	4,971	1.212	0.067	0.049	0.064
Treated with oral rehydration salt (ORS) packets	0.675	0.030	328	280	1.136	0.044	0.616	0.734
Children with diarrhoea taken to a health provider	0.729	0.024	328	280	1.007	0.033	0.681	0.778
Child received BCG vaccination	0.975	0.006	1,146	988	1.279	0.006	0.963	0.986
Child received penta or DPT vaccination (3 doses)	0.925	0.009	1,146	988	1.165	0.010	0.907	0.943
Child received polio vaccination (3 doses)	0.905	0.010	1,146	988	1.180	0.011	0.885	0.925
Child received first dose of measles vaccine	0.927	0.009	1,146	988	1.203	0.010	0.909	0.945
Child received penta or hepatitis B vaccination (3 doses)	0.901	0.010	1,146	988	1.204	0.012	0.880	0.922
Child with all basic vaccinations	0.865	0.012	1,146	988	1.153	0.013	0.842	0.888
Height-for-age, stunting (below -2SD)	0.372	0.010	5,218	4,394	1.370	0.026	0.353	0.392
Weight-for-height, wasting (below -2SD)	0.201	0.009	5,055	4,250	1.415	0.043	0.184	0.218
Weight-for-age, underweight (below -2SD)	0.348	0.009	5,379	4,534	1.276	0.025	0.331	0.366
Children with any anaemia	0.671	0.009	4,339	3,704	1.234	0.013	0.654	0.689
Women with any anaemia	0.503	0.005	20,676	17,404	1.367	0.009	0.493	0.512
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.199	0.004	20,029	16,849	1.327	0.019	0.192	0.207
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.256	0.005	20,029	16,849	1.468	0.018	0.247	0.265
Waist-to-hip ratio ≥0.85	0.438	0.009	20,012	16,834	2.529	0.020	0.420	0.456
Have heard of HIV or AIDS	0.959	0.006	3,227	2,660	1.749	0.006	0.946	0.971
Have comprehensive knowledge about HIV/AIDS	0.207	0.012	3,227	2,660	1.703	0.059	0.183	0.232
Ever experienced physical or sexual violence	0.443	0.020	2,141	1,807	1.832	0.044	0.403	0.482
Total fertility rate (last 3 years)	1.786	0.034	61,412	51,693	1.175	0.019	1.718	1.854
Neonatal mortality	16.242	1.809	6,041	5,135	1.065	0.111	12.624	19.860
Postneonatal mortality	11.547	1.674	6,057	5,149	1.244	0.145	8.199	14.894
Infant mortality	27.789	2.546	6,046	5,139	1.167	0.092	22.697	32.881
Child mortality	4.852	0.922	6,139	5,234	1.049	0.190	3.009	6.696
Under-five mortality	32.506	2.696	6,056	5,147	1.131	0.083	27.115	37.898
<b>MEN</b>								
No schooling (Males age 6 years and above)	0.175	0.003	35,910	29,937	1.499	0.017	0.169	0.181
No schooling (Men age 15-49)	0.119	0.008	2,900	2,402	1.270	0.064	0.104	0.135
Completed 10 or more years of schooling	0.506	0.012	2,900	2,402	1.339	0.025	0.482	0.531
Never married, including married <i>gauna</i> not performed	0.406	0.011	2,900	2,402	1.209	0.027	0.384	0.428
Currently married	0.586	0.011	2,900	2,402	1.212	0.019	0.564	0.608
Married before age 21	0.120	0.008	2,070	1,710	1.118	0.067	0.104	0.135
Want no more children	0.666	0.019	1,706	1,408	1.651	0.028	0.629	0.704
Want to delay next birth at least 2 years	0.124	0.014	1,706	1,408	1.699	0.109	0.097	0.151
Men with any anaemia	0.212	0.014	2,654	2,195	1.606	0.065	0.185	0.239
Body mass index (BMI) <18.5 kg/m <sup>2</sup>	0.162	0.009	2,693	2,233	1.237	0.056	0.144	0.181
Body mass index (BMI) ≥25.0 kg/m <sup>2</sup>	0.250	0.012	2,693	2,233	1.342	0.048	0.227	0.274
Waist-to-hip ratio ≥0.90	0.374	0.014	2,692	2,231	1.467	0.037	0.346	0.401
Have heard of HIV or AIDS	0.978	0.005	2,900	2,402	1.951	0.005	0.968	0.989
Have comprehensive knowledge about HIV/AIDS	0.255	0.022	2,900	2,402	2.702	0.086	0.212	0.299









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