POPULATION PROJECTIONS BHUTAN

2017–2047

National Statistics Bureau

NATIONAL STATISTICS BUREAU

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FOREWORD

The National Statistics Bureau (NSB) is pleased to present the Population Projections for Bhutan 2017-2047 based on the 2017 Population and Housing Census of Bhutan (PHCB).

Population projection is one of the main statistical data that provides an estimate of a future population, which is critical for planning and policy formulation. It is widely used by policy makers, planners, researchers, academia and alike. Population projections serve as a basis for planning and determining future demands for essential services such as jobs, housing, roads and transportation, communication, education and health facilities etc.

This report supersedes the earlier population projections (2005-2030) and provides an updated and revised population figures.It contains the results of the population projections that provide population sizes, by sex and age group for each single year from 2017 to 2047. The results are presented in tabular and graphic formats supplemented by explanations on how the exercise was carried out.

Projections of future size and age structure of population are based on assumptions about the future levels of fertility, mortality, and migration. The baseline population by age and sex and likely changes in the levels of fertility, mortality, and migration project future changes in the population size and its age-sex structure

We remain hopeful that the Ministries, Departments, Agencies, development partners, individuals, researchers, academia, civil society organizations and the public in general would find the report useful and informative.

ChhimeTshering

Director
National Statistics Bureau

ACKNOWLEDGEMENT

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SUMMARY OF FINDINGS

The Population and Housing Census of Bhutan (PHCB) conducted in 2017 revealed that as on May 31st 2017 Bhutan had a population of 735,553 including 727,145 resident population and 8,408 non-Bhutanese tourists. Following the release of the census report, the National Statistics Bureau (NSB) of the Royal Government of Bhutan has projected the population of Bhutan for a period of 30 years, that is, up to 2047. These projections are made based on the PHCB results, other available data on demographic parameters, its recent trends, and in consultations with experts on expected developments in the country. Various sources of data were examined for quality and demographic trends both at the national and global levels to arrive at the baseline parameters and projected changes.

The projections show that the population of Bhutan will continue to increase but at a slower pace than in the recent past. The resident population is projected to reach 884 thousand by 2047, staying well below the one million mark. Bhutan has been experiencing steep fertility decline in the recent past and it is expected to remain below replacement level in the foreseeable future. The birth rate will decline substantially to 11 per thousand and the annual growth rate will fall from the current level of 1 percent to less than 0.3 percent in 2047. Mortality is also expected to fall but ageing process will maintain the crude death rate at around 7 per thousand marginally rising to 8 per thousand. Bhutan has reached the stage of low fertility and mortality rates in demographic transition and further growth due to population momentum will be small. The population will increase by less than 160 thousand or only 21.6 percent between 2017 and 2047.

With ageing of the population, the age-sex structure of ttotal population is projected to change notably over time. The share of population below 15 years of age will fall considerably from 26 percent to 17 percent and of the elderly while the 65 years and above will rise from 6 percent to 13 percent by 2047. Likewise the share of population in working ages will rise, crossing 70 percent in the mid-2020s,implying a low dependency ratio close to 40 percent and remaining at that level till the mid-2040s. This will provide Bhutan a high demographic dividend for some time. The sex ratio will become less masculine over the projection period, reducing from the present level of 110 to 105.

The urbanisation in Bhutan is progressing at a moderate pace. By 2037, half of the total population in Bhutan will be residing in urban areas. Population growth is not expected to be uniform across *Dzongkhags*. , About 30 percent of the total population is projected to reside in the Thimphu *Dzongkhag*,

which is projected to have a population of over 260 thousand by 2047. No other *Dzongkhag* is expected to cross 100 thousand though a few will have populations exceeding 50 thousand.

The projections clearly show that Bhutan does not face the prospect of rapid population growth, which many developing countries experienced in the recent past. This will allow the development programs to concentrate on broadening the gamut of social and economic services, raising their quality rather than worrying about catering to the rapidly growing population. The anticipated changes in the age structure show that the size of the population in school ages will gradually decline, as a result of declining fertility rate. At the same time, the size and share of elderly population will rise sub-stantially. This calls for developing health and social services for the aged population. In particular, the health services may need to be well equipped to cater to non-communicable and degenerative diseases. With shrinking family size, the traditional family based support system may come under stress and institutional mechanisms for the care of the elderly population may have to be developed.

With the change in population structure, the share of working age population will rise, yielding the demographic dividend. This will be at peak during the mid-2020s through the mid-2040s favouring rapid economic development. However, the window of demographic opportunity will begin to close soon after mid-2040s. Therefore, it is imperative that this imminent dividend is efficiently harvested by making investments in education and by providing scope for utilization of the increased labour force.

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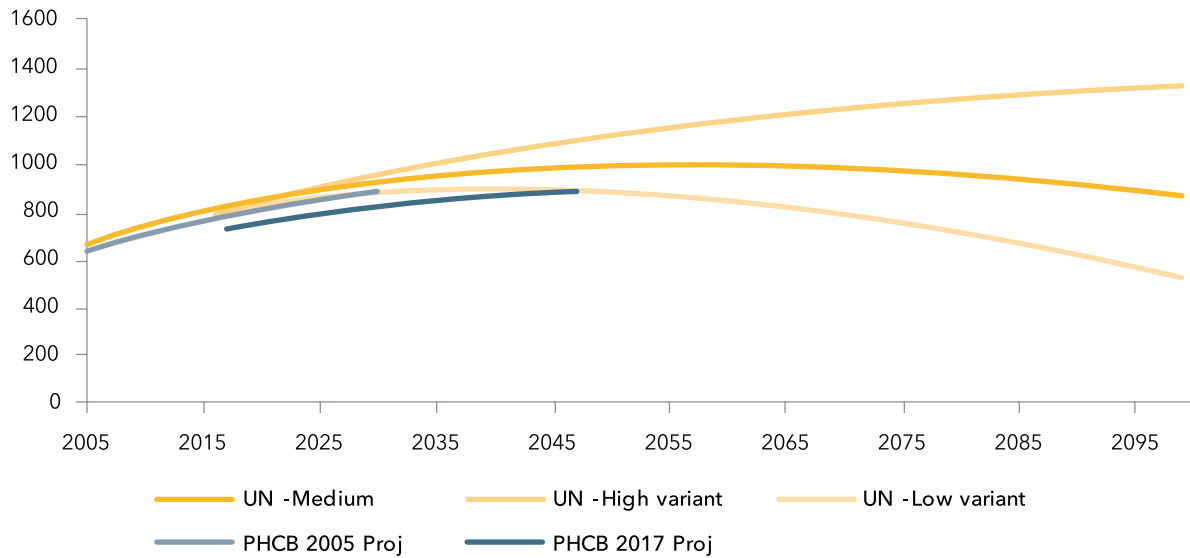
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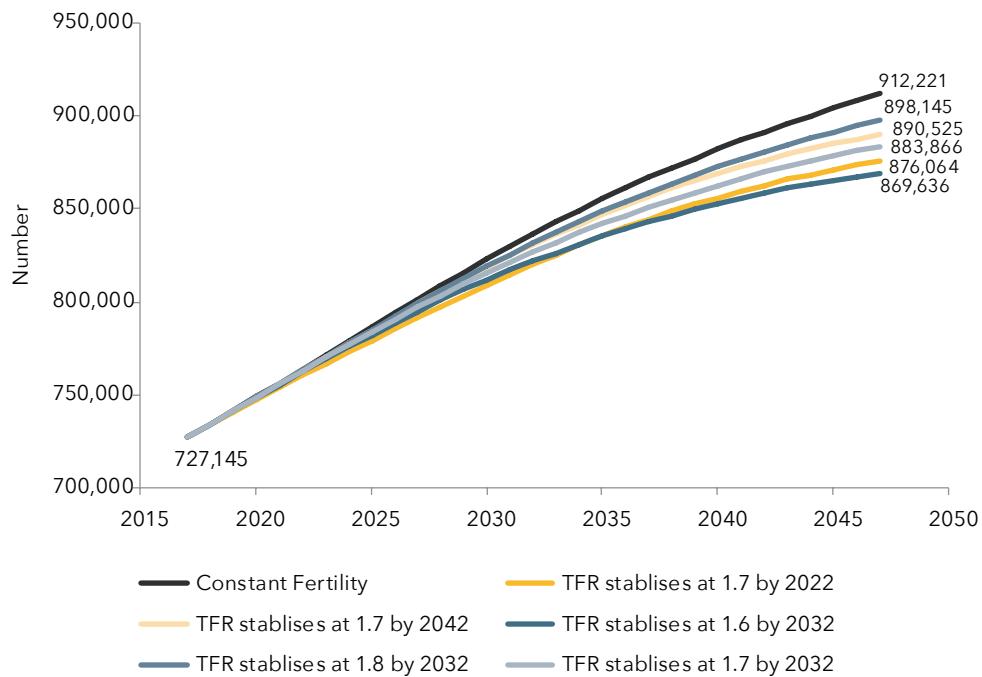
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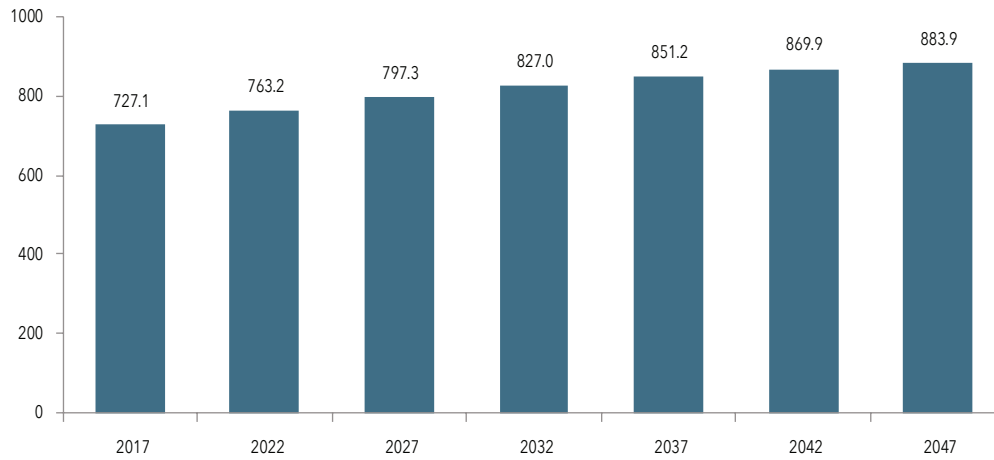
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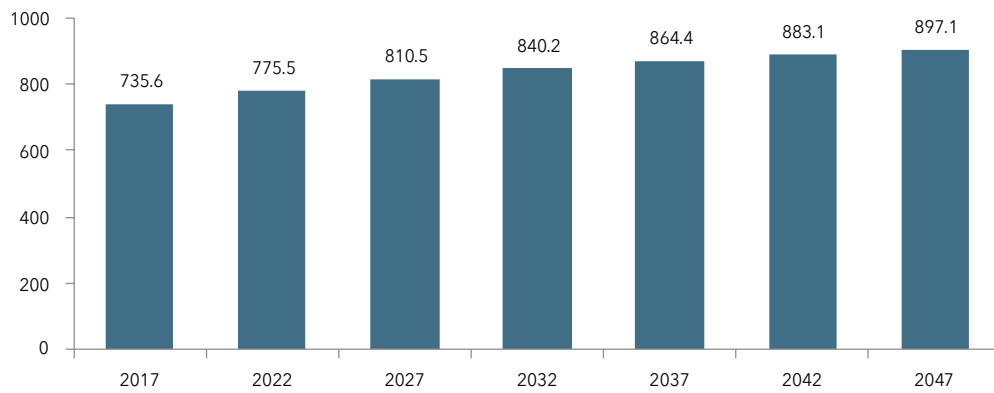
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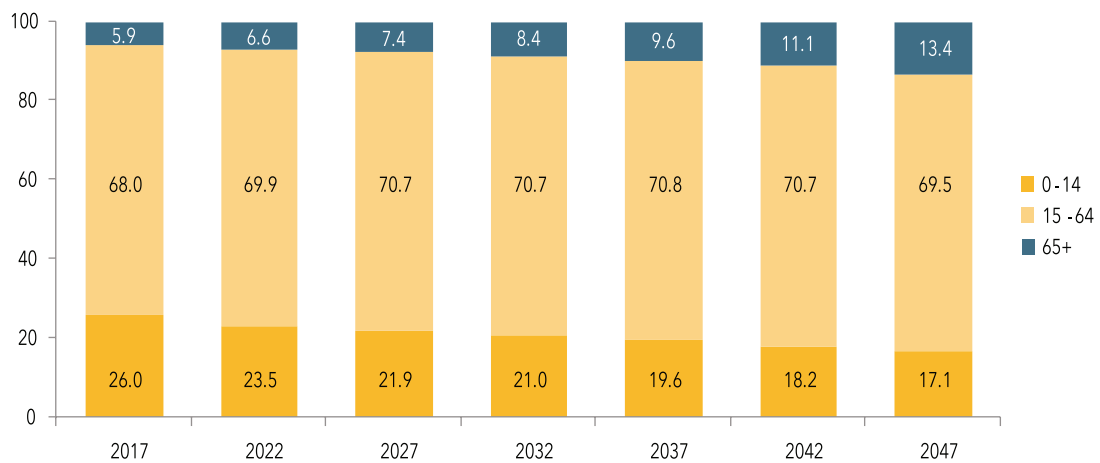
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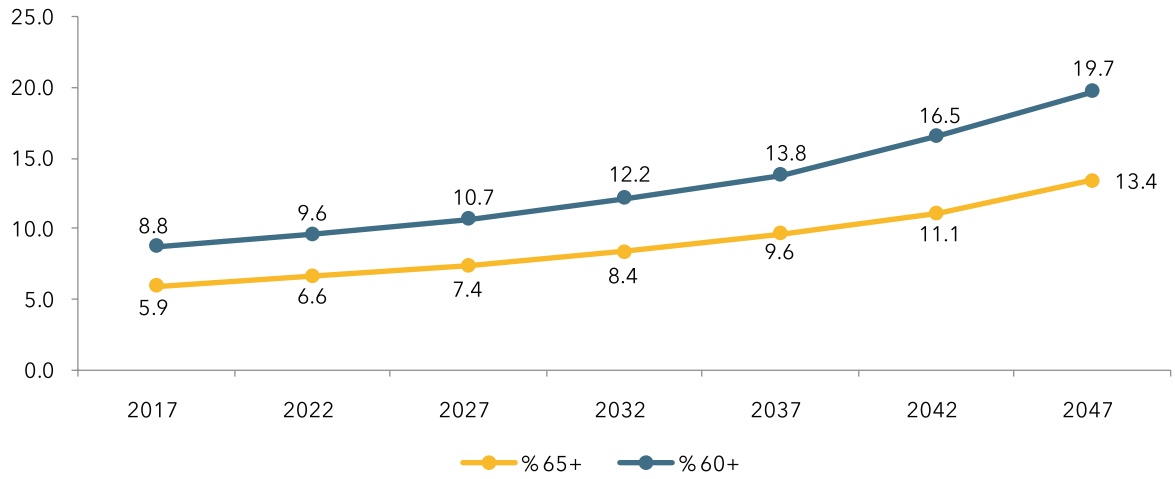
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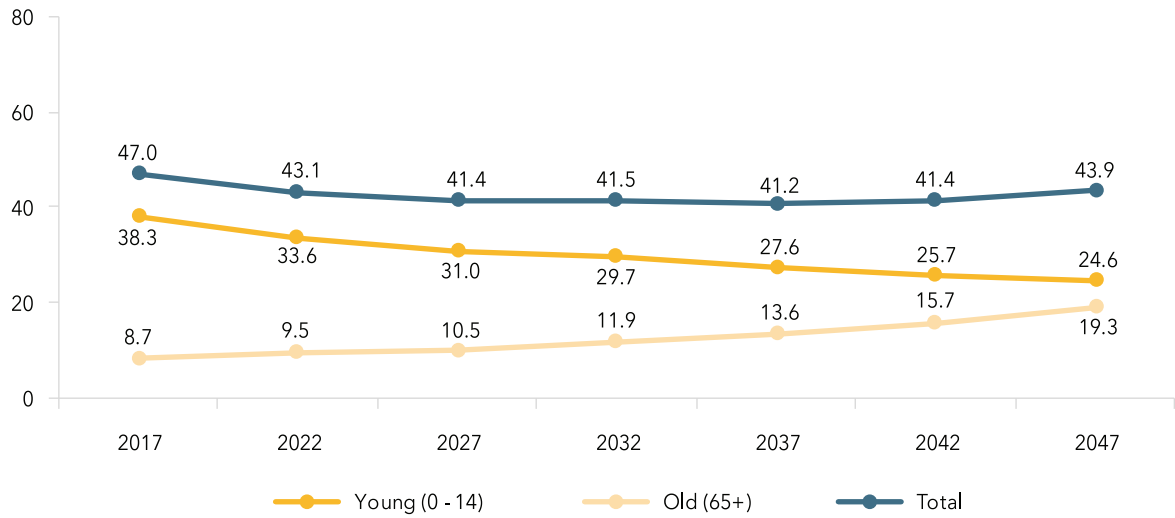
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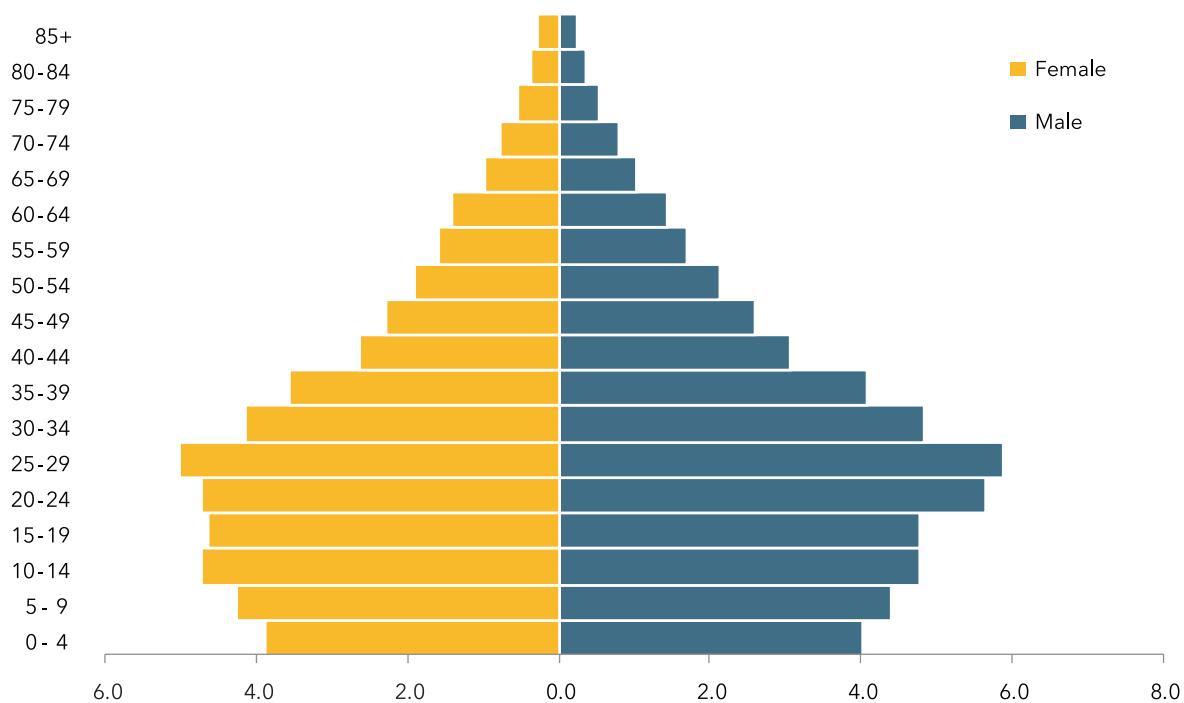
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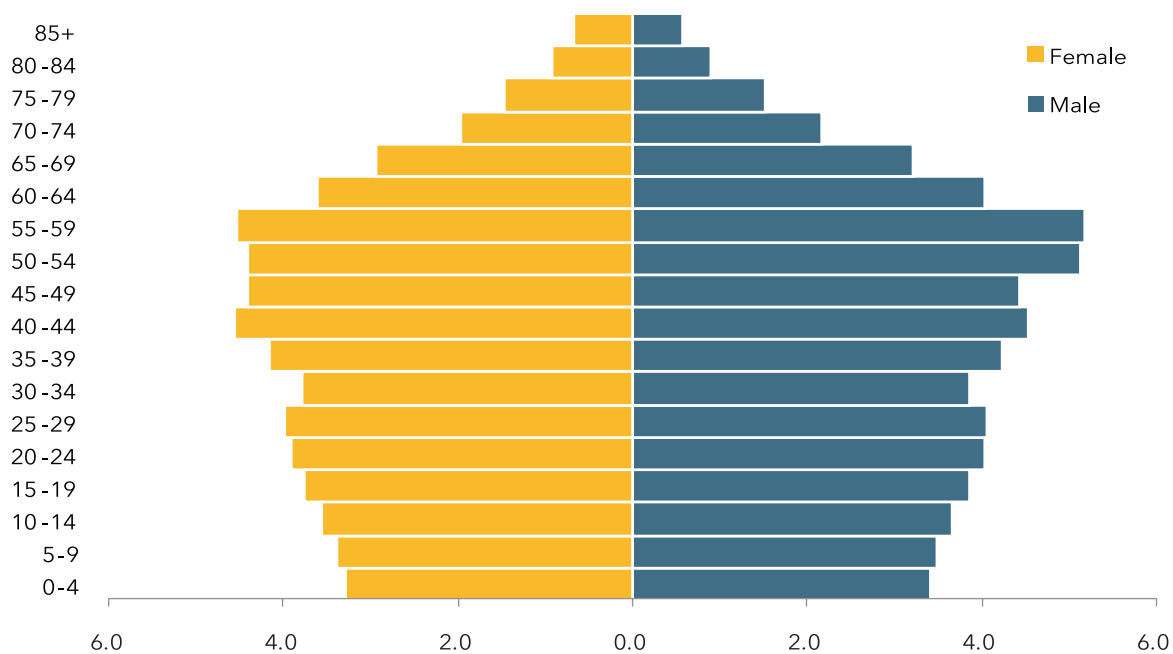
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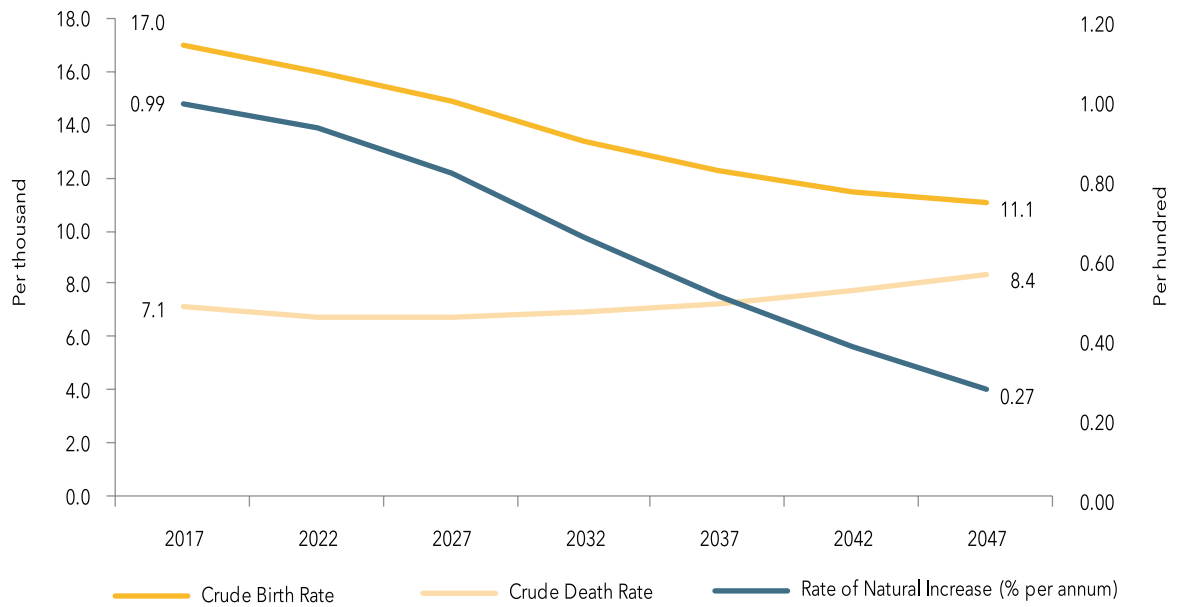
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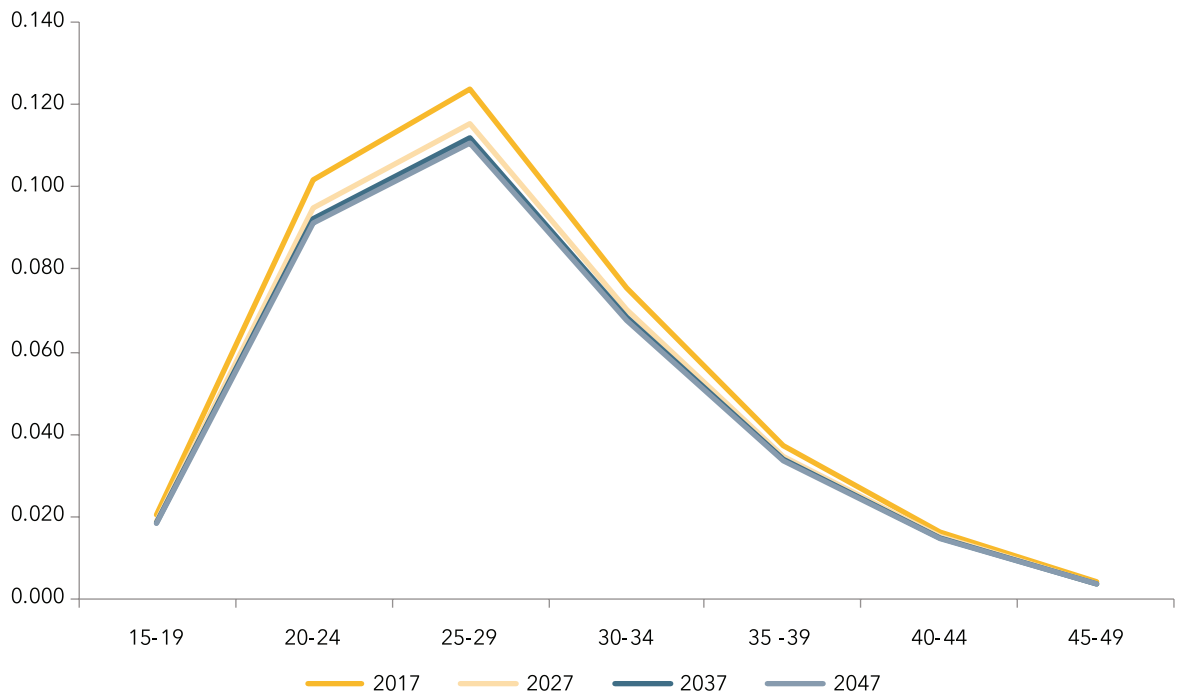
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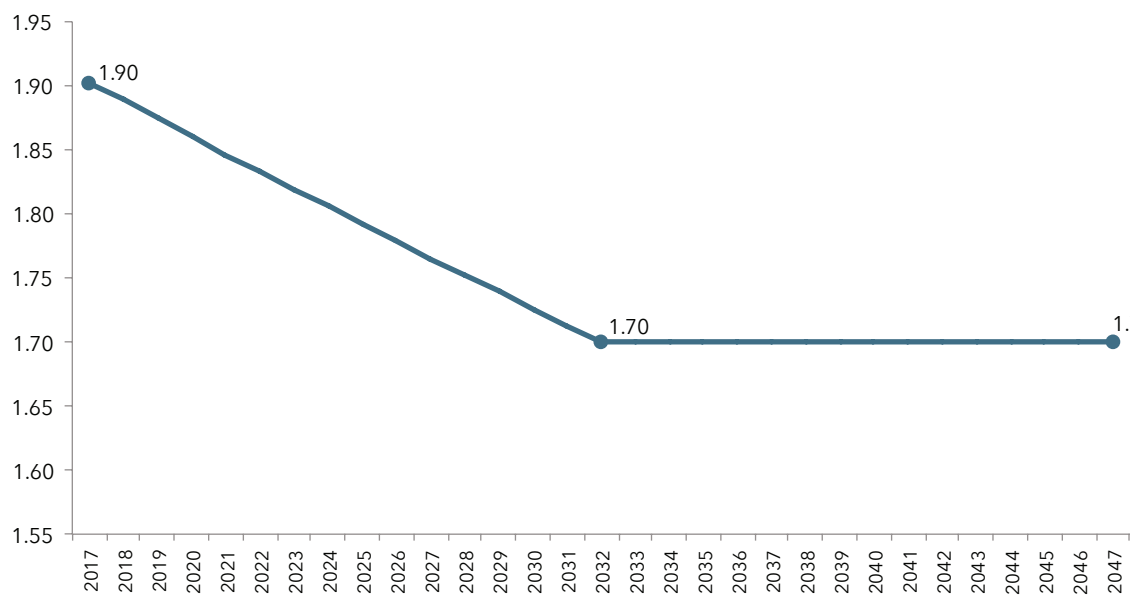
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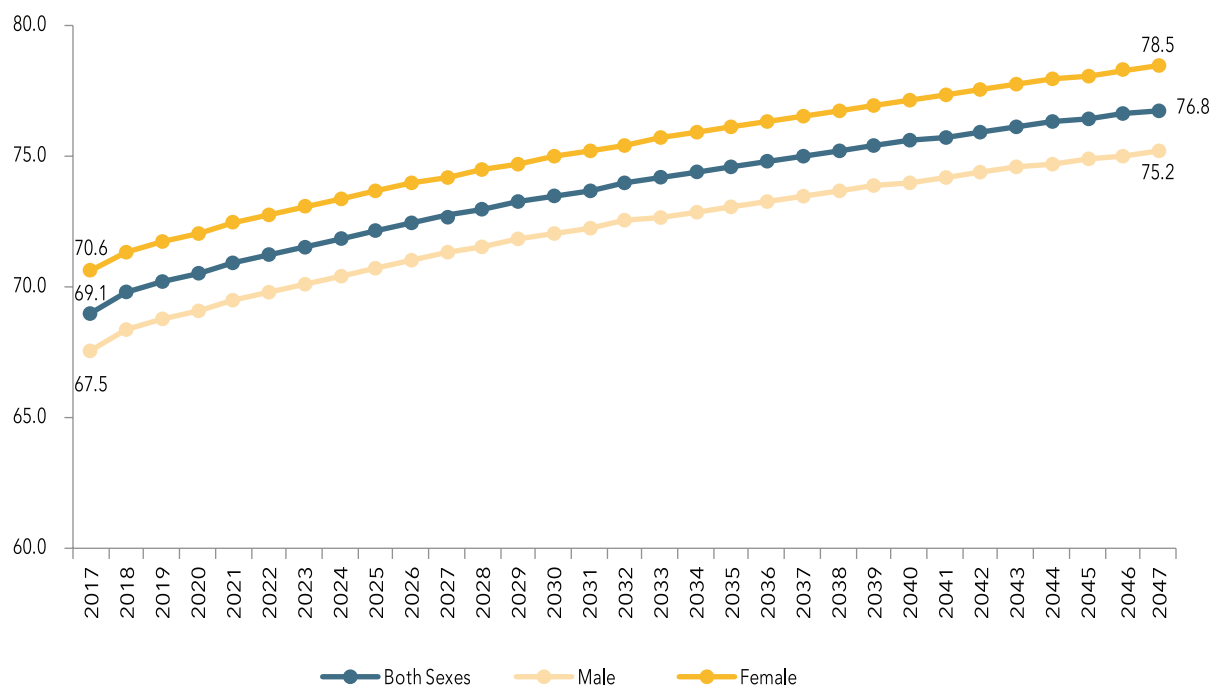
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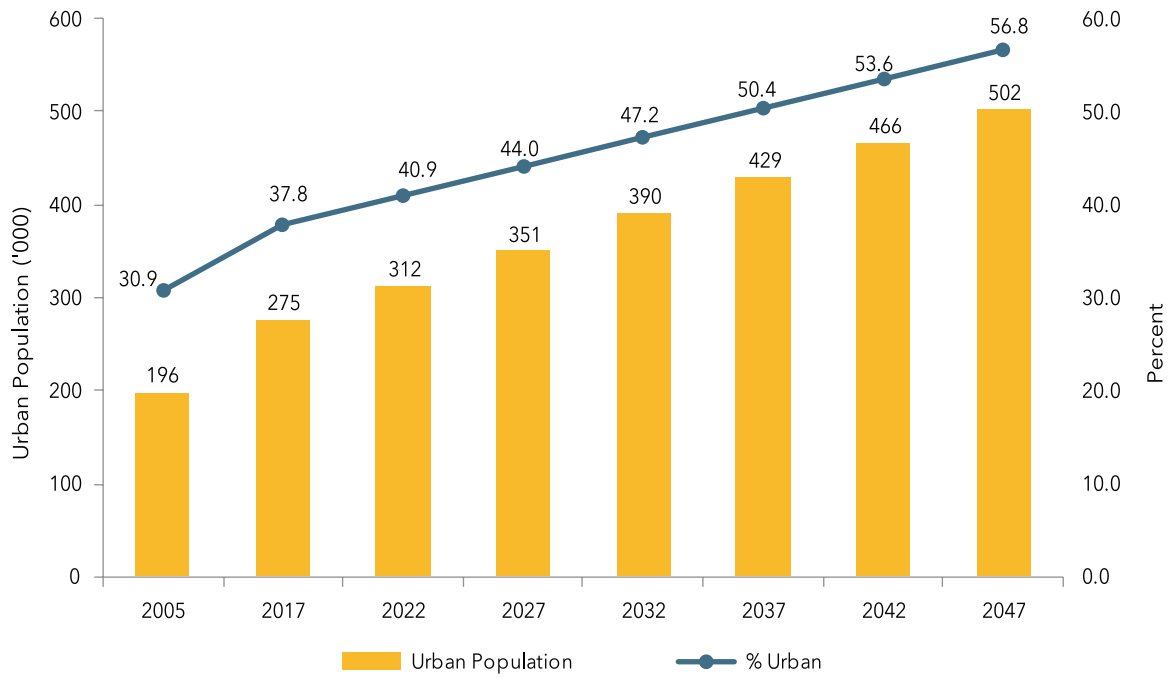
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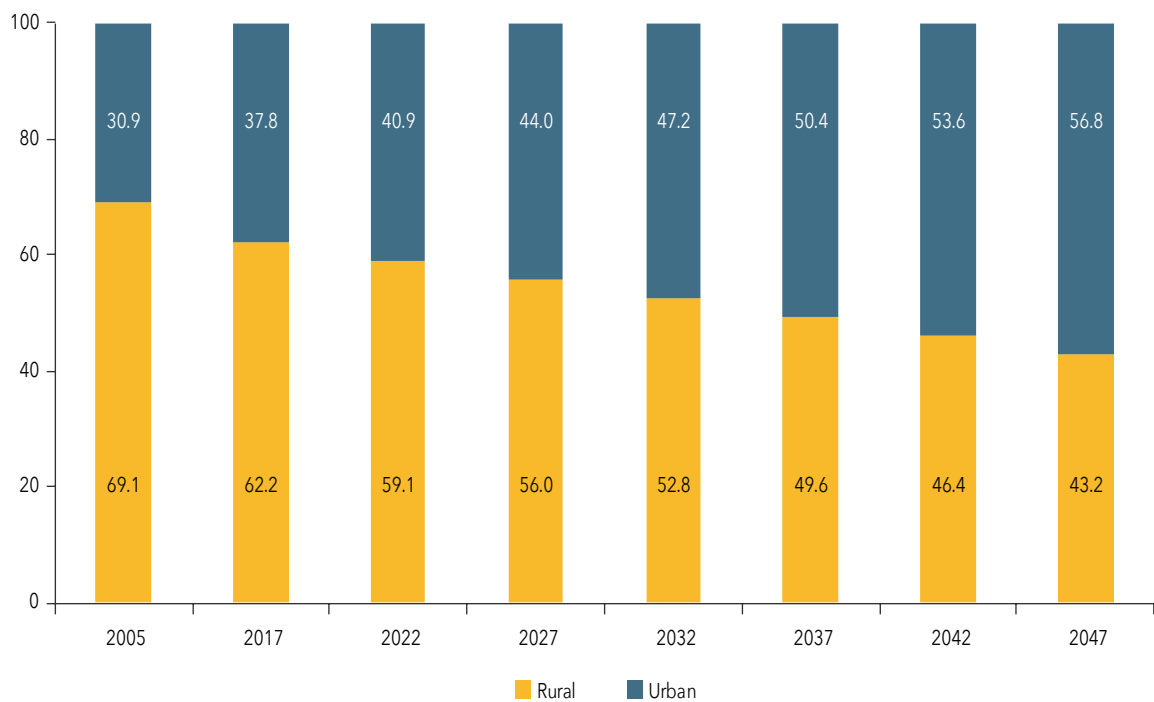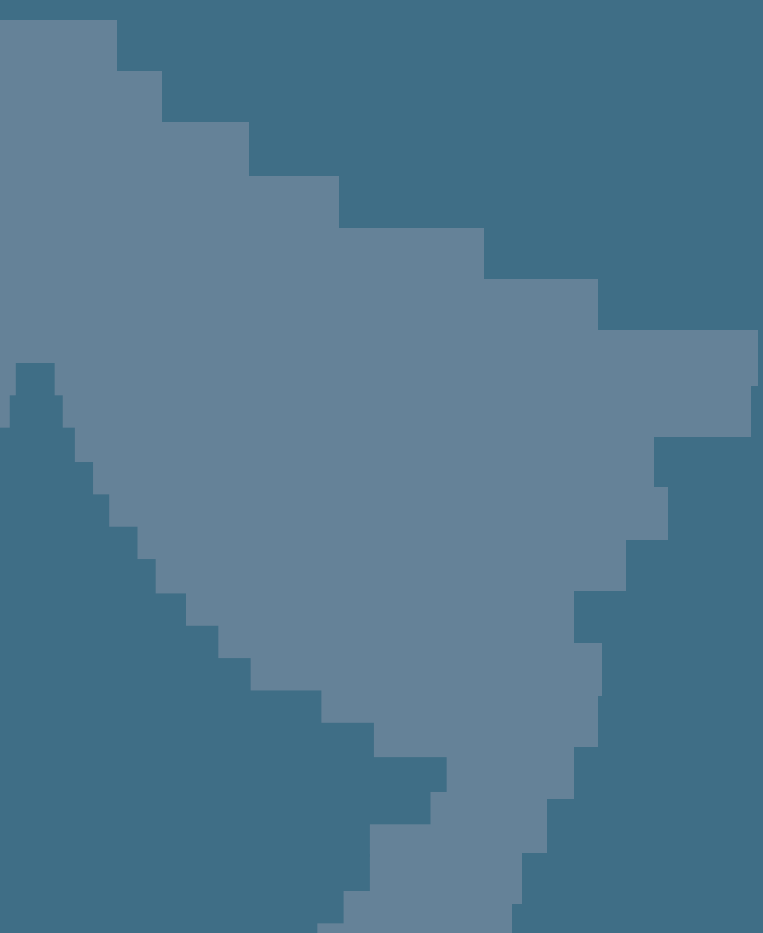
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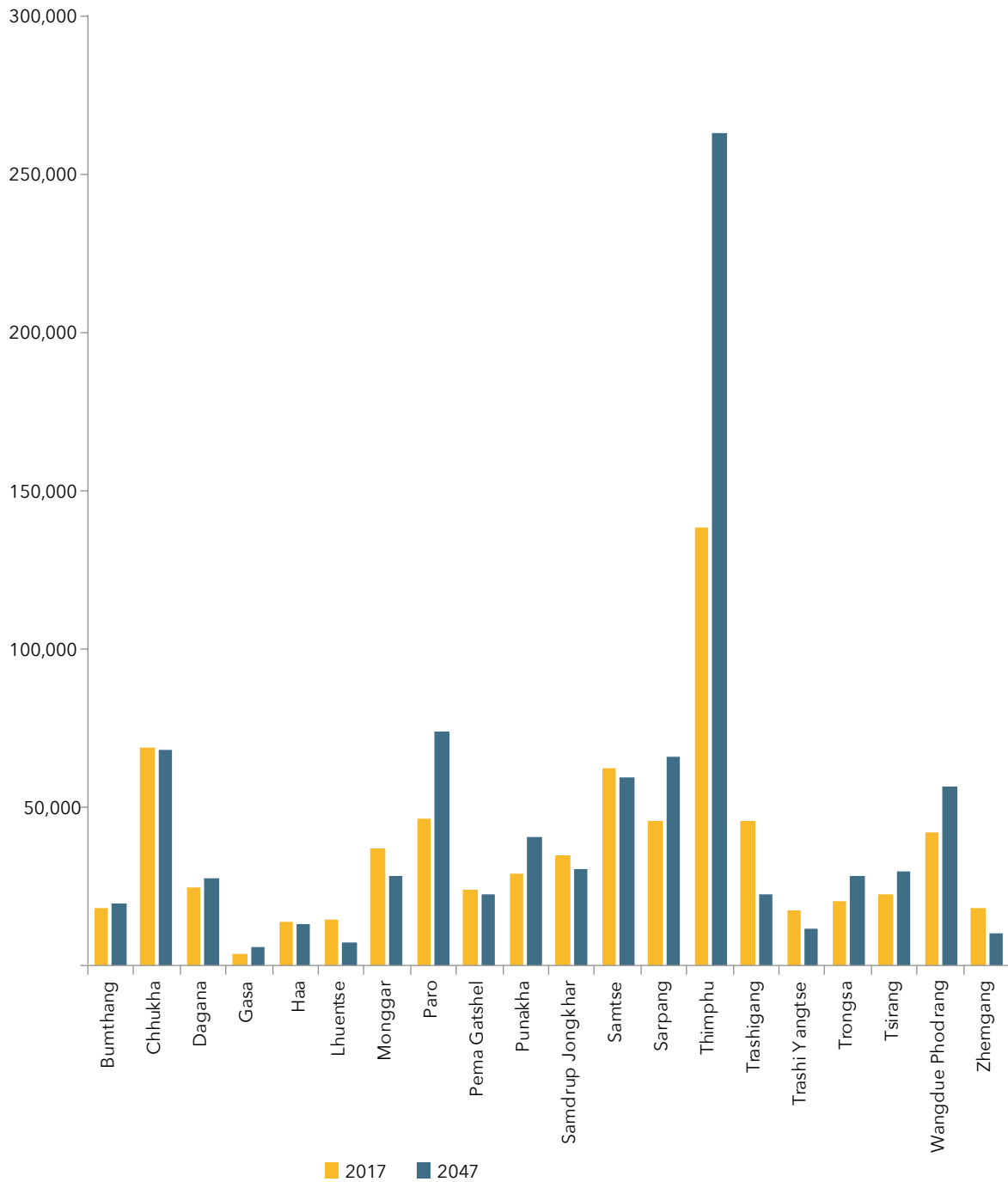
Section 1
Introduction

1.1 Importance of Projections

Projection of population in the future is valuable for the purposes of planning and administration. Projections provide population size and age-sex structure at different time points in the future. Information on the potential size of the population is essential for administrative purposes. In addition, population projections are useful in assessing future requirements for housing, food, and various amenities. Detailed projections by age-sex structure allow planning for better health and educational services. Projection of population in working ages gives an estimate of the size of potential labour force and facilitates employment planning. This also gives an understanding of the prospects of drawing the demographic dividend and the period during which the window of demographic opportunity is likely to remain open. In view of the importance of population projections, the United Nations Population Division prepares projections for all countries in the world and these are revised at regular intervals. Individual countries also prepare projections and revise these as more recent data become available.

After successful completion and dissemination of the results of the 2017 population and housing census of Bhutan, the National Statistics Bureau (NSB) has projectedthe population of Bhutan (2017-2047) based on the latest available data. This population projection will provide a sound baseline data for planning socio-economic development programmes as well as it will facilitate assessing the effectiveness of the

implementation of various programmes by providing relevant denominators.

1.2 Previous Projections

The National Statistics Bureau had prepared population projections (2005-2030) based on the results of the 2005 Population and Housing Census of Bhutan (PHCB 2005) which was published in 2007. At the same time, the United Nations Population Division also routinely provides population projections for all countries as World Population Prospects. The latest projections from the United Nations were released in 2017 as United Nations-World Population Prospects (UN-WPP), 2017 Revision. These projections were carried out before the results of the 2017 census of Bhutan (PHCB 2017) had become available. The population enumerated in the 2017 PHCB was much lower than the population projected after the PHCB 2005 and also that projected in the UN-WPP 2017 Revision, Medium Variant. It appears that there has been rapid fertility decline in Bhutan in the past decade or so and thus the actual growth since 2005 has been much lower than what was projected. In view of this, it is felt necessary to carry out projections by taking into the results of the PHCB 2017 and other recent data on demographic parameters.

1.3 Methodology

Population projection is a scientific exercise and requires information of various demographic parameters, at present as well as their recent trends. It calls for collating required information

on baseline population, its age-sex distribution, fertility, mortality, sex ratio at birth, and migration. The components of population change are then modelled to anticipate future trajectory of these parameters, based on their past trends. One of the fundamental tasks is to undertake assessment of data quality using various demographic techniques. First, an assessment of the quality of baseline data on age-sex composition from the latest round of census is made in order to decide whether to use the data as available or make corrections such as smoothing. In addition, data on recent levels of fertility and mortality are examined. Where civil registration is not complete, other direct estimates and when necessary, indirect estimates of fertility and mortality are examined and the most plausible initial levels of fertility and mortality and recent trends are obtained.

The cohort-component method is the standard procedure employed in national population projections. This projects the components of population change, namely, births, deaths, and migration, in future time periods and thus computes the projected population by age-sex. This requires projection of fertility, mortality, and net migration rates in future. Such projections are made by extrapolating recent trends and making any changes as felt to be appropriate. Often, alternative projections are made, called variants, corresponding to alternate assumptions on the components. The cohort-component projection is a well recognised method in demographic literature and the United Nations manuals describe the procedures in details. Various computer programs are available for performing projections. The package Demographic Analysis and Population Projection System (DAPPS) of the U.S. Census Bureau has been used for making the national level population projections.

For projections of rural and urban populations, a common method is to compute the Urban-Rural Growth Difference (URGD), which is the difference between urban and rural growth rates and used this to project the share of urban population over the projection period. These shares are applied to the total projected population to obtain rural and urban projected populations. The age-sex distribution of the rural and urban populations is then estimated following standard methods.

It is generally not possible to apply the cohort-component method for sub-national projections because reliable estimates of various parameters for small regions are not available. Therefore, the shares of sub-national (in the case of Bhutan, *Dzongkhag),* are projected based on recent trends and applied to the national projection.
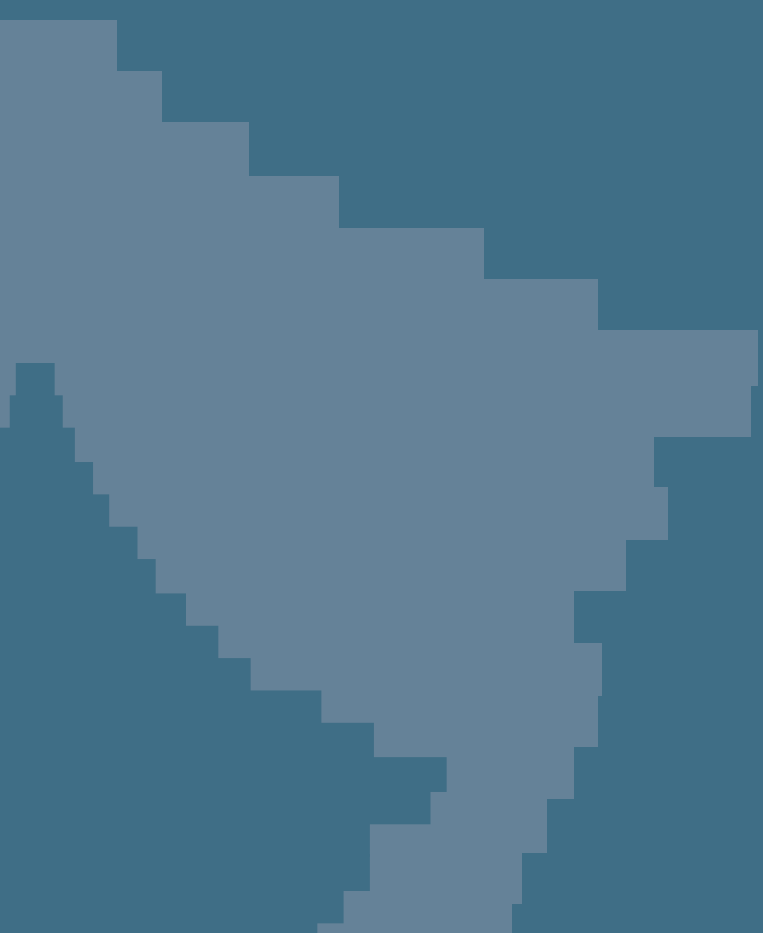
The specific methods employed for various purposes including assessment of data and projection of trends are described at appropriate places in the next sections.

The projections for Bhutan have been carried out for a period of 30 years, that is, from the baseline of 2017 up to 2047. The reference period for both the censuses in Bhutan is 30th May of the Census year and population projections for future years has the same reference date.

The detailed results are presented at intervals of five years, that is, for 2022, 2027, 2032, 2037, 2042, and 2047. However, some indicators are presented for single calendar years. The projections are presented as population totals as well as age-sex distributions. The age distributions are in conventional five-year age groups. A few tables also give single year age distributions.

Section 2
Sources and assessment of data

2.1 Population and Housing Census of Bhutan

Bhutan has conducted Population and Housing Census (PHCB) in 2005 and 2017. The census reports give details on enumerated population with age-sex distribution, rural-urban composition, and population by *Dzongkhag*. Besides, aspects of education, labour force participation, unemployment, life-time migration, housing conditions and amenities and land-use are also covered. The census report also provides data on fertility, morality, and disability. The 2017 PHCB provides the baseline data for projections. Moreover, indicators from the 2017 PHCB in conjunction with those from the 2005 PHCB allow estimation of demographic parameters and an assessment of changes over the intercensal period, which, in turn, facilitate projection of trends.

2.2 Other Sources of Demographic Parameters

In addition to the census, some nationally representative surveys have been conducted in Bhutan at various time points in recent past, which have collected useful demographic parameters. These include:

- Bhutan Living Standard Survey (BLSS – 2003, 2007, 2012 and 2017)
- National Health Survey (NHS – 1984, 1994, 2000 and 2012)
- Bhutan Multiple Indicator Survey (BMIS - 2010).

Moreover, the Population Division of the United Nations organizes demographic data and prepares world population prospects at regular intervals. These give estimates of fertility and mortality in the past and projections for the future. The latest report is the World Population Prospects- Methodology of the United Nations Population Estimates and Projections 2017 Revision.

2.3 Base Level Age-Sex Distribution

The 2017 PHCB gives the base level data on population enumeration. These are tabulated by *Dzongkhag* and the place of residence (rural and urban). The enumerated population includes visitors found on the census reference day. It is generally observed that the age reporting in census enumerations often suffer from digit preference. In such situations, the age distributions need to be smoothed. Age misreporting can also vary by sex. In order to see how large age misreporting in the census is, the Myers' and Whipple's indexes were computed. The indexes show that such errors are not common in the 2017 PHCB and thus the age reporting is quite accurate (see Table 2.1). The UN joint score index is also low indicating that overall age and sex reporting is very good. In view of this, the age-sex distribution in the PHCB was accepted as the baseline for the projections without any smoothing.

Table 2.1 Summary of Indices Measuring the Accuracy of Census Age Data, 2017

Sl	Indices	Index Value	Accuracy Range
1	Myers' Index	1.8	Range 0 to90, with 0 indicating no age heaping and 90 indicates the extreme case
2	Whipple's Index	105.4	Highly Accurate Data - < = 105
3	UN joint score index	19.8	Accurate if the index is between 0 and 19.9

2.4 Fertility

Estimates of fertility for Bhutan are available from various sources. The 2017 PHCB had asked questions on births last year and also on children ever born to women and these data are tabulated by age of woman. Age-specific fertility rates can be computed from the data on births last year and the rates thus computed yield a total fertility rate (TFR) of 1.74. It is well recognised that data on births last year are affected by reference period errors. Hence, the P/F ratio method is commonly adopted to correct the level of fertility and application of this method gave an estimate of TFR of 2.4. However, given that there has been recent decline in fertility, the P/F correction is not applicable. Another method of indirect estimation, the reverse survival method, was applied to the data on age-sex distribution from the 2017 PHCB and this gave the estimates of TFR as 1.93 for 2012-17, 2.45 for 2007-12 and 3.26 for 2002-07. This showed a steep decline in fertility over the past 15 years. Publications in reputed journals also showed that Bhutan has been undergoing rapid fertility decline for some time[1]. It was observed that the TFR was over 5 prior to the 1970s, showed a decline through the 1980s and was in the range 3 to 4 in the 1990s. Further, data on changes in marriage pattern and contraceptive use were analysed to see whether the recent rapid decline in fertility is corroborated

by the proximate determinants or not. It was found that the marriage pattern had shown a significant change from the previous census – the singulate mean age at marriage of females has increased by 2 years over the 12-year intercensal period and proportions never married in younger ages have increased substantially. These factors are affected by changes in socio-economic conditions such as education.

There are various estimates for the recent period from various sources, the direct estimate of 1.74 for 2016-17 from the PHCB and the P/F ratio estimate of 2.4, reverse survival estimate of 1.93 for the period 2012-17, UN-WPP estimates of 2.06 for 2016 and 2.02 for 2017, BLSS estimate of 1.9 for 2016 (Fig 2.1). Aligning these to 2017 and taking the average of the PHCB 2017 based reverse survival, UN-WPP, and BLSS estimates, 1.903 was taken as the baseline estimate of TFR for 2017.

For the age pattern of fertility, ASFR for the base year is obtained from the 2017 PHCB. However, as these rates are based on age at enumeration rather than mid-year, adjusted ASFRs for conventional five-year age groups are computed in the P/F ratio method. These are used for the age pattern of fertility for 2016-17 (Fig 2.2).

Figure 2.1 Age Specific Fertility Rate, Bhutan, 2016-17

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1   T Dorjee and T Spoorenberg, 2016, "Fertility Transition in Bhutan: An Assessment', Population, 2016, Volume 71, Number 4
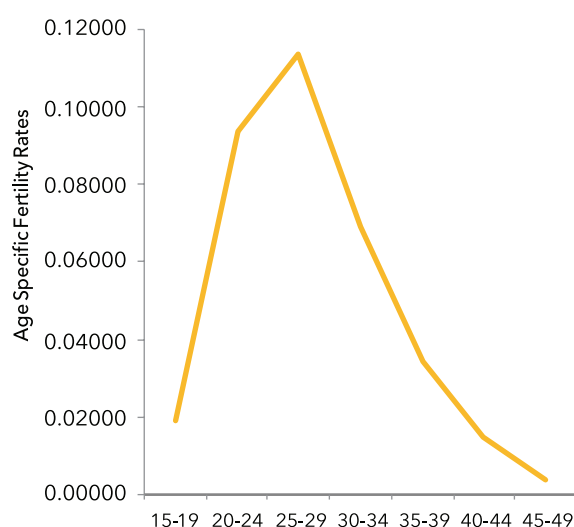
Figure 2.2 Recent Trends in Total Fertility Rate, Bhutan

Legend:
- UN WPP
- Reverse survival
- PHCB
- PHCB-P/F
- NHS
- BMIS
- BLSS
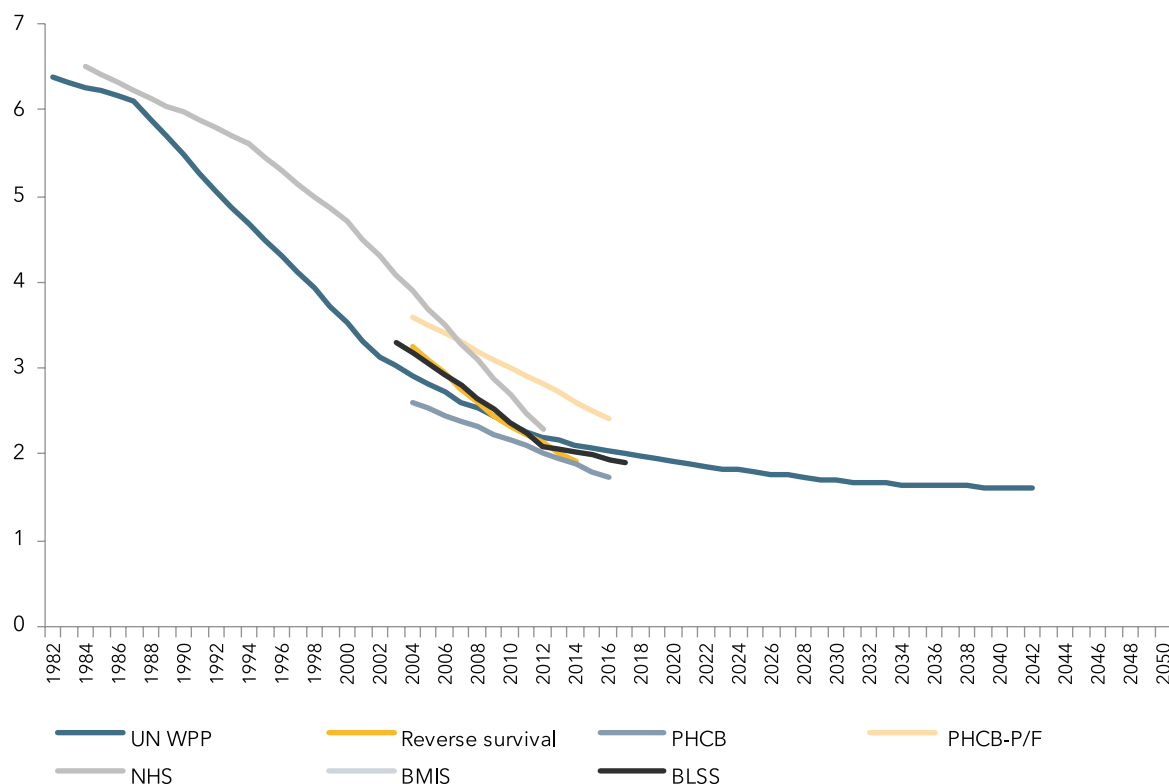
2.5 Mortality

Bhutan has various sources of data on mortality, other than PHCB, which have captured age specific death rates; Using those estimates, life expectancy at birth is separately derived for males and females to trace a historical trend (please refer Fig 2.3 and 2.4). The 2017 PHCB had collected data on deaths during one-year period before the enumeration, thus referring to the period 2016-17. On the basis of this, age-sex specific death rates (ASDRs) were computed. An estimate of infant mortality rate (IMR), 15 (14 for female and 17 for males) was also available from this data. However, since early childhood deaths, especially infant deaths, are often under-reported and are affected by reference period errors, indirect estimates of early childhood mortality were obtained from the 2017 PHCB

data on the number of children ever born the number of children surviving tabulated by age of mother by applying the Brass method. This gave estimates of 36.5 and 26.5 for the IMR during the period 2014-15. An independent estimate of IMR from the BLSS was 30 for 2012. In view of this, the ASDR for the infant age group was corrected using the Brass estimates of IMR, which were extrapolated to 2016-17. On the basis of the corrected ASDRs (Fig2.5), life tables were constructed for male and females separately. The life expectancy thus derived for 2016-17 was 67.6 for males and 70.7 for females. These estimates are close to those from some other sources as also those in the UN-WPP report and are used as the baseline level of mortality.

Figure 2.3 Trends in Life Expectancy at Birth for Males, Bhutan
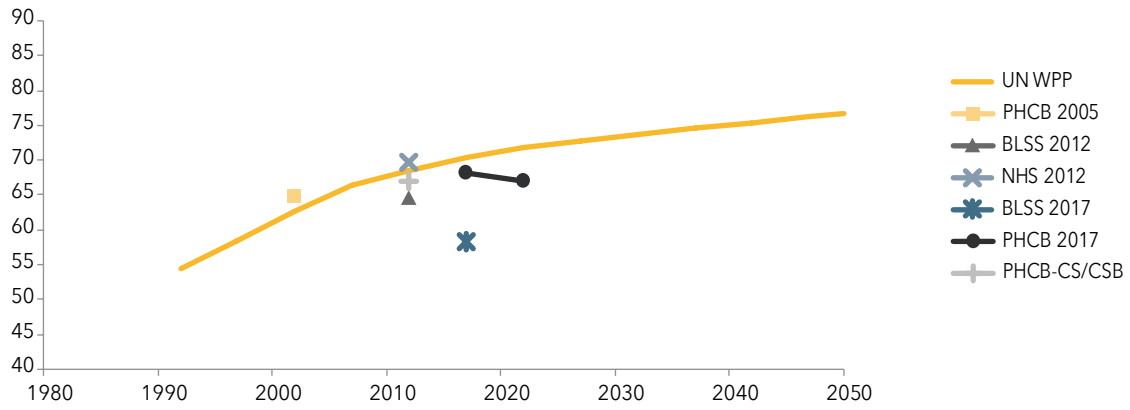
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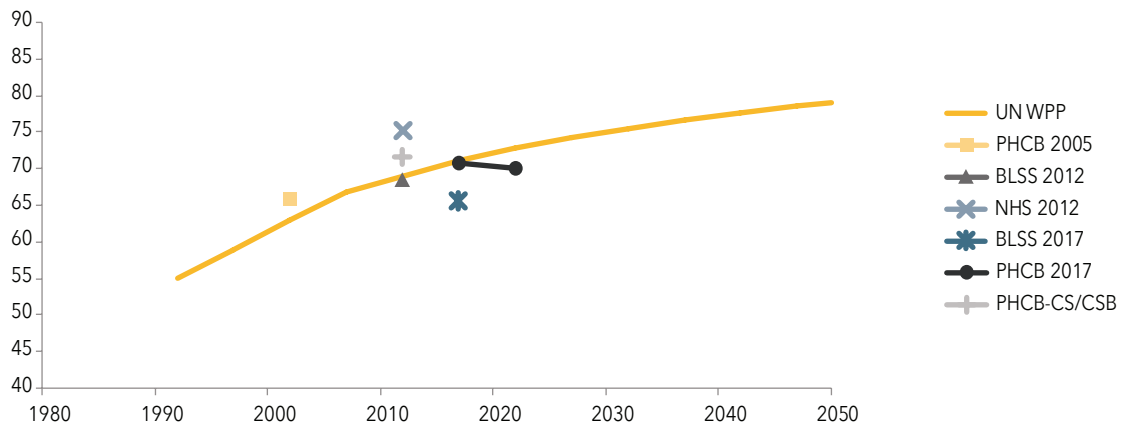
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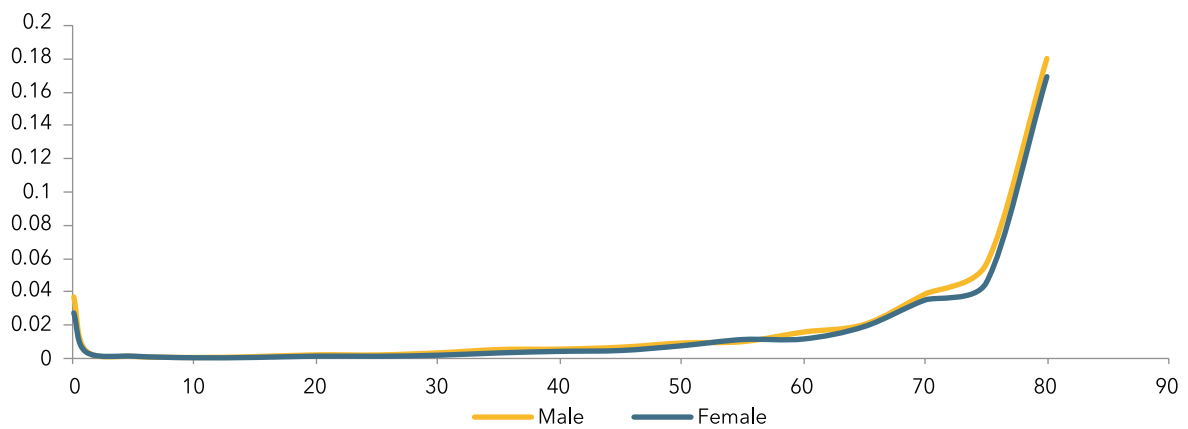
2.6 Sex Ratio at Birth

The sex ratio at birth (SRB) in most populations is in the range of 1.02 – 1.06 (male births to female births). For Bhutan, the estimates of sex ratio at birth are available from Census, NHS and UN-WPP. Besides, these can also be obtained using reverse survival from child sex ratio in the census. Most of the estimates are in the range of 1.00 to 1.06; however, the 2017 PHCB gave a high value of 1.11. This high value of SRB is not corroborated by the child sex ratios obtained from the same census and hence is not considered. Instead, the SRB of 1.04 used in the UN-WPP, which is close to all the other estimates was accepted.

2.7 Migration

Reliable data on international migration are not available for most countries. International migration from or to Bhutan does not appear to be substantial as was revealed in various discussions with officials and hence in the national projections, this has not been considered.

The census provides data on inter-*Dzongkhag* migration; however, these are based on place of birth, that is, for life-time migration, and not for inter-censal migration. Moreover, given that the population size of many *Dzongkhags* is quite small, it would not be appropriate to use estimates of migration based on this data while undertaking the projections at sub-national levels.

The 2017 census data reveal that out of the total population of 735,553 persons, 8,408 were tourists. The tourist population comprises 1.14% of the total enumerated population. While undertaking population projections, age and sex distribution is required, but for the tourist population such information was not collected. Hence, population projections using the method of component projection is carried out for the population figure of 727,145 and a suitable proportion of the tourist population in future years

Table 2.2 Summary of base year Population, Fertility, Mortality and Sex Ratio at Birth, 2017

Age Group	Male	Female	Total
0-4	29,176	28,298	57,474
5-9	32,035	30,956	62,991
10-14	34,656	34,296	68,952
15-19	34,679	33,607	68,286
20-24	41,075	34,340	75,415
25-29	42,802	36,478	79,280
30-34	35,059	30,121	65,180
35-39	29,689	25,860	55,549
40-44	22,274	19,221	41,495
45-49	18,865	16,668	35,533
50-54	15,456	13,861	29,317
55-59	12,379	11,519	23,898
60-64	10,498	10,213	20,711
65-69	7,585	7,069	14,654
70-74	5,876	5,592	11,468
75-79	3,965	3,906	7,871
80-84	2,651	2,746	5,397
85+	1,733	1,941	3,674
Total	380,453	346,692	727,145
Total Fertility Rate			1.903
ASFR 15-19 20-24 25-29 30-34 35-39 40-44 45-49			0.01898 0.09353 0.11352 0.06922 0.03434 0.01499 0.00383
Sex Ratio at Birth			1.04
Life Expectancy at Birth			69.1
Male			67.5
Female			70.6

added to get the total size of future population of Bhutan. Data on trends of tourist population for the month of April, May and June were obtained from the Tourism Council of Bhutan (TCB) along with the average duration of the stay to understand the inflow of tourists.

After reviewing the trends of tourists' data for the month of May for last few years (Table 2.3) and keeping in view, the target of the annual tourist arrivals by the end of the 12th five year plan, the projected increase in the number of tourist

arrivals is 57% over a period of five years. This is applied to project the tourist component of the population and this number added to the projected number the resident population in future years to arrive at the total population of Bhutan.

Table 2.3 Number of Tourists and Estimation of Tourists per Day

| Months | Tourists Per Day Accounting for the Average Duration of Stay | | | | | | | |
| | 2016 | | 2017 | | 2016 | | 2017 | |
	Total	Regional	Total	Regional	Total	Regional	Total	Regional
April	7,527	9,754	7,115	17,660				
May	30,270	23,694	39,337	34,434	7,063	5,529	8,654	7,575
June	20,225	13,602	27,263	21,679				
Total Tourists in the year	209,570	146,797	254,704	183,287				
Av. Duration of Stay international	7.0		6.6					

Source: Tourism Council of Bhutan

Section 3
Assumptions on demographic parameters

3.1 Fertility

In Bhutan, fall in the growth rate of population is a concern and thus specific measures to lower fertility are not expected. However, as clarified by various experts during consultative meetings, the family planning programme is active in order to promote healthy reproductive, maternal, and child health. Besides, fertility has fallen below the replacement level and further decline is not expected to be large. Moreover, it has been seen in almost all the countries that once fertility reaches a low level, it does not show any sustained rise, even in the presence of pro-natalist policies. Generally, it has been seen that fertility declines during transition and then asymptotes to a low level or fluctuates around a low level in a very narrow range. Therefore, a realistic course of fertility is decline in the TFR to 1.7 by 2032 and remaining at about the same level thereafter. Once fertility reaches a low level, further declines are not rapid and therefore a period of 10-15 year is considered realistic for the TFR to reach the ultimate level. The decline is expected to be gradual, following an exponential pattern as shown in Table 3.1. In addition to the proposed trajectory mentioned above, which is labelled as "Medium Projection", various variants of the population projections have been carried out based on the following assumptions:

1. Constant Fertility Projection (TFR 1.9 throughout the projection period),
2. High Fertility Projection (TFR to decline to 1.8 by 2032,
3. Low Fertility Projection (TFR to decline to 1.6 by 2032),

Table 3.1 Projected Level of Total Fertility Rate, Bhutan, 2017-2014

Year	TFR
2017	1.903
2022	1.833
2027	1.765
2032	1.700
2037	1.700
2042	1.700
2047	1.700

4. Medium Fertility Projection (TFR to decline to 1.7 by 2032)
5. Rapid Decline Projection (decline to 1.7 by 2022), and
6. Slow Decline Projection (decline to 1.7 by 2042).

The detailed results of the Medium Fertility Projections, i.e., decline to 1.7 by 2032, are included in the report, whereas only a graph with the population prospects under alternative variants has been provided at the beginning of this report.

The age pattern of fertility is not likely to change notably due to three reasons: a) age at marriage is already high, b) Contraceptive Prevalence Rate (CPR) has shown a smooth pattern with a high value, and c) the fertility has already achieved a low level. Therefore, the age pattern observed for 2016-17 on the basis of 2017 PHCB, adjusted for standard age groups as noted earlier, has been assumed to continue throughout the projection period.

3.2 Mortality

Mortality has been falling over time throughout the world. Bhutan has also experienced substantial decline in mortality and this trend is likely to continue into the future. Moreover, for the increase in life expectancy, the gradient is high at middle level of survival (life expectancy 50 to 65 years) and thereafter, the gradient becomes low especially once life expectancy reaches 70 years, as further improvements in survival are slower. The UN-WPP projections factor in such trends on the basis of the experiences of a large number of countries. Using gradients of the improvements in the life expectancy drawn from the trends in the data sets of the UN-WPP, the life expectancy was projected for future years. For males, the life expectancy is projected to increase from 67.6 in 2016-17 to 75.2 years in 2047. For females, the increase in life expectancy from the base of 70.7 is projected to increase to 78.5 years in 2047. In addition to the end-point estimates of life expectancies, the values for each of the intermediate five-year periods are also computed.

Table 3.2 Projected Level of Life Expectancy at Birth by Sex, Bhutan, 2017-2014

Year	Life Expectancy at Birth		
	Male	Female	Total
2017	68.0	71.0	69.1
2022	69.9	72.8	71.3
2027	71.3	74.2	72.8
2032	72.5	75.5	74.0
2037	73.5	76.6	75.0
2042	74.4	77.6	76.0
2047	75.2	78.5	76.8

The initial age pattern of mortality was obtained from the PHCB data with the correction for infant mortality s noted earlier. The pattern changes with mortality decline. The DAPPS package has a provision for changing the pattern from the baseline pattern.

3.3 Migration

International migration is perceived to be not substantial for Bhutan. Therefore, this has not been factored in the national projection. There is inter-*Dzongkhag* migration. However, given the small size of many *Dzongkhags* and the non-availability of data on inter-censal inter-*Dzongkhag* migration, migration could not be factored in directly in the projection. Instead, by applying the ratio method for sub-national projections, the effect of migration can be captured implicitly by projecting the share of each *Dzongkhag* for future years.

3.4 Sex Ratio at Birth

The sex ratio at birth generally does not change in a population unless sex-selection due to son preference is practiced. Discussions with experts in Bhutan indicated that such practice is rarely seen in Bhutan. Therefore, the sex ratio at birth was assumed to remain unchanged at 1.04 throughout the projection period.

3.5 Projection by Place of Residence

Rural-urban distribution of the population from two censuses was obtained and the Urban Rural Growth Difference (URGD) method was applied to estimate rural and urban population shares in future years. Bhutan is urbanising and during 2005-2017 the share of urban population increased from 30.9 percent to 37.8 percent. The URGD was estimated to be 0.0257 (Table 3.3). The rural and urban shares were projected assuming a constant URGD (see Table 3.4). These were applied to the total projected population to obtain the projected rural and urban populations.

Table 3.3 Urban Rural Growth Rates of Population, Bhutan, 2005-2017

Period	Population Growth Rates			URGD
	Total	Urban	Rural	
2005 – 2017	0.011	0.028	0.002	0.026

Further, the age-sex distributions were obtained by applying initial age-sex distributions to the projected distributions and raking at each time interval of five years.

3.6 Sub-national Proportions

The share of each *Dzongkhag* (administrative region equivalent to a district) was computed from data from the two censuses and changes were analysed. The shares were extrapolated to 2047. Further, supporting documents, which might have influence on flow and direction of migration such as draft regional development plan document and important economic and infrastructural developments in various *Dzongkhag*, were also reviewed and the extrapolated shares modified on the basis of judgments of experts. Only summary findings of the sub-national projection are provided in this report, while detailed tables are provided in a separate publication.

Table 3.4 Table 3.4: Recent and Projected Shares of Rural and Urban Population in Bhutan, 2005-2047

Year	% Rural	% Urban
Census		
2005	69.1	30.9
2017	62.2	37.8
Projected		
2022	59.1	40.9
2027	56.0	44.0
2032	52.8	47.2
2037	49.6	50.4
2042	46.4	53.6
2047	43.2	56.8

Section 4

Results of population projection for Bhutan

4.1 Projected Population Size

The projections show that the population of Bhutan will continue to rise through 2017-2047, reaching nearly 884 thousand by 2047 (Table 4.1). Thus, the population will increase by 21.6 percent over the period of 30 years. The population is not projected to reach the one million mark up to 2047 even after counting the estimated tourist population. The sex ratio will become less masculine over the period, from about 110 in 2017 to 105 in 2046.

However, the pace of growth will decline over time and annual population increase will come down from about 7 thousand at present to less than 3 thousand by 2044 (Table 4.2).

4.2 Projected Demographic Indicators

The Crude Birth Rate (CBR) is expected to fall substantially, from 17 per thousand now to 11 in 2047 (Table 4.3) as a result of the projected decline in fertility. The Crude Death Rate (CDR) will rise marginally in spite of the projected decline in mortality because the population would be ageing. The annual growth rate will fall about 1 percent now to less than 0.3 percent by 2047 thus moving towards zero growth.

4.3 Age and Sex Structure of the Projected Population

The population has begun to age and this process will continue for some time. This is a consequence of the decline in fertility and in the rate of growth. A look at the projected age-sex distribution in broad age group reveals that the share of the young population, below 15 years of age, will fall from 26 percent to 17 percent and that of elderly population, age 65 and higher, rise from 6 percent to 13 percent between 2017 and 2047 (Table 4.4 and Fig.4.3). In fact, the size

Figure 4.1 Population Growth by Sex, Bhutan
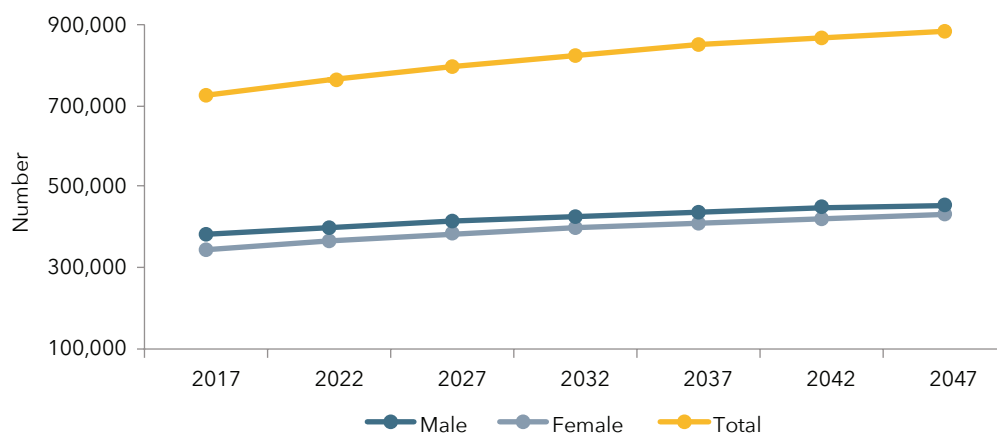
Table 4.1 Projected Population by Sex and Sex Ratio, Bhutan, 2017-2047

Year	Projected Population			Sex Ratio (m/f*100)	Projected Tourists / Non-Bhutanese Population	Total Projected Population
	Total	Male	Female			
2017	727,145	380,453	346,692	109.7	8,408	735,553
2022	763,249	397,731	365,518	108.8	12,242	775,491
2027	797,264	413,950	383,314	108.0	13,000	810,264
2032	826,957	427,911	399,046	107.2	13,000	839,957
2037	851,176	438,999	412,177	106.5	13,000	864,176
2042	869,900	447,180	422,720	105.8	13,000	882,900
2047	883,866	452,779	431,087	105.0	13,000	896,866

* These were a number of tourists / non-Bhutanese found on census reference day 2017 and were estimated for projected years

Table 4.2 Projected Total Population, 2018-2047

Year	Total Population by Sex			Year	Total Population by Sex		
	Male	Female	Total		Male	Female	Total
2018	383,909	350,465	734,374	2033	430,349	401,869	832,218
2019	387,402	354,270	741,672	2034	432,686	404,602	837,288
2020	390,877	358,054	748,931	2035	434,912	407,237	842,149
2021	394,323	361,806	756,129	2036	437,019	409,765	846,784
2022	397,731	365,518	763,249	2037	438,999	412,177	851,176
2023	401,092	369,184	770,276	2038	440,857	414,479	855,336
2024	404,411	372,813	777,224	2039	442,603	416,683	859,286
2025	407,663	376,380	784,043	2040	444,238	418,790	863,028
2026	410,840	379,878	790,718	2041	445,764	420,802	866,566
2027	413,950	383,314	797,264	2042	447,180	422,720	869,900
2028	416,964	386,662	803,626	2043	448,492	424,551	873,043
2029	419,871	389,914	809,785	2044	449,706	426,301	876,007
2030	422,679	393,076	815,755	2045	450,825	427,972	878,797
2031	425,362	396,123	821,485	2046	451,849	429,567	881,416
2032	427,911	399,046	826,957	2047	452,779	431,087	883,866

Table 4.3 Projected Demographic Indicators, 2017 – 2047

Indicators	2017	2022	2027	2032	2037	2042	2047
Rate of Natural Increase (% per annum)	0.99	0.93	0.81	0.65	0.50	0.37	0.27
Crude Birth Rate	17.0	16.0	14.8	13.3	12.3	11.5	11.1
Crude Death Rate	7.1	6.7	6.7	6.9	7.2	7.8	8.4

Figure 4.2 Projected Trends in Crude Birth Rate, Crude Death Rate and Rate of Natural Increase, Bhutan, 2017-2047
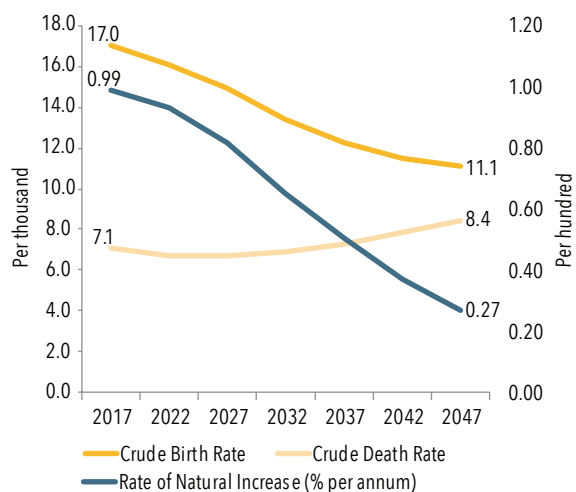
Figure 4.3 Percentage of Population by Broad Age Group, Bhutan, 2017-2047
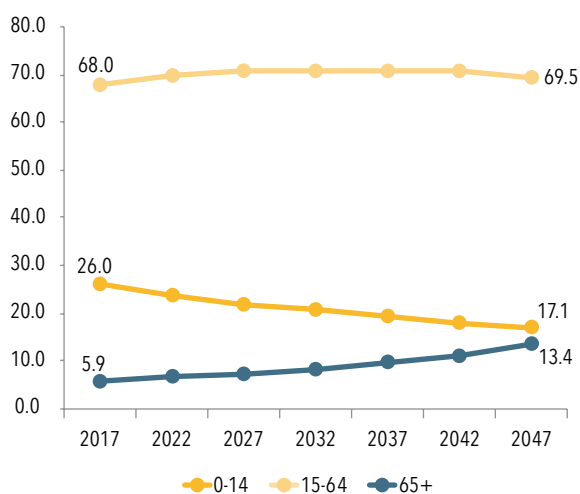
Table 4.4 Demographic Characteristics of Projected Population, Bhutan, 2017-2047

Indicators	2017	2022	2027	2032	2037	2042	2047
Population by Broad Age-Group							
0-14	189,417	179,313	174,534	173,333	166,521	158,287	151,175
15-64	494,664	533,221	563,800	584,343	602,673	615,287	614,041
65+	43,064	50,715	58,930	69,281	81,982	96,326	118,650
15-59	473,953	510,710	537,328	553,109	566,789	567,762	558,468
60+	63,775	73,226	85,402	100,515	117,866	143,851	174,223
Broad age-group (percent)							
0-14	26.0	23.5	21.9	21.0	19.6	18.2	17.1
15-64	68.0	69.9	70.7	70.7	70.8	70.7	69.5
65+	5.9	6.6	7.4	8.4	9.6	11.1	13.4
15-59	65.2	66.9	67.4	66.9	66.6	65.3	63.2
60+	8.8	9.6	10.7	12.2	13.8	16.5	19.7
Median Age (years)	26.9	29.4	31.8	34.0	36.1	38.2	40.2
Dependency Ratio							
Young (0-14)	38.3	33.6	31.0	29.7	27.6	25.7	24.6
Old (65+)	8.7	9.5	10.5	11.9	13.6	15.7	19.3
Total (Young and Old)	47.0	43.1	41.4	41.5	41.2	41.4	43.9

of the young population will also decline from about 189 thousand to 151 thousand over this period. For some time, the share of the working age population, 15-64 years, will rise to over 70 percent and the dependency ratio fall to about 40 percent during 2027-42. This will give a huge demographic dividend. However, the window of demographic opportunity will begin to close after that as the share of the working age population will decline. The share of elderly will continue to rise as will be the size of the elderly population, which is expected to cross 100 thousand by 2043. If the age group 15-59 is treated as working age population, since many discontinue work after reaching 60 years of age, the share of working age population will rise to over two thirds by 2022 and will remain at about that level until 2037 before beginning to decline. The projected age-sex structure of the population in conventional five-year age groups is presented in Table 4.5 and in Fig.4.4.

Figure 4.4 Percentage of Population by five year age groups from 2017-2047
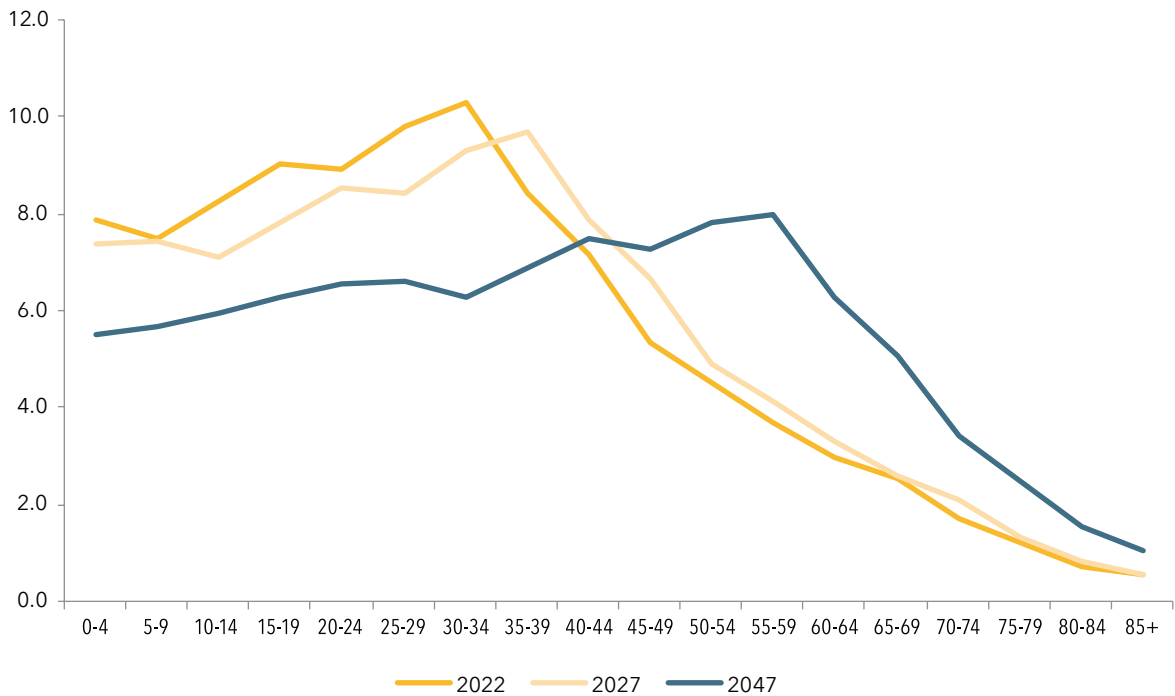
Table 4.5 Projected Population by Five year Age Group and Sex, Bhutan, 2022-2047

Age Group	2022 Male	2022 Female	2022 Total	2027 Male	2027 Female	2027 Total	2032 Male	2032 Female	2032 Total
0-4	30,371	29,478	59,849	29,786	28,878	58,664	28,436	27,548	55,984
5-9	28,817	27,982	56,799	30,079	29,227	59,306	29,556	28,690	58,246
0-14	31,877	30,788	62,665	28,700	27,864	56,564	29,977	29,126	59,103
15-19	34,491	34,163	68,654	31,748	30,692	62,440	28,600	27,795	56,395
20-24	34,390	33,402	67,792	34,248	33,996	68,244	31,551	30,571	62,122
25-29	40,643	34,079	74,722	34,085	33,197	67,282	33,985	33,823	67,808
30-34	42,249	36,160	78,409	40,198	33,835	74,033	33,765	33,001	66,766
35-39	34,360	29,724	64,084	41,533	35,761	77,294	39,606	33,517	73,123
40-44	28,935	25,383	54,318	33,616	29,254	62,870	40,746	35,271	76,017
45-49	21,630	18,793	40,423	28,201	24,885	53,086	32,855	28,747	61,602
50-54	18,159	16,167	34,326	20,898	18,286	39,184	27,326	24,277	51,603
55-59	14,746	13,236	27,982	17,394	15,501	32,895	20,080	17,593	37,673
60-64	11,626	10,885	22,511	13,907	12,565	26,472	16,461	14,773	31,234
65-69	9,611	9,478	19,089	10,694	10,147	20,841	12,843	11,769	24,612
70-74	6,580	6,206	12,786	8,387	8,376	16,763	9,380	9,016	18,396
75-79	4,662	4,595	9,257	5,269	5,147	10,416	6,760	6,996	13,756
80-84	2,672	2,825	5,497	3,174	3,351	6,525	3,628	3,796	7,424
85+	1,912	2,174	4,086	2,033	2,352	4,385	2,356	2,737	5,093
All Ages	397,731	365,518	763,249	413,950	383,314	797,264	427,911	399,046	826,957

Age Group	2037 Male	2037 Female	2037 Total	2042 Male	2042 Female	2042 Total	2047 Male	2047 Female	2047 Total
0-4	26,810	25,963	52,773	25,519	24,703	50,222	24,756	23,957	48,713
5-9	28,258	27,407	55,665	26,668	25,862	52,530	25,406	24,628	50,034
0-14	29,469	28,614	58,083	28,187	27,348	55,535	26,611	25,817	52,428
15-19	29,884	29,066	58,950	29,388	28,567	57,955	28,120	27,311	55,431
20-24	28,446	27,703	56,149	29,742	28,989	58,731	29,263	28,507	57,770
25-29	31,338	30,446	61,784	28,277	27,609	55,886	29,586	28,906	58,492
30-34	33,707	33,654	67,361	31,113	30,321	61,434	28,097	27,517	55,614
35-39	33,331	32,742	66,073	33,325	33,429	66,754	30,800	30,147	60,947
40-44	38,940	33,119	72,059	32,828	32,405	65,233	32,880	33,132	66,012
45-49	39,909	34,725	74,634	38,210	32,664	70,874	32,268	32,011	64,279
50-54	31,918	28,108	60,026	38,850	34,022	72,872	37,264	32,060	69,324
55-59	26,320	23,433	49,753	30,815	27,208	58,023	37,583	33,016	70,599
60-64	19,058	16,826	35,884	25,040	22,485	47,525	29,388	26,185	55,573
65-69	15,256	13,889	29,145	17,721	15,884	33,605	23,352	21,302	44,654
70-74	11,316	10,521	21,837	13,494	12,483	25,977	15,745	14,357	30,102
75-79	7,609	7,583	15,192	9,233	8,908	18,141	11,067	10,638	21,705
80-84	4,683	5,192	9,875	5,307	5,662	10,969	6,484	6,703	13,187
85+	2,747	3,186	5,933	3,463	4,171	7,634	4,109	4,893	9,002
All Ages	438,999	412,177	851,176	447,180	422,720	869,900	452,779	431,087	883,866

4.4 Projected Population for Selected Age Groups

For the purposes of planning, it is useful to know the population sizes in specific age groups. Table 4.6 presents the populations at ages 0, and in age groups 1-4, 6 and higher, 15-24, 15-44, 15-49, 58 and higher, 60 and higher and 65 and higher. Further, for educational planning, populations in single years up to 18 are required. These are shown in Table 4.7. Further, Table 4.8 gives projected populations in various age groups within the school and college going ages covering the pre-school period as well. It is seen that there will be gradual decline in the population of school ages. The population of these special age groups separately for rural and urban areas have been provided in the Appendix Tables (A16 to A19).

Table 4.6 Projected Population by Selected Age Groups, Bhutan, 2017-2047

Selected Age-group	2017			2022			2027		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0	5,746	5,371	11,117	6,101	5,908	12,009	5,926	5,735	11,661
1-4	23,430	22,927	46,357	24,270	23,570	47,840	23,860	23,143	47,003
6+	344,568	311,954	656,522	362,120	330,783	692,903	378,159	348,604	726,763
15-24	75,754	143,701	219,455	68,881	67,565	136,446	65,996	64,688	130,684
15-44	205,578	179,627	385,205	215,068	192,911	407,979	215,428	196,735	412,163
15-49	224,443	196,295	420,738	236,698	211,704	448,402	243,629	221,620	465,249
58+	36,888	35,736	72,624	42,570	41,122	83,692	50,035	47,811	97,846
60+	32,308	95,242	127,550	37,063	36,163	73,226	43,464	41,938	85,402
65+	21,810	21,254	43,064	25,437	25,278	50,715	29,557	29,373	58,930

Selected Age-group	2032			2037		
	Male	Female	Total	Male	Female	Total
0	5,561	5,380	10,941	5,266	5,093	10,359
1-4	22,875	22,168	45,043	21,544	20,870	42,414
6+	393,623	365,819	759,442	406,685	380,876	787,561
15-24	60,151	58,366	118,517	58,330	56,769	115,099
15-44	208,253	193,978	402,231	195,646	186,730	382,376
15-49	241,108	222,725	463,833	235,555	221,455	457,010
58+	58,832	55,570	114,402	70,392	65,828	136,220
60+	51,428	49,087	100,515	60,669	57,197	117,866
65+	34,967	34,314	69,281	41,611	40,371	81,982

Selected Age-group	2042			2047		
	Male	Female	Total	Male	Female	Total
0	5,045	4,877	9,922	4,931	4,766	9,697
1-4	20,474	19,826	40,300	19,825	19,191	39,016
6+	416,440	392,952	809,392	423,011	402,276	825,287
15-24	59,130	57,556	116,686	57,383	55,818	113,201
15-44	184,673	181,320	365,993	178,746	175,520	354,266
15-49	222,883	213,984	436,867	211,014	207,531	418,545
58+	85,743	79,754	165,497	104,556	96,817	201,373
60+	74,258	69,593	143,851	90,145	84,078	174,223
65+	49,218	47,108	96,326	60,757	57,893	118,650

Table 4.7 Projected Population 0 – 18 years by Sex, Bhutan, 2022-2047

Age	2022 Male	2022 Female	2022 Total	2027 Male	2027 Female	2027 Total	2032 Male	2032 Female	2032 Total
0	6,101	5,908	12,009	5,926	5,735	11,661	5,561	5,380	10,941
1	6,091	5,907	11,998	5,934	5,751	11,685	5,633	5,453	11,086
2	6,079	5,904	11,983	5,959	5,776	11,735	5,698	5,521	11,219
3	6,068	5,893	11,961	5,981	5,804	11,785	5,743	5,568	11,311
4	6,032	5,866	11,898	5,986	5,812	11,798	5,801	5,626	11,427
5	5,240	5,257	10,497	6,005	5,832	11,837	5,852	5,679	11,531
6	5,599	5,481	11,080	6,021	5,847	11,868	5,879	5,707	11,586
7	5,849	5,646	11,495	6,028	5,862	11,890	5,919	5,743	11,662
8	6,012	5,757	11,769	6,027	5,854	11,881	5,948	5,775	11,723
9	6,117	5,841	11,958	5,998	5,832	11,830	5,958	5,786	11,744
10	6,192	5,915	12,107	5,214	5,229	10,443	5,980	5,807	11,787
11	6,260	6,007	12,267	5,574	5,453	11,027	6,001	5,823	11,824
12	6,344	6,124	12,468	5,824	5,622	11,446	6,007	5,841	11,848
13	6,466	6,279	12,745	5,991	5,736	11,727	6,007	5,838	11,845
14	6,615	6,463	13,078	6,097	5,824	11,921	5,982	5,817	11,799
15	6,776	6,660	13,436	6,173	5,898	12,071	5,199	5,219	10,418
16	6,907	6,819	13,726	6,237	5,989	12,226	5,557	5,439	10,996
17	6,977	6,915	13,892	6,319	6,106	12,425	5,803	5,608	11,411
18	6,953	6,916	13,869	6,437	6,258	12,695	5,969	5,722	11,691
0 – 18 Years	118,678	115,558	234,236	113,731	110,220	223,951	110,497	107,352	217,849
6 – 18 Years	83,067	80,823	163,890	77,940	75,510	153,450	76,209	74,125	150,334

Age	2037 Male	2037 Female	2037 Total	2042 Male	2042 Female	2042 Total	2047 Male	2047 Female	2047 Total
0	5,266	5,093	10,359	5,045	4,877	9,922	4,931	4,766	9,697
1	5,317	5,147	10,464	5,070	4,906	9,976	4,935	4,774	9,709
2	5,365	5,195	10,560	5,100	4,936	10,036	4,947	4,786	9,733
3	5,411	5,242	10,653	5,133	4,974	10,107	4,962	4,805	9,767
4	5,451	5,286	10,737	5,171	5,010	10,181	4,981	4,826	9,807
5	5,504	5,338	10,842	5,221	5,065	10,286	5,012	4,854	9,866
6	5,593	5,421	11,014	5,285	5,122	10,407	5,043	4,890	9,933
7	5,666	5,496	11,162	5,340	5,177	10,517	5,082	4,922	10,004
8	5,716	5,548	11,264	5,390	5,228	10,618	5,114	4,962	10,076
9	5,779	5,604	11,383	5,432	5,270	10,702	5,155	5,000	10,155
10	5,830	5,661	11,491	5,488	5,323	10,811	5,209	5,054	10,263
11	5,860	5,688	11,548	5,577	5,407	10,984	5,271	5,110	10,381
12	5,902	5,728	11,630	5,651	5,484	11,135	5,329	5,169	10,498
13	5,932	5,761	11,693	5,703	5,539	11,242	5,380	5,220	10,600
14	5,945	5,776	11,721	5,768	5,595	11,363	5,422	5,264	10,686
15	5,964	5,796	11,760	5,818	5,653	11,471	5,477	5,316	10,793
16	5,987	5,811	11,798	5,846	5,679	11,525	5,568	5,402	10,970
17	5,988	5,828	11,816	5,886	5,719	11,605	5,636	5,475	11,111
18	5,987	5,828	11,815	5,914	5,751	11,665	5,689	5,532	11,221
0 – 18 Years	108,463	105,247	213,710	103,838	100,715	204,553	99,143	96,127	195,270
6 – 18 Years	76,149	73,946	150,095	73,098	70,947	144,045	69,375	67,316	136,691

Table 4.8 Selected School Going Age Population by Sex, Bhutan, 2022-2047

School Going Age Group	2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	17,340	17,016	34,356	17,972	17,448	35,420	17,396	16,873	34,269
6 – 12	23,804	23,008	46,812	23,900	23,185	47,085	23,753	23,066	46,819
13 – 16	26,764	26,221	52,985	24,498	23,447	47,945	22,745	22,313	45,058
17 – 18	13,930	13,831	27,761	12,756	12,364	25,120	11,772	11,330	23,102
19 – 22	27,051	26,947	53,998	27,113	26,747	53,860	24,698	23,735	48,433

School Going Age Group	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	16,366	15,866	32,232	15,525	15,049	30,574	14,955	14,485	29,440
6 – 12	22,877	22,193	45,070	21,666	21,011	42,677	20,568	19,943	40,511
13 – 16	23,828	23,144	46,972	23,135	22,466	45,601	21,847	21,202	43,049
17 – 18	11,975	11,656	23,631	11,800	11,470	23,270	11,325	11,007	22,332
19 – 22	22,438	22,022	44,460	23,787	23,159	46,946	23,235	22,606	45,841

4.5 Projected size of Urban and Rural Population

Bhutan is urbanizing and the share of urban population increased from 30.9 percent in 2005 to 37.8 percent in 2017. As the process of urbanization is projected to continue, the share of urban population is projected to rise to 56.8 percent by 2047. The projected rural and urban populations are presented in Table 4.9 on the assumption of constant urban-rural growth difference. Accordingly, by 2037, a majority of the population of Bhutan will be residing in urban areas reaching 56.8 percent by 2047. A consequence is that in absolute terms, the size of rural population will decline over time, falling below 400 thousand soon after 2042.

The projected age-sex distributions of population by five year age groups, separately for rural and urban areas are shown in Tables 4.10 and 4.11.

Table 4.9 Projected Population in Urban areas by Sex as, 2017 – 2047

Year	Projected Urban Population			Percent Urban	Projected Rural Population			Percent Rural
	Total	Male	Female		Total	Male	Female	
2017	274,967	143,855	131,112	37.8	452,178	236,598	215,580	62.2
2022	311,994	162,568	149,426	40.9	451,255	235,163	216,092	59.1
2027	350,892	182,174	168,718	44.0	446,372	231,776	214,596	56.0
2032	390,286	201,940	188,346	47.2	436,671	225,971	210,700	52.8
2037	429,009	221,249	207,760	50.4	422,167	217,750	204,417	49.6
2042	466,310	239,696	226,614	53.6	403,590	207,484	196,106	46.4
2047	501,848	257,067	244,781	56.8	382,018	195,712	186,306	43.2

Table 4.10 Projected Population in Urban Areas by Age and Sex, Bhutan, 2017-2047

Age-group	2017			2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	11,071	10,409	21,480	12,604	11,882	24,485	13,496	12,753	26,249	14,046	13,320	27,366
5-9	11,436	11,143	22,579	11,289	11,050	22,339	12,912	12,663	25,574	13,886	13,629	27,515
10-14	12,136	12,163	24,299	12,262	11,989	24,251	12,111	11,914	24,025	13,862	13,668	27,529
15-19	15,073	15,328	30,401	16,260	16,850	33,110	16,198	16,350	32,548	15,760	15,965	31,725
20-24	19,006	16,766	35,772	17,188	17,551	34,739	18,443	19,197	37,640	18,266	18,514	36,781
25-29	18,829	16,898	35,727	19,377	17,053	36,430	17,572	17,922	35,495	18,907	19,665	38,572
30-34	14,792	13,070	27,862	19,371	17,023	36,394	19,987	17,266	37,252	18,170	18,226	36,396
35-39	12,114	10,436	22,550	15,267	13,074	28,341	20,056	17,133	37,189	20,749	17,471	38,219
40-44	8,434	6,486	14,920	11,984	9,429	21,412	15,202	11,967	27,169	20,091	15,885	35,976
45-49	6,848	5,132	11,980	8,608	6,398	15,007	12,286	9,377	21,663	15,650	11,991	27,641
50-54	4,731	3,629	8,360	6,147	4,714	10,860	7,817	5,947	13,764	11,290	8,819	20,109
55-59	2,902	2,600	5,502	3,865	3,345	7,210	5,100	4,398	9,498	6,591	5,616	12,207
60-64	2,160	2,173	4,333	2,686	2,599	5,285	3,612	3,375	6,988	4,814	4,476	9,291
65-69	1,483	1,519	3,002	2,114	2,284	4,398	2,649	2,751	5,399	3,589	3,597	7,186
70-74	1,072	1,332	2,404	1,353	1,652	3,005	1,947	2,498	4,444	2,463	3,017	5,480
75-79	803	914	1,717	1,061	1,202	2,263	1,349	1,510	2,858	1,949	2,305	4,254
80-84	544	630	1,174	616	725	1,341	822	965	1,788	1,059	1,229	2,288
85+	421	484	905	519	605	1,123	616	732	1,347	798	953	1,751
All Ages	143,855	131,112	274,967	162,568	149,426	311,994	182,174	168,718	350,892	201,940	188,346	390,286

Age-group	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	14,369	13,647	28,016	14,757	14,011	28,768	15,353	14,554	29,907
5-9	14,464	14,173	28,637	14,788	14,452	29,240	15,171	14,761	29,932
10-14	14,865	14,632	29,496	15,423	15,126	30,549	15,699	15,329	31,029
15-19	17,699	17,876	35,574	18,602	18,680	37,281	18,911	18,859	37,771
20-24	17,619	17,871	35,490	19,599	19,785	39,384	20,398	20,452	40,850
25-29	18,722	18,931	37,653	18,039	18,232	36,271	20,036	20,138	40,174
30-34	19,537	19,974	39,511	19,315	19,201	38,516	18,571	18,464	37,035
35-39	18,852	18,436	37,288	20,235	20,184	40,420	19,958	19,380	39,338
40-44	20,837	16,305	37,143	18,957	17,311	36,267	20,365	19,060	39,425
45-49	20,688	15,924	36,612	21,435	16,345	37,781	19,471	17,347	36,818
50-54	14,505	11,329	25,834	19,317	15,105	34,421	20,150	15,560	35,710
55-59	9,643	8,363	18,005	12,542	10,780	23,322	16,900	14,415	31,316
60-64	6,260	5,716	11,975	9,198	8,505	17,703	12,011	10,948	22,959
65-69	4,798	4,757	9,556	6,249	6,055	12,304	9,186	8,972	18,157
70-74	3,354	3,926	7,280	4,498	5,157	9,655	5,876	6,517	12,393
75-79	2,466	2,788	5,254	3,349	3,630	6,979	4,470	4,768	9,238
80-84	1,535	1,878	3,413	1,945	2,272	4,217	2,645	2,962	5,606
85+	1,036	1,234	2,271	1,449	1,785	3,233	1,895	2,295	4,190
All Ages	221,249	207,760	429,009	239,696	226,614	466,310	257,067	244,781	501,848

Table 4.11 Projected Population in Rural Areas by Age and Sex, Bhutan, 2017-2047

Age-group	2017 Male	2017 Female	2017 Total	2022 Male	2022 Female	2022 Total	2027 Male	2027 Female	2027 Total	2032 Male	2032 Female	2032 Total
0-4	18,105	17,889	35,994	17,768	17,596	35,364	16,291	16,125	32,415	14,391	14,228	28,619
5-9	20,599	19,813	40,412	17,528	16,931	34,460	17,167	16,564	33,731	15,670	15,062	30,732
10-14	22,520	22,133	44,653	19,615	18,799	38,414	16,589	15,950	32,538	16,115	15,458	31,573
15-19	19,606	18,279	37,885	18,232	17,315	35,547	15,552	14,345	29,896	12,843	11,834	24,676
20-24	22,069	17,574	39,643	17,204	15,853	33,057	15,807	14,803	30,611	13,288	12,062	25,350
25-29	23,973	19,580	43,553	21,267	17,028	38,295	16,514	15,278	31,792	15,081	14,163	29,244
30-34	20,267	17,051	37,318	22,879	19,138	42,017	20,213	16,571	36,785	15,597	14,779	30,376
35-39	17,575	15,424	32,999	19,094	16,651	35,744	21,478	18,629	40,107	18,859	16,049	34,908
40-44	13,840	12,735	26,575	16,952	15,953	32,905	18,414	17,286	35,700	20,655	19,385	40,041
45-49	12,017	11,536	23,553	13,022	12,394	25,416	15,914	15,507	31,421	17,205	16,754	33,959
50-54	10,725	10,232	20,957	12,012	11,452	23,464	13,080	12,337	25,417	16,034	15,455	31,489
55-59	9,477	8,919	18,396	10,880	9,889	20,769	12,293	11,100	23,393	13,486	11,974	25,459
60-64	8,338	8,040	16,378	8,939	8,285	17,224	10,293	9,188	19,480	11,643	10,294	21,937
65-69	6,102	5,550	11,652	7,497	7,193	14,689	8,044	7,394	15,438	9,251	8,169	17,421
70-74	4,804	4,260	9,064	5,226	4,553	9,780	6,439	5,877	12,316	6,915	5,997	12,912
75-79	3,162	2,992	6,154	3,601	3,392	6,993	3,920	3,636	7,556	4,809	4,690	9,499
80-84	2,107	2,116	4,223	2,056	2,099	4,155	2,351	2,385	4,736	2,569	2,566	5,135
85+	1,312	1,457	2,769	1,393	1,569	2,962	1,417	1,620	3,037	1,558	1,783	3,341
Total	236,598	215,580	452,178	235,163	216,092	451,255	231,776	214,596	446,372	225,971	210,700	436,671

Age-group	2037 Male	2037 Female	2037 Total	2042 Male	2042 Female	2042 Total	2047 Male	2047 Female	2047 Total
0-4	12,442	12,317	24,759	10,763	10,693	21,457	9,405	9,405	18,810
5-9	13,794	13,234	27,029	11,880	11,411	23,292	10,236	9,869	20,105
10-14	14,604	13,983	28,587	12,764	12,223	24,988	10,913	10,489	21,402
15-19	12,189	11,195	23,384	10,791	9,893	20,684	9,215	8,457	17,671
20-24	10,832	9,838	20,669	10,150	9,210	19,360	8,872	8,061	16,933
25-29	12,620	11,520	24,140	10,243	9,382	19,625	9,556	8,774	18,330
30-34	14,173	13,685	27,858	11,803	11,124	22,927	9,531	9,057	18,589
35-39	14,481	14,309	28,791	13,093	13,248	26,341	10,847	10,770	21,617
40-44	18,104	16,813	34,917	13,874	15,094	28,968	12,518	14,072	26,590
45-49	19,222	18,798	38,020	16,776	16,317	33,093	12,799	14,662	27,462
50-54	17,410	16,775	34,185	19,531	18,913	38,443	17,112	16,496	33,608
55-59	16,673	15,065	31,738	18,267	16,422	34,689	20,674	18,594	39,268
60-64	12,794	11,106	23,900	15,835	13,975	29,810	17,368	15,231	32,599
65-69	10,454	9,128	19,582	11,467	9,825	21,292	14,158	12,326	26,484
70-74	7,959	6,593	14,552	8,991	7,324	16,315	9,863	7,837	17,701
75-79	5,141	4,793	9,934	5,881	5,277	11,158	6,593	5,868	12,462
80-84	3,147	3,313	6,460	3,360	3,389	6,749	3,837	3,740	7,577
85+	1,710	1,951	3,661	2,014	2,386	4,399	2,213	2,598	4,810
Total	217,750	204,417	422,167	207,484	196,106	403,590	195,712	186,306	382,018

4.6 Projections for Dzongkhags

The populations of the 20 *Dzongkhags* were projected by applying the ratio method. The projected shares of *Dzongkhags* are depicted in Fig 4.5. Among the *Dzongkhags*, Thimphu is the largest in terms of population size. Its share will rise further and by 2047 Thimphu is expected to contain 30 percent of the population of Bhutan. The projected populations are presented in Table 4.12. In 2017 Thimphu was the only *Dzongkhag* with population over 100 thousand and is projected to have a population of over 260 thousand by 2047. No other *Dzongkhag* is expected to have a population exceeding 100 thousand by 2047. However, Paro, Chhukha, Sarpang, Samtse, and Wangdue are projected to have populations over 50 thousand in 2047.

Figure 4.5 Percentage Share of Dzongkhag Population, 2047
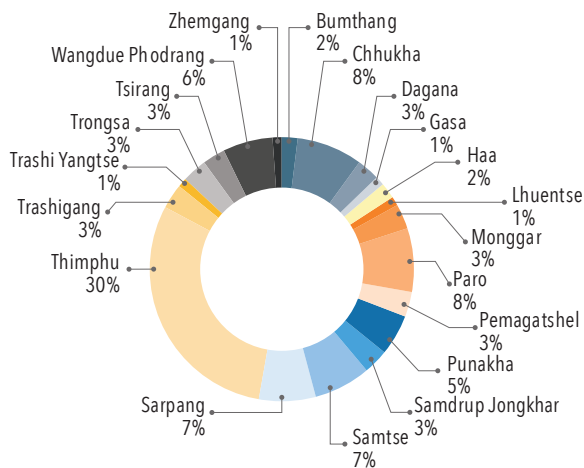
Table 4.12 Projected Population of Dzongkhag, 2022-2047

Dzongkhag	2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bumthang	9,456	8,835	18,291	9,562	9,217	18,780	9,593	9,545	19,138
Chhukha	36,016	33,804	69,820	36,145	34,496	70,641	35,965	34,919	70,884
Dagana	13,410	12,322	25,732	13,961	12,567	26,528	14,437	12,713	27,150
Gasa	2,283	2,007	4,290	2,487	2,166	4,653	2,687	2,318	5,006
Haa	7,522	6,290	13,812	7,648	6,316	13,964	7,718	6,283	14,001
Lhuentse	7,032	6,599	13,631	6,655	6,068	12,723	6,185	5,430	11,616
Monggar	17,498	18,886	36,383	16,758	18,711	35,469	15,805	18,340	34,144
Paro	25,944	24,979	50,922	28,235	27,651	55,886	30,475	30,302	60,777
Pemagatshel	11,994	11,805	23,799	12,125	11,812	23,937	12,159	11,706	23,865
Punakha	16,228	14,562	30,790	17,547	15,439	32,986	18,827	16,247	35,073
Samdrup	18,256	16,652	34,908	18,255	16,406	34,661	18,093	15,979	34,072
Samtse	31,759	31,280	63,038	31,609	31,808	63,417	31,167	32,078	63,245
Sarpang	25,696	23,776	49,472	27,633	25,559	53,192	29,494	27,259	56,753
Thimphu	81,349	77,038	158,386	91,304	88,368	179,672	101,316	99,886	201,203
Trashigang	21,981	20,871	42,852	20,517	19,335	39,853	18,744	17,472	36,216
Trashi Yangtse	8,397	8,300	16,697	8,084	7,920	16,004	7,671	7,429	15,100
Trongsa	14,108	8,761	22,868	14,817	9,438	24,256	15,457	10,087	25,545
Tsirang	12,220	11,551	23,771	13,028	12,230	25,259	13,791	12,854	26,645
Wangdue Phodrang	27,802	19,056	46,858	29,210	20,194	49,404	30,482	21,242	51,724
Zhemgang	8,781	8,145	16,926	8,368	7,611	15,979	7,845	6,954	14,799
Bhutan	397,731	365,518	763,249	413,950	383,314	797,264	427,911	399,046	826,957

Dzongkhag	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bumthang	9,539	9,807	19,346	9,405	10,005	19,410	9,205	10,149	19,353
Chhukha	35,446	35,043	70,489	34,614	34,888	69,501	33,520	34,506	68,025
Dagana	14,816	12,750	27,566	15,097	12,684	27,781	15,291	12,536	27,827
Gasa	2,878	2,461	5,338	3,055	2,591	5,646	3,221	2,711	5,932
Haa	7,723	6,188	13,912	7,666	6,037	13,704	7,557	5,842	13,399
Lhuentse	5,626	4,693	10,319	4,991	3,873	8,864	4,297	2,991	7,288
Monggar	14,641	17,766	32,407	13,294	17,014	30,308	11,804	16,120	27,923
Paro	32,599	32,865	65,464	34,581	35,312	69,892	36,419	37,648	74,067
Pemagatshel	12,086	11,481	23,567	11,912	11,148	23,061	11,653	10,731	22,383
Punakha	20,027	16,962	36,988	21,133	17,580	38,713	22,148	18,116	40,264
Samdrup	17,755	15,369	33,124	17,256	14,597	31,852	16,622	13,698	30,320
Samtse	30,411	32,064	62,475	29,368	31,788	61,156	28,089	31,298	59,388
Sarpang	31,221	28,828	60,049	32,794	30,255	63,048	34,218	31,556	65,774
Thimphu	111,128	111,324	222,452	120,595	122,531	243,126	129,672	133,481	263,152
Trashigang	16,674	15,304	31,978	14,355	12,881	27,236	11,844	10,266	22,110
Trashi Yangtse	7,159	6,831	13,991	6,562	6,142	12,703	5,896	5,382	11,278
Trongsa	16,003	10,690	26,693	16,451	11,240	27,691	16,809	11,745	28,555
Tsirang	14,484	13,403	27,887	15,099	13,875	28,974	15,641	14,281	29,923
Wangdue Phodrang	31,569	22,167	53,736	32,463	22,967	55,430	33,182	23,658	56,840
Zhemgang	7,214	6,182	13,396	6,489	5,313	11,803	5,692	4,371	10,063
Bhutan	438,999	412,177	452,779	447,180	422,720	869,900	452,779	431,087	883,866

Appendix Tables

Table A1 Abridged Life Tables - MALES (2018-2047)

| | 2018 | | | | | 2022 | | | |
Age	q(x,n)	l(x)	L(x,n)	T(x)	e(x)	q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.030	100,000	97,371	6,837,644	68.4	0.026	100,000	97,689	6,987,401	69.9
1-4	0.017	96,980	383,906	6,740,272	69.5	0.014	97,381	386,326	6,889,712	70.8
5-9	0.007	95,333	475,090	6,356,366	66.7	0.006	96,062	478,968	6,503,385	67.7
10-14	0.004	94,703	472,632	5,881,276	62.1	0.003	95,525	476,862	6,024,418	63.1
15-19	0.006	94,349	470,251	5,408,645	57.3	0.006	95,219	474,778	5,547,556	58.3
20-24	0.011	93,751	466,127	4,938,394	52.7	0.010	94,692	471,144	5,072,778	53.6
25-29	0.011	92,699	460,986	4,472,266	48.2	0.009	93,765	466,631	4,601,634	49.1
30-34	0.017	91,695	454,668	4,011,280	43.8	0.014	92,887	461,103	4,135,002	44.5
35-39	0.026	90,172	445,041	3,556,612	39.4	0.022	91,554	452,624	3,673,900	40.1
40-44	0.027	87,844	433,255	3,111,571	35.4	0.024	89,496	442,092	3,221,276	36.0
45-49	0.033	85,458	420,261	2,678,316	31.3	0.030	87,341	430,185	2,779,184	31.8
50-54	0.045	82,647	403,968	2,258,055	27.3	0.041	84,733	414,882	2,348,999	27.7
55-59	0.049	78,940	385,010	1,854,087	23.5	0.046	81,220	396,716	1,934,116	23.8
60-64	0.076	75,064	361,100	1,469,077	19.6	0.072	77,466	373,388	1,537,400	19.9
65-69	0.097	69,376	330,085	1,107,977	16.0	0.093	71,889	342,739	1,164,012	16.2
70-74	0.176	62,658	285,794	777,892	12.4	0.170	65,207	298,325	821,273	12.6
75-79	0.246	51,660	226,475	492,097	9.5	0.240	54,123	238,114	522,948	9.7
80-84	0.424	38,930	153,350	265,622	6.8	0.418	41,122	162,666	284,834	6.9
85+	..	22,410	112,272	112,272	5.0	..	23,944	122,168	122,168	5.1

| | 2027 | | | | | 2032 | | | |
Age	q(x,n)	l(x)	L(x,n)	T(x)	e(x)	q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.022	100,000	97,997	7,134,000	71.3	0.019	100,000	98,243	7,254,022	72.5
1-4	0.011	97,756	388,532	7,036,004	72.0	0.008	98,051	390,214	7,155,780	73.0
5-9	0.005	96,722	482,484	6,647,472	68.7	0.004	97,222	485,150	6,765,566	69.6
10-14	0.003	96,272	480,707	6,164,988	64.0	0.002	96,838	483,629	6,280,416	64.9
15-19	0.005	96,011	478,908	5,684,281	59.2	0.004	96,613	482,056	5,796,787	60.0
20-24	0.008	95,552	475,747	5,205,373	54.5	0.007	96,209	479,275	5,314,731	55.2
25-29	0.008	94,747	471,839	4,729,626	49.9	0.007	95,501	475,851	4,835,456	50.6
30-34	0.012	93,989	467,069	4,257,786	45.3	0.011	94,839	471,686	4,359,606	46.0
35-39	0.019	92,839	459,704	3,790,718	40.8	0.017	93,835	465,218	3,887,920	41.4
40-44	0.021	91,043	450,414	3,331,014	36.6	0.019	92,252	456,945	3,422,702	37.1
45-49	0.027	89,122	439,620	2,880,600	32.3	0.024	90,526	447,098	2,965,756	32.8
50-54	0.038	86,726	425,380	2,440,980	28.2	0.035	88,313	433,795	2,518,658	28.5
55-59	0.043	83,426	408,105	2,015,600	24.2	0.041	85,205	417,341	2,084,864	24.5
60-64	0.068	79,816	385,489	1,607,495	20.1	0.065	81,732	395,426	1,667,523	20.4
65-69	0.089	74,380	355,369	1,222,006	16.4	0.085	76,439	365,879	1,272,098	16.6
70-74	0.164	67,768	311,028	866,638	12.8	0.159	69,913	321,767	906,219	13.0
75-79	0.234	56,644	250,132	555,610	9.8	0.228	58,794	260,481	584,451	9.9
80-84	0.411	43,409	172,454	305,478	7.0	0.405	45,398	181,028	323,971	7.1
85+	..	25,573	133,024	133,024	5.2	..	27,013	142,943	142,943	5.3

Table A1 Abridged LifeTables-MALES(2018-2047)

Age	2037 q(x,n)	l(x)	L(x,n)	T(x)	e(x)	2042 q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.017	100,000	98,439	7,352,055	73.5	0.015	100,000	98,613	7,440,797	74.4
1-4	0.007	98,281	391,499	7,253,616	73.8	0.006	98,482	392,595	7,342,184	74.6
5-9	0.003	97,602	487,179	6,862,116	70.3	0.003	97,923	488,898	6,949,590	71.0
10-14	0.002	97,270	485,857	6,374,937	65.5	0.002	97,636	487,747	6,460,692	66.2
15-19	0.004	97,073	484,464	5,889,080	60.7	0.003	97,463	486,511	5,972,945	61.3
20-24	0.007	96,713	481,986	5,404,616	55.9	0.006	97,141	484,302	5,486,434	56.5
25-29	0.006	96,082	478,947	4,922,630	51.2	0.005	96,579	481,602	5,002,133	51.8
30-34	0.009	95,497	475,263	4,443,683	46.5	0.008	96,061	478,340	4,520,531	47.1
35-39	0.015	94,608	469,513	3,968,420	42.0	0.013	95,275	473,225	4,042,190	42.4
40-44	0.017	93,197	462,069	3,498,906	37.5	0.015	94,015	466,523	3,568,966	38.0
45-49	0.022	91,631	453,012	3,036,838	33.1	0.021	92,594	458,194	3,102,443	33.5
50-54	0.033	89,574	440,520	2,583,826	28.9	0.031	90,684	446,471	2,644,248	29.2
55-59	0.039	86,634	424,801	2,143,306	24.7	0.037	87,905	431,468	2,197,777	25.0
60-64	0.062	83,287	403,544	1,718,505	20.6	0.059	84,683	410,878	1,766,309	20.9
65-69	0.082	78,131	374,571	1,314,961	16.8	0.079	79,669	382,517	1,355,430	17.0
70-74	0.155	71,698	330,777	940,390	13.1	0.150	73,338	339,125	972,914	13.3
75-79	0.223	60,613	269,308	609,613	10.1	0.218	62,312	277,614	633,788	10.2
80-84	0.400	47,110	188,451	340,305	7.2	0.395	48,734	195,532	356,174	7.3
85+	..	28,271	151,853	151,853	5.4	..	29,479	160,642	160,642	5.5

Age	2047 q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.013	100,000	98,770	7,524,002	75.2
1-4	0.005	98,662	393,560	7,425,231	75.3
5-9	0.003	98,205	490,404	7,031,670	71.6
10-14	0.002	97,956	489,405	6,541,266	66.8
15-19	0.003	97,805	488,311	6,051,862	61.9
20-24	0.005	97,519	486,347	5,563,551	57.1
25-29	0.005	97,020	483,956	5,077,204	52.3
30-34	0.007	96,563	481,077	4,593,248	47.6
35-39	0.012	95,868	476,540	4,112,172	42.9
40-44	0.014	94,748	470,525	3,635,631	38.4
45-49	0.019	93,462	462,887	3,165,106	33.9
50-54	0.029	91,693	451,913	2,702,220	29.5
55-59	0.035	89,072	437,628	2,250,306	25.3
60-64	0.057	85,979	417,729	1,812,679	21.1
65-69	0.077	81,113	390,026	1,394,950	17.2
70-74	0.146	74,897	347,123	1,004,924	13.4
75-79	0.213	63,952	285,695	657,801	10.3
80-84	0.390	50,326	202,512	372,106	7.4
85+		30,679	169,595	169,595	5.5

Table A2 Abridged Life Tables - FEMALES (2018 - 2047)

Age	q(x,n)	l(x)	L(x,n)	T(x)	e(x)	q(x,n)	l(x)	L(x,n)	T(x)	e(x)
			2018					**2022**		
0	0.021	100,000	98,146	7,141,082	71.4	0.018	100,000	98,380	7,278,998	72.8
1-4	0.015	97,911	388,013	7,042,936	71.9	0.012	98,191	389,890	7,180,618	73.1
5-9	0.008	96,464	480,452	6,654,924	69.0	0.006	97,043	483,668	6,790,729	70.0
10-14	0.004	95,717	477,726	6,174,472	64.5	0.003	96,425	481,410	6,307,061	65.4
15-19	0.005	95,374	475,734	5,696,745	59.7	0.004	96,139	479,741	5,825,652	60.6
20-24	0.008	94,920	472,638	5,221,011	55.0	0.007	95,757	477,124	5,345,911	55.8
25-29	0.008	94,136	468,839	4,748,373	50.4	0.007	95,093	473,889	4,868,787	51.2
30-34	0.011	93,400	464,495	4,279,534	45.8	0.009	94,463	470,148	4,394,898	46.5
35-39	0.017	92,398	458,012	3,815,039	41.3	0.015	93,596	464,472	3,924,750	41.9
40-44	0.022	90,807	449,111	3,357,027	37.0	0.019	92,193	456,512	3,460,278	37.5
45-49	0.024	88,838	438,760	2,907,916	32.7	0.022	90,412	447,018	3,003,766	33.2
50-54	0.038	86,666	425,121	2,469,155	28.5	0.035	88,395	434,240	2,556,748	28.9
55-59	0.055	83,382	405,385	2,044,034	24.5	0.052	85,301	415,484	2,122,509	24.9
60-64	0.057	78,772	382,642	1,638,649	20.8	0.054	80,892	393,631	1,707,025	21.1
65-69	0.091	74,285	354,469	1,256,007	16.9	0.087	76,560	366,139	1,313,394	17.2
70-74	0.160	67,502	310,443	901,538	13.4	0.155	69,896	322,478	947,255	13.6
75-79	0.203	56,675	254,663	591,095	10.4	0.197	59,095	266,358	624,777	10.6
80-84	0.365	45,190	184,769	336,432	7.4	0.359	47,448	194,707	358,420	7.6
85+	..	28,717	151,662	151,662	5.3	..	30,435	163,713	163,713	5.4
			2027					**2032**		
0	0.015	100,000	98,621	7,424,206	74.2	0.013	100,000	98,821	7,547,824	75.5
1-4	0.009	98,475	391,722	7,325,584	74.4	0.007	98,707	393,158	7,449,003	75.5
5-9	0.005	97,602	486,781	6,933,862	71.0	0.004	98,037	489,198	7,055,844	72.0
10-14	0.002	97,110	484,977	6,447,081	66.4	0.002	97,642	487,747	6,566,646	67.3
15-19	0.003	96,881	483,627	5,962,104	61.5	0.003	97,457	486,648	6,078,900	62.4
20-24	0.006	96,570	481,488	5,478,477	56.7	0.005	97,202	484,889	5,592,252	57.5
25-29	0.005	96,025	478,821	4,996,989	52.0	0.004	96,753	482,679	5,107,364	52.8
30-34	0.008	95,503	475,695	4,518,168	47.3	0.006	96,318	480,054	4,624,685	48.0
35-39	0.013	94,775	470,859	4,042,473	42.7	0.011	95,703	475,919	4,144,630	43.3
40-44	0.017	93,569	463,907	3,571,614	38.2	0.015	94,664	469,832	3,668,712	38.8
45-49	0.020	91,994	455,364	3,107,707	33.8	0.018	93,269	462,136	3,198,880	34.3
50-54	0.032	90,152	443,580	2,652,343	29.4	0.029	91,585	451,269	2,736,744	29.9
55-59	0.048	87,280	425,994	2,208,763	25.3	0.044	88,922	434,795	2,285,476	25.7
60-64	0.050	83,117	405,238	1,782,769	21.5	0.046	84,996	415,115	1,850,681	21.8
65-69	0.082	78,978	378,651	1,377,532	17.4	0.078	81,050	389,471	1,435,566	17.7
70-74	0.148	72,482	335,623	998,880	13.8	0.142	74,738	347,220	1,046,095	14.0
75-79	0.191	61,767	279,381	663,257	10.7	0.185	64,150	291,110	698,876	10.9
80-84	0.352	49,986	205,945	383,876	7.7	0.346	52,294	216,231	407,766	7.8
85+	..	32,392	177,930	177,930	5.5	..	34,198	191,535	191,535	5.6

Table A2 Abridged Life Tables - FEMALES (2018 - 2047)

Age	2037 q(x,n)	l(x)	L(x,n)	T(x)	e(x)	2042 q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.011	100,000	98,996	7,659,262	76.6	0.009	100,000	99,145	7,757,996	77.6
1-4	0.005	98,906	394,350	7,560,266	76.4	0.004	99,073	395,320	7,658,851	77.3
5-9	0.003	98,394	491,182	7,165,916	72.8	0.003	98,682	492,778	7,263,532	73.6
10-14	0.002	98,079	490,019	6,674,734	68.1	0.001	98,429	491,846	6,770,754	68.8
15-19	0.002	97,929	489,128	6,184,715	63.2	0.002	98,309	491,124	6,278,908	63.9
20-24	0.004	97,722	487,688	5,695,586	58.3	0.003	98,140	489,944	5,787,784	59.0
25-29	0.004	97,353	485,864	5,207,898	53.5	0.003	97,837	488,438	5,297,840	54.2
30-34	0.005	96,992	483,670	4,722,034	48.7	0.004	97,538	486,604	4,809,402	49.3
35-39	0.009	96,476	480,148	4,238,364	43.9	0.008	97,104	483,605	4,322,798	44.5
40-44	0.013	95,584	474,839	3,758,216	39.3	0.011	96,338	478,978	3,839,193	39.9
45-49	0.016	94,352	467,930	3,283,377	34.8	0.015	95,253	472,782	3,360,215	35.3
50-54	0.027	92,820	457,947	2,815,447	30.3	0.024	93,860	463,624	2,887,433	30.8
55-59	0.041	90,359	442,572	2,357,500	26.1	0.038	91,590	449,301	2,423,808	26.5
60-64	0.043	86,670	423,982	1,914,928	22.1	0.040	88,131	431,779	1,974,508	22.4
65-69	0.074	82,923	399,340	1,490,945	18.0	0.070	84,581	408,156	1,542,728	18.2
70-74	0.136	76,813	358,008	1,091,606	14.2	0.130	78,682	367,838	1,134,572	14.4
75-79	0.179	66,390	302,242	733,598	11.1	0.173	68,454	312,592	766,734	11.2
80-84	0.340	54,507	226,146	431,356	7.9	0.335	56,583	235,499	454,142	8.0
85+	..	35,952	205,210	205,210	5.7	..	37,617	218,643	218,643	5.8

Age	2047 q(x,n)	l(x)	L(x,n)	T(x)	e(x)
0	0.008	100,000	99,273	7,846,990	78.5
1-4	0.003	99,215	396,121	7,747,718	78.1
5-9	0.002	98,917	494,081	7,351,596	74.3
10-14	0.001	98,715	493,336	6,857,516	69.5
15-19	0.001	98,619	492,751	6,364,180	64.5
20-24	0.003	98,481	491,787	5,871,430	59.6
25-29	0.003	98,233	490,546	5,379,643	54.8
30-34	0.004	97,985	489,016	4,889,097	49.9
35-39	0.007	97,621	486,468	4,400,081	45.1
40-44	0.010	96,966	482,443	3,913,613	40.4
45-49	0.013	96,011	476,898	3,431,170	35.7
50-54	0.022	94,748	468,517	2,954,272	31.2
55-59	0.035	92,658	455,204	2,485,755	26.8
60-64	0.038	89,423	438,729	2,030,551	22.7
65-69	0.066	86,068	416,142	1,591,822	18.5
70-74	0.125	80,388	376,919	1,175,680	14.6
75-79	0.168	70,379	322,342	798,762	11.4
80-84	0.330	58,557	244,436	476,420	8.1
85+	..	39,217	231,984	231,984	5.9

Table A3 Infant Mortality Rates, 2017 - 2042

Year	Infant Mortality Rate		
	Both Sexes	Male	Female
2017	27.6	32.5	22.5
2022	22.2	26.2	18.1
2027	18.9	22.4	15.3
2032	16.3	19.5	12.9
2037	14.1	17.2	10.9
2042	12.3	15.2	9.3
2047	10.7	13.4	7.9

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
0	11,117	12,096	12,125	12,105	12,063	12,009	11,945	11,907	11,826	11,733
1	9,475	10,627	12,019	12,051	12,036	11,998	11,948	11,888	11,853	11,775
2	12,025	11,176	10,569	11,959	11,994	11,983	11,949	11,900	11,843	11,811
3	12,179	11,573	11,140	10,537	11,924	11,961	11,952	11,919	11,872	11,817
4	12,678	11,836	11,545	11,113	10,514	11,898	11,936	11,930	11,897	11,852
5	13,149	12,020	11,813	11,524	11,094	10,497	11,879	11,918	11,914	11,880
6	12,395	12,169	12,004	11,798	11,509	11,080	10,486	11,866	11,905	11,902
7	12,214	12,319	12,151	11,988	11,783	11,495	11,067	10,474	11,854	11,892
8	12,696	12,515	12,302	12,134	11,973	11,769	11,481	11,054	10,462	11,842
9	12,537	12,783	12,497	12,286	12,118	11,958	11,756	11,468	11,041	10,452
10	12,665	13,115	12,770	12,484	12,274	12,107	11,946	11,746	11,459	11,032
11	13,002	13,472	13,105	12,762	12,476	12,267	12,100	11,940	11,740	11,452
12	15,070	13,772	13,463	13,095	12,754	12,468	12,259	12,092	11,933	11,734
13	14,360	13,941	13,762	13,454	13,086	12,745	12,461	12,252	12,085	11,926
14	13,855	13,925	13,931	13,752	13,446	13,078	12,737	12,454	12,245	12,080
15	13,371	13,786	13,912	13,920	13,740	13,436	13,068	12,728	12,445	12,236
16	14,415	13,585	13,771	13,897	13,906	13,726	13,424	13,056	12,717	12,435
17	13,898	13,444	13,569	13,757	13,883	13,892	13,712	13,412	13,044	12,705
18	13,478	13,451	13,430	13,554	13,743	13,869	13,880	13,699	13,402	13,033
19	13,124	13,675	13,437	13,415	13,540	13,731	13,856	13,868	13,687	13,391
20	14,308	14,046	13,655	13,418	13,396	13,521	13,713	13,838	13,850	13,671
21	14,339	14,419	14,019	13,630	13,395	13,374	13,499	13,692	13,817	13,830
22	15,251	14,735	14,391	13,994	13,606	13,372	13,352	13,477	13,671	13,796
23	15,558	15,059	14,705	14,363	13,968	13,582	13,350	13,330	13,456	13,651
24	15,959	15,380	15,030	14,678	14,337	13,943	13,560	13,329	13,310	13,436
25	16,386	15,667	15,351	15,002	14,653	14,314	13,919	13,539	13,308	13,290
26	16,108	15,979	15,638	15,323	14,975	14,628	14,292	13,898	13,520	13,290
27	16,418	16,206	15,949	15,611	15,296	14,951	14,605	14,269	13,878	13,500
28	16,061	16,154	16,176	15,920	15,585	15,270	14,927	14,583	14,247	13,859
29	14,307	15,735	16,124	16,147	15,893	15,559	15,245	14,904	14,561	14,227
30	15,548	15,043	15,698	16,088	16,113	15,861	15,528	15,217	14,877	14,534
31	12,244	14,218	15,003	15,657	16,046	16,073	15,824	15,491	15,183	14,845
32	14,185	13,446	14,178	14,963	15,618	16,006	16,034	15,788	15,457	15,150
33	12,131	12,805	13,410	14,141	14,925	15,581	15,969	15,998	15,752	15,425

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
34	11,072	12,391	12,769	13,375	14,105	14,888	15,544	15,932	15,963	15,717
35	12,274	12,121	12,348	12,724	13,331	14,061	14,842	15,498	15,886	15,919
36	11,503	11,896	12,067	12,297	12,672	13,279	14,008	14,787	15,444	15,832
37	11,576	11,605	11,846	12,017	12,247	12,622	13,229	13,958	14,734	15,390
38	11,022	11,202	11,554	11,796	11,969	12,199	12,574	13,180	13,909	14,684
39	9,174	10,634	11,153	11,507	11,748	11,923	12,153	12,528	13,133	13,862
40	10,825	9,955	10,586	11,103	11,457	11,698	11,875	12,105	12,480	13,084
41	7,636	9,240	9,907	10,535	11,052	11,406	11,647	11,825	12,054	12,430
42	8,669	8,598	9,194	9,860	10,487	11,002	11,356	11,598	11,778	12,005
43	7,492	8,090	8,555	9,150	9,815	10,441	10,955	11,307	11,549	11,731
44	6,873	7,766	8,052	8,515	9,107	9,771	10,395	10,909	11,261	11,502
45	8,281	7,584	7,724	8,010	8,472	9,062	9,724	10,346	10,859	11,210
46	6,678	7,452	7,540	7,680	7,966	8,426	9,015	9,674	10,294	10,807
47	6,842	7,298	7,409	7,497	7,637	7,923	8,381	8,969	9,624	10,243
48	7,211	7,113	7,255	7,368	7,456	7,596	7,881	8,337	8,925	9,577
49	6,521	6,870	7,072	7,213	7,327	7,416	7,556	7,840	8,294	8,880
50	7,224	6,580	6,822	7,024	7,165	7,278	7,368	7,508	7,791	8,244
51	5,572	6,296	6,525	6,765	6,967	7,109	7,222	7,312	7,453	7,733
52	6,111	6,050	6,242	6,472	6,710	6,911	7,055	7,167	7,256	7,398
53	5,288	5,809	6,001	6,191	6,421	6,658	6,856	7,001	7,114	7,203
54	5,122	5,571	5,760	5,952	6,141	6,370	6,607	6,805	6,949	7,063
55	5,320	5,331	5,518	5,706	5,898	6,086	6,314	6,549	6,747	6,890
56	5,039	5,090	5,275	5,461	5,648	5,840	6,026	6,254	6,486	6,683
57	4,690	4,859	5,036	5,220	5,404	5,590	5,782	5,966	6,194	6,425
58	4,742	4,680	4,807	4,984	5,168	5,351	5,535	5,726	5,910	6,135
59	4,107	4,550	4,631	4,757	4,932	5,115	5,298	5,481	5,670	5,854
60	5,275	4,453	4,495	4,576	4,702	4,875	5,057	5,239	5,420	5,609
61	4,135	4,383	4,392	4,434	4,515	4,642	4,812	4,992	5,173	5,352
62	4,217	4,304	4,324	4,334	4,375	4,455	4,582	4,751	4,930	5,109
63	3,768	4,160	4,246	4,266	4,277	4,318	4,397	4,524	4,691	4,868
64	3,316	3,933	4,103	4,189	4,209	4,221	4,263	4,341	4,467	4,634
65	3,696	3,634	3,869	4,036	4,122	4,143	4,154	4,198	4,274	4,398
66	2,980	3,315	3,563	3,795	3,960	4,044	4,067	4,076	4,123	4,198
67	2,972	3,034	3,251	3,494	3,722	3,886	3,968	3,993	4,000	4,048
68	2,664	2,807	2,975	3,189	3,429	3,652	3,815	3,895	3,922	3,928
69	2,342	2,651	2,751	2,918	3,128	3,364	3,583	3,745	3,823	3,851
70	2,841	2,534	2,579	2,675	2,838	3,044	3,275	3,488	3,648	3,725
71	2,043	2,436	2,443	2,488	2,581	2,740	2,940	3,164	3,369	3,526
72	2,386	2,344	2,348	2,356	2,400	2,491	2,645	2,839	3,057	3,255
73	2,117	2,238	2,260	2,264	2,274	2,316	2,404	2,554	2,742	2,954
74	2,081	2,097	2,158	2,180	2,184	2,195	2,236	2,321	2,467	2,649
75	1,972	1,923	2,008	2,067	2,089	2,092	2,105	2,145	2,228	2,367
76	1,647	1,749	1,828	1,910	1,967	1,988	1,991	2,005	2,043	2,124
77	1,460	1,601	1,663	1,738	1,817	1,873	1,893	1,896	1,910	1,947
78	1,544	1,474	1,522	1,582	1,654	1,730	1,784	1,802	1,806	1,820

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
79	1,248	1,371	1,402	1,448	1,504	1,574	1,648	1,701	1,717	1,722
80	1,534	1,254	1,274	1,303	1,347	1,399	1,464	1,534	1,584	1,599
81	968	1,151	1,136	1,156	1,182	1,223	1,271	1,330	1,395	1,440
82	1,007	1,077	1,043	1,030	1,050	1,074	1,111	1,155	1,209	1,270
83	929	994	977	946	935	952	975	1,010	1,050	1,099
84	959	898	901	886	858	849	865	885	918	955
85+	3,674	3,756	3,871	3,972	4,046	4,086	4,114	4,155	4,209	4,286
Total	727,145	734,374	741,672	748,931	756,129	763,249	770,276	777,224	784,043	790,718
Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0	11,661	11,538	11,403	11,286	11,121	10,941	10,818	10,721	10,611	10,491
1	11,685	11,616	11,495	11,362	11,248	11,086	10,907	10,786	10,690	10,582
2	11,735	11,648	11,580	11,461	11,331	11,219	11,059	10,881	10,763	10,668
3	11,785	11,711	11,626	11,560	11,441	11,311	11,201	11,042	10,864	10,747
4	11,798	11,766	11,693	11,608	11,544	11,427	11,297	11,188	11,030	10,852
5	11,837	11,785	11,753	11,680	11,595	11,531	11,415	11,286	11,177	11,021
6	11,868	11,825	11,773	11,743	11,671	11,586	11,522	11,407	11,279	11,169
7	11,890	11,857	11,815	11,763	11,733	11,662	11,577	11,513	11,399	11,272
8	11,881	11,878	11,846	11,805	11,753	11,723	11,653	11,568	11,505	11,391
9	11,830	11,869	11,868	11,836	11,795	11,744	11,714	11,644	11,559	11,497
10	10,443	11,822	11,860	11,859	11,829	11,787	11,737	11,708	11,638	11,552
11	11,027	10,438	11,816	11,855	11,853	11,824	11,782	11,732	11,703	11,634
12	11,446	11,021	10,433	11,810	11,850	11,848	11,819	11,777	11,728	11,698
13	11,727	11,440	11,016	10,428	11,805	11,845	11,843	11,814	11,772	11,724
14	11,921	11,722	11,434	11,011	10,423	11,799	11,840	11,838	11,809	11,767
15	12,071	11,913	11,715	11,427	11,004	10,418	11,793	11,834	11,832	11,804
16	12,226	12,062	11,905	11,707	11,419	10,996	10,411	11,785	11,827	11,824
17	12,425	12,216	12,052	11,896	11,699	11,411	10,988	10,405	11,777	11,821
18	12,695	12,415	12,206	12,043	11,887	11,691	11,404	10,980	10,398	11,769
19	13,023	12,685	12,405	12,197	12,034	11,879	11,683	11,397	10,974	10,391
20	13,375	13,009	12,673	12,393	12,186	12,023	11,868	11,672	11,386	10,965
21	13,652	13,357	12,991	12,655	12,376	12,170	12,009	11,855	11,659	11,374
22	13,810	13,633	13,338	12,975	12,639	12,361	12,155	11,995	11,842	11,646
23	13,776	13,790	13,615	13,320	12,959	12,624	12,346	12,141	11,981	11,829
24	13,631	13,757	13,772	13,597	13,304	12,944	12,609	12,331	12,128	11,969
25	13,418	13,612	13,739	13,755	13,579	13,288	12,930	12,595	12,317	12,114
26	13,271	13,401	13,595	13,722	13,740	13,562	13,273	12,917	12,582	12,304
27	13,272	13,253	13,384	13,578	13,705	13,724	13,546	13,258	12,903	12,569
28	13,481	13,255	13,236	13,367	13,561	13,689	13,709	13,532	13,245	12,890
29	13,840	13,463	13,237	13,220	13,351	13,545	13,672	13,694	13,517	13,232
30	14,202	13,817	13,442	13,217	13,200	13,332	13,527	13,653	13,677	13,500
31	14,505	14,173	13,790	13,416	13,195	13,177	13,310	13,504	13,631	13,656
32	14,815	14,476	14,146	13,765	13,391	13,173	13,155	13,289	13,482	13,609
33	15,118	14,785	14,448	14,120	13,740	13,367	13,151	13,133	13,268	13,462
34	15,393	15,088	14,756	14,421	14,095	13,717	13,344	13,130	13,112	13,247
35	15,674	15,353	15,051	14,719	14,386	14,062	13,687	13,316	13,103	13,086

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
36	15,866	15,623	15,303	15,005	14,675	14,344	14,023	13,650	13,282	13,070
37	15,780	15,816	15,575	15,256	14,961	14,634	14,303	13,984	13,613	13,248
38	15,338	15,728	15,766	15,528	15,210	14,917	14,594	14,265	13,947	13,578
39	14,636	15,289	15,678	15,717	15,482	15,166	14,874	14,554	14,228	13,912
40	13,811	14,584	15,237	15,626	15,666	15,433	15,120	14,829	14,511	14,187
41	13,033	13,758	14,530	15,182	15,572	15,612	15,381	15,071	14,782	14,465
42	12,381	12,985	13,707	14,478	15,127	15,518	15,559	15,329	15,022	14,736
43	11,959	12,332	12,936	13,657	14,428	15,076	15,466	15,509	15,280	14,976
44	11,686	11,914	12,287	12,889	13,609	14,378	15,026	15,415	15,459	15,232
45	11,451	11,637	11,864	12,237	12,837	13,556	14,323	14,970	15,360	15,403
46	11,156	11,396	11,583	11,810	12,183	12,780	13,497	14,263	14,907	15,297
47	10,755	11,103	11,344	11,531	11,756	12,131	12,726	13,439	14,204	14,847
48	10,192	10,705	11,052	11,292	11,481	11,704	12,079	12,672	13,384	14,147
49	9,532	10,143	10,655	11,002	11,241	11,431	11,654	12,030	12,619	13,329
50	8,826	9,476	10,084	10,594	10,941	11,179	11,368	11,591	11,968	12,555
51	8,185	8,764	9,410	10,015	10,523	10,869	11,107	11,296	11,518	11,893
52	7,677	8,127	8,703	9,345	9,947	10,454	10,798	11,036	11,225	11,447
53	7,345	7,622	8,070	8,644	9,282	9,881	10,386	10,729	10,966	11,156
54	7,151	7,294	7,570	8,015	8,586	9,220	9,818	10,320	10,661	10,897
55	7,005	7,093	7,235	7,511	7,953	8,521	9,150	9,745	10,246	10,585
56	6,827	6,941	7,028	7,170	7,445	7,884	8,448	9,072	9,663	10,162
57	6,619	6,764	6,879	6,965	7,107	7,381	7,817	8,377	8,996	9,583
58	6,366	6,558	6,703	6,819	6,903	7,045	7,317	7,751	8,308	8,922
59	6,078	6,307	6,498	6,643	6,760	6,842	6,985	7,255	7,686	8,239
60	5,791	6,014	6,241	6,430	6,574	6,692	6,774	6,916	7,184	7,613
61	5,539	5,720	5,942	6,167	6,355	6,498	6,615	6,697	6,839	7,104
62	5,287	5,472	5,652	5,872	6,095	6,282	6,424	6,541	6,622	6,763
63	5,047	5,223	5,406	5,585	5,804	6,024	6,211	6,351	6,468	6,549
64	4,808	4,987	5,161	5,342	5,520	5,738	5,955	6,141	6,281	6,397
65	4,564	4,736	4,914	5,086	5,265	5,440	5,657	5,872	6,056	6,196
66	4,320	4,483	4,653	4,829	4,998	5,177	5,349	5,562	5,774	5,956
67	4,124	4,244	4,405	4,571	4,746	4,912	5,089	5,261	5,470	5,679
68	3,975	4,051	4,169	4,330	4,493	4,665	4,830	5,003	5,174	5,381
69	3,858	3,905	3,980	4,096	4,255	4,418	4,586	4,750	4,921	5,089
70	3,753	3,761	3,806	3,882	3,996	4,150	4,310	4,475	4,636	4,805
71	3,600	3,628	3,638	3,681	3,756	3,867	4,017	4,173	4,333	4,491
72	3,408	3,481	3,509	3,519	3,561	3,635	3,744	3,890	4,042	4,197
73	3,146	3,294	3,367	3,394	3,406	3,447	3,520	3,626	3,768	3,915
74	2,856	3,042	3,185	3,258	3,284	3,297	3,336	3,408	3,512	3,651
75	2,543	2,744	2,923	3,061	3,131	3,157	3,171	3,209	3,279	3,380
76	2,256	2,425	2,617	2,789	2,922	2,990	3,015	3,030	3,067	3,133
77	2,025	2,151	2,313	2,497	2,663	2,790	2,856	2,881	2,895	2,933
78	1,857	1,931	2,053	2,207	2,383	2,543	2,666	2,728	2,754	2,767
79	1,735	1,770	1,842	1,960	2,107	2,276	2,429	2,547	2,607	2,633
80	1,604	1,619	1,650	1,718	1,829	1,967	2,125	2,270	2,380	2,437

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
81	1456	1,459	1,474	1,503	1,565	1,667	1,794	1,939	2,072	2,173	
82	1,309	1,326	1,329	1,342	1,369	1,426	1,520	1,635	1,770	1,891	
83	1157	1,190	1,207	1,211	1,224	1,248	1,300	1,387	1,491	1,616	
84	999	1,054	1,084	1,100	1,104	1,116	1,139	1,186	1,266	1,362	
85+	4,385	4,508	4,661	4,817	4,963	5,093	5,213	5,337	5,485	5,681	
Total	797,264	803,626	809,785	815,755	821,485	826,957	832,218	837,288	842,149	846,784	
Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
0	10,359	10,244	10,157	10,074	9,997	9,922	9,857	9,806	9,761	9,725	9,697
1	10,464	10,334	10,219	10,134	10,052	9,976	9,902	9,838	9,789	9,745	9,709
2	10,560	10,443	10,315	10,202	10,118	10,036	9,961	9,887	9,823	9,775	9,733
3	10,653	10,546	10,430	10,302	10,190	10,107	10,026	9,952	9,879	9,814	9,767
4	10,737	10,643	10,536	10,421	10,293	10,181	10,098	10,018	9,944	9,872	9,807
5	10,842	10,728	10,636	10,528	10,413	10,286	10,175	10,091	10,012	9,938	9,866
6	11,014	10,835	10,721	10,630	10,522	10,407	10,280	10,170	10,086	10,008	9,933
7	11,162	11,007	10,828	10,714	10,624	10,517	10,401	10,275	10,165	10,081	10,004
8	11,264	11,154	11,000	10,822	10,708	10,618	10,512	10,395	10,270	10,160	10,076
9	11,383	11,257	11,147	10,993	10,816	10,702	10,612	10,507	10,389	10,265	10,155
10	11,491	11,377	11,252	11,142	10,987	10,811	10,698	10,608	10,503	10,384	10,263
11	11,548	11,488	11,373	11,248	11,139	10,984	10,808	10,695	10,605	10,501	10,381
12	11,630	11,543	11,484	11,370	11,245	11,135	10,981	10,804	10,692	10,602	10,498
13	11,693	11,626	11,539	11,480	11,366	11,242	11,131	10,979	10,801	10,689	10,600
14	11,721	11,690	11,622	11,535	11,476	11,363	11,239	11,128	10,977	10,798	10,686
15	11,760	11,714	11,685	11,617	11,531	11,471	11,358	11,234	11,123	10,974	10,793
16	11,798	11,754	11,707	11,678	11,611	11,525	11,466	11,352	11,230	11,117	10,970
17	11,816	11,791	11,748	11,701	11,671	11,605	11,519	11,461	11,346	11,225	11,111
18	11,815	11,809	11,784	11,742	11,695	11,665	11,600	11,513	11,456	11,341	11,221
19	11,761	11,809	11,802	11,777	11,735	11,689	11,659	11,595	11,507	11,451	11,336
20	10,383	11,752	11,801	11,794	11,769	11,727	11,680	11,652	11,588	11,500	11,443
21	10,953	10,372	11,739	11,790	11,783	11,758	11,716	11,669	11,642	11,579	11,491
22	11,363	10,942	10,363	11,727	11,779	11,772	11,749	11,706	11,660	11,632	11,571
23	11,633	11,351	10,931	10,353	11,716	11,769	11,761	11,740	11,697	11,651	11,623
24	11,817	11,622	11,339	10,920	10,344	11,705	11,759	11,750	11,729	11,688	11,642
25	11,956	11,804	11,611	11,329	10,909	10,335	11,695	11,750	11,740	11,720	11,679
26	12,103	11,945	11,793	11,600	11,320	10,899	10,326	11,685	11,741	11,730	11,711
27	12,291	12,091	11,934	11,783	11,589	11,311	10,890	10,317	11,675	11,732	11,722
28	12,557	12,279	12,080	11,923	11,772	11,578	11,302	10,882	10,309	11,666	11,723
29	12,877	12,544	12,268	12,069	11,913	11,763	11,568	11,293	10,874	10,301	11,657
30	13,215	12,863	12,528	12,254	12,056	11,900	11,751	11,556	11,283	10,865	10,292
31	13,481	13,195	12,845	12,510	12,238	12,040	11,885	11,737	11,541	11,270	10,852
32	13,635	13,462	13,176	12,828	12,493	12,223	12,025	11,870	11,724	11,527	11,258
33	13,588	13,615	13,443	13,158	12,811	12,476	12,207	12,011	11,856	11,711	11,514
34	13,442	13,569	13,596	13,425	13,140	12,795	12,461	12,192	11,997	11,842	11,698
35	13,221	13,416	13,544	13,571	13,403	13,117	12,773	12,441	12,172	11,978	11,825
36	13,054	13,189	13,385	13,513	13,540	13,374	13,090	12,746	12,417	12,149	11,956
37	13,038	13,023	13,158	13,355	13,483	13,511	13,347	13,063	12,720	12,393	12,125

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
38	13,215	13,007	12,993	13,128	13,326	13,454	13,482	13,320	13,037	12,695	12,370
39	13,545	13,182	12,976	12,963	13,099	13,298	13,426	13,455	13,295	13,012	12,671
40	13,873	13,509	13,148	12,944	12,930	13,068	13,267	13,396	13,425	13,267	12,984
41	14,144	13,832	13,469	13,111	12,908	12,895	13,033	13,232	13,362	13,392	13,236
42	14,421	14,103	13,793	13,430	13,076	12,873	12,862	13,000	13,198	13,329	13,360
43	14,690	14,377	14,062	13,754	13,393	13,041	12,840	12,829	12,968	13,166	13,297
44	14,931	14,646	14,335	14,022	13,715	13,356	13,006	12,808	12,797	12,937	13,135
45	15,177	14,879	14,596	14,288	13,977	13,672	13,315	12,966	12,770	12,759	12,900
46	15,343	15,118	14,822	14,541	14,235	13,926	13,623	13,270	12,922	12,728	12,717
47	15,235	15,283	15,060	14,766	14,488	14,184	13,876	13,574	13,225	12,879	12,687
48	14,788	15,175	15,223	15,002	14,711	14,435	14,133	13,828	13,527	13,181	12,837
49	14,091	14,731	15,118	15,167	14,946	14,657	14,384	14,083	13,781	13,481	13,138
50	13,262	14,021	14,659	15,046	15,096	14,878	14,590	14,320	14,022	13,722	13,424
51	12,479	13,183	13,938	14,572	14,960	15,010	14,796	14,511	14,242	13,948	13,651
52	11,821	12,404	13,106	13,858	14,489	14,876	14,927	14,714	14,433	14,166	13,874
53	11,376	11,750	12,331	13,030	13,778	14,407	14,793	14,846	14,635	14,357	14,093
54	11,088	11,307	11,680	12,259	12,955	13,701	14,327	14,712	14,767	14,557	14,282
55	10,820	11,011	11,228	11,600	12,177	12,869	13,612	14,235	14,618	14,676	14,468
56	10,499	10,733	10,925	11,141	11,511	12,084	12,772	13,512	14,131	14,512	14,571
57	10,080	10,415	10,648	10,840	11,056	11,424	11,994	12,677	13,413	14,029	14,410
58	9,505	9,999	10,333	10,565	10,756	10,972	11,338	11,906	12,585	13,316	13,928
59	8,849	9,429	9,920	10,253	10,484	10,674	10,891	11,254	11,820	12,495	13,222
60	8,161	8,766	9,342	9,829	10,160	10,391	10,578	10,795	11,156	11,719	12,389
61	7,529	8,073	8,671	9,243	9,726	10,055	10,285	10,471	10,687	11,045	11,605
62	7,027	7,448	7,987	8,579	9,146	9,625	9,953	10,181	10,366	10,582	10,937
63	6,689	6,950	7,369	7,903	8,490	9,052	9,527	9,854	10,080	10,264	10,479
64	6,478	6,618	6,876	7,291	7,820	8,402	8,959	9,430	9,755	9,980	10,163
65	6,311	6,390	6,530	6,785	7,197	7,719	8,296	8,845	9,312	9,634	9,858
66	6,094	6,210	6,288	6,428	6,678	7,086	7,599	8,171	8,713	9,174	9,491
67	5,860	5,995	6,111	6,188	6,327	6,574	6,977	7,483	8,048	8,582	9,038
68	5,586	5,767	5,899	6,014	6,091	6,229	6,473	6,871	7,369	7,929	8,455
69	5,294	5,496	5,675	5,806	5,920	5,997	6,134	6,373	6,767	7,259	7,812
70	4,970	5,170	5,369	5,545	5,674	5,786	5,861	5,998	6,233	6,617	7,101
71	4,655	4,818	5,011	5,206	5,378	5,504	5,615	5,688	5,821	6,052	6,426
72	4,352	4,511	4,672	4,859	5,049	5,217	5,341	5,450	5,523	5,652	5,877
73	4,067	4,218	4,372	4,530	4,713	4,898	5,061	5,183	5,290	5,363	5,489
74	3,793	3,941	4,090	4,240	4,393	4,572	4,754	4,912	5,031	5,135	5,209
75	3,515	3,652	3,795	3,939	4,086	4,233	4,407	4,584	4,738	4,854	4,955
76	3,231	3,362	3,493	3,631	3,769	3,912	4,053	4,221	4,391	4,540	4,652
77	2,996	3,090	3,216	3,341	3,475	3,608	3,745	3,881	4,043	4,208	4,351
78	2,805	2,865	2,957	3,079	3,198	3,326	3,456	3,587	3,719	3,874	4,033
79	2,645	2,683	2,740	2,828	2,947	3,062	3,184	3,310	3,436	3,564	3,714
80	2,462	2,474	2,510	2,565	2,647	2,759	2,867	2,984	3,101	3,220	3,340
81	2226	2,249	2,261	2,293	2,344	2,421	2,524	2,622	2,731	2,838	2,949
82	1,984	2,033	2,055	2,068	2,097	2,143	2,214	2,309	2,399	2,500	2,599

Table A4 Projected Single Year Population (TOTAL), Bhutan, 2017 - 2047

Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
83	1728	1,813	1,858	1,878	1,890	1,918	1,960	2,026	2,113	2,196	2,289
84	1475	1,578	1,657	1,699	1,718	1,728	1,756	1,793	1,855	1,935	2,010
85+	5,933	6,246	6,600	6,969	7,320	7,634	7,909	8,169	8,424	8,697	9,002
Total	851,176	855,336	859,286	863,028	866,566	869,900	873,043	876,007	878,797	881,416	883,866

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
0	5,746	6,144	6,158	6,148	6,128	6,101	6,069	6,050	6,009	5,962
1	4,813	5,310	6,099	6,116	6,108	6,091	6,066	6,036	6,019	5,980
2	6,072	5,650	5,280	6,067	6,086	6,079	6,065	6,040	6,012	5,996
3	6,137	5,890	5,630	5,262	6,047	6,068	6,061	6,048	6,024	5,997
4	6,408	6,045	5,874	5,615	5,249	6,032	6,054	6,049	6,036	6,013
5	6,709	6,147	6,033	5,863	5,605	5,240	6,022	6,044	6,040	6,027
6	6,376	6,221	6,139	6,026	5,856	5,599	5,235	6,016	6,038	6,034
7	6,221	6,285	6,213	6,131	6,019	5,849	5,593	5,229	6,010	6,032
8	6,426	6,368	6,277	6,205	6,124	6,012	5,842	5,587	5,223	6,004
9	6,303	6,485	6,359	6,270	6,197	6,117	6,006	5,836	5,581	5,218
10	6,499	6,634	6,479	6,352	6,264	6,192	6,111	6,001	5,831	5,577
11	6,475	6,796	6,629	6,475	6,348	6,260	6,188	6,108	5,998	5,827
12	7,563	6,932	6,791	6,624	6,471	6,344	6,256	6,184	6,104	5,995
13	7,159	7,004	6,927	6,786	6,619	6,466	6,340	6,252	6,181	6,100
14	6,960	6,985	6,999	6,922	6,782	6,615	6,462	6,336	6,248	6,178
15	6,602	6,910	6,978	6,993	6,915	6,776	6,609	6,457	6,331	6,243
16	7,272	6,796	6,901	6,969	6,985	6,907	6,769	6,602	6,450	6,325
17	6,982	6,726	6,787	6,893	6,961	6,977	6,899	6,762	6,595	6,443
18	6,922	6,775	6,718	6,779	6,885	6,953	6,970	6,891	6,756	6,588
19	6,901	6,997	6,767	6,709	6,771	6,878	6,945	6,963	6,884	6,750
20	7,675	7,336	6,985	6,756	6,698	6,760	6,868	6,934	6,952	6,874
21	7,647	7,693	7,320	6,970	6,742	6,685	6,747	6,856	6,922	6,940
22	8,451	8,001	7,676	7,305	6,956	6,728	6,672	6,734	6,843	6,910
23	8,448	8,264	7,982	7,659	7,290	6,942	6,715	6,659	6,722	6,831
24	8,854	8,452	8,246	7,965	7,643	7,275	6,929	6,703	6,647	6,710
25	9,094	8,569	8,434	8,229	7,949	7,629	7,260	6,916	6,691	6,635
26	8,656	8,682	8,551	8,416	8,212	7,933	7,616	7,247	6,904	6,680
27	8,764	8,760	8,663	8,534	8,399	8,197	7,918	7,602	7,235	6,892
28	8,767	8,700	8,741	8,645	8,518	8,383	8,182	7,904	7,588	7,224
29	7,521	8,464	8,682	8,723	8,628	8,501	8,367	8,168	7,890	7,575
30	8,583	8,095	8,441	8,659	8,701	8,607	8,481	8,348	8,151	7,873
31	6,564	7,655	8,069	8,415	8,632	8,676	8,583	8,457	8,325	8,130
32	7,833	7,237	7,629	8,043	8,390	8,606	8,651	8,560	8,435	8,303
33	6,267	6,887	7,214	7,605	8,018	8,366	8,582	8,627	8,537	8,414
34	5,812	6,655	6,864	7,191	7,582	7,994	8,342	8,558	8,604	8,514
35	6,917	6,497	6,627	6,836	7,163	7,554	7,965	8,313	8,528	8,576
36	6,040	6,362	6,463	6,594	6,803	7,130	7,520	7,930	8,279	8,493
37	6,092	6,196	6,330	6,432	6,562	6,771	7,098	7,488	7,896	8,245

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
38	5,871	5,974	6,164	6,298	6,402	6,532	6,741	7,067	7,457	7,864
39	4,769	5,674	5,943	6,134	6,267	6,373	6,502	6,712	7,037	7,427
40	5,927	5,321	5,645	5,913	6,104	6,236	6,344	6,472	6,683	7,007
41	4,044	4,952	5,292	5,615	5,883	6,074	6,206	6,315	6,442	6,653
42	4,764	4,617	4,925	5,264	5,587	5,854	6,045	6,177	6,287	6,414
43	3,936	4,348	4,592	4,899	5,237	5,560	5,826	6,016	6,148	6,259
44	3,603	4,170	4,325	4,568	4,874	5,211	5,533	5,799	5,989	6,120
45	4,559	4,058	4,145	4,300	4,542	4,847	5,183	5,504	5,769	5,959
46	3,530	3,973	4,031	4,118	4,273	4,514	4,818	5,153	5,473	5,737
47	3,580	3,877	3,947	4,005	4,092	4,247	4,487	4,790	5,123	5,442
48	3,851	3,769	3,851	3,922	3,980	4,067	4,222	4,460	4,763	5,095
49	3,345	3,634	3,744	3,826	3,897	3,955	4,042	4,197	4,434	4,736
50	3,825	3,480	3,606	3,716	3,798	3,869	3,927	4,014	4,168	4,404
51	2,942	3,328	3,449	3,573	3,684	3,766	3,837	3,895	3,982	4,135
52	3,300	3,195	3,297	3,419	3,541	3,652	3,735	3,805	3,863	3,950
53	2,750	3,062	3,167	3,268	3,390	3,511	3,621	3,704	3,775	3,832
54	2,639	2,930	3,034	3,139	3,240	3,361	3,482	3,592	3,674	3,746
55	2,772	2,795	2,902	3,005	3,110	3,211	3,331	3,451	3,561	3,642
56	2,583	2,661	2,767	2,874	2,976	3,081	3,181	3,301	3,419	3,530
57	2,444	2,531	2,635	2,740	2,846	2,947	3,052	3,151	3,271	3,388
58	2,432	2,427	2,505	2,609	2,714	2,820	2,919	3,024	3,123	3,241
59	2,148	2,346	2,403	2,481	2,583	2,687	2,794	2,892	2,996	3,095
60	2,636	2,281	2,316	2,373	2,451	2,552	2,655	2,761	2,858	2,962
61	2,097	2,227	2,246	2,280	2,337	2,415	2,514	2,616	2,721	2,817
62	2,126	2,175	2,192	2,212	2,245	2,302	2,379	2,478	2,579	2,682
63	1,942	2,096	2,142	2,158	2,179	2,211	2,268	2,344	2,442	2,542
64	1,697	1,985	2,063	2,109	2,125	2,146	2,179	2,235	2,310	2,408
65	1,901	1,845	1,950	2,027	2,072	2,089	2,109	2,143	2,198	2,271
66	1,598	1,699	1,808	1,911	1,988	2,032	2,049	2,068	2,103	2,158
67	1,536	1,568	1,665	1,772	1,873	1,949	1,993	2,010	2,028	2,063
68	1,377	1,459	1,537	1,632	1,738	1,837	1,912	1,955	1,973	1,990
69	1,173	1,380	1,429	1,507	1,600	1,704	1,801	1,876	1,918	1,936
70	1,505	1,312	1,341	1,388	1,464	1,555	1,657	1,751	1,825	1,866
71	1,056	1,255	1,263	1,291	1,337	1,411	1,499	1,598	1,688	1,761
72	1,173	1,202	1,207	1,216	1,243	1,288	1,360	1,445	1,541	1,628
73	1,050	1,143	1,157	1,162	1,171	1,198	1,241	1,311	1,393	1,486
74	1,092	1,069	1,100	1,114	1,119	1,128	1,154	1,196	1,264	1,343
75	976	975	1,020	1,050	1,064	1,068	1,078	1,103	1,144	1,209
76	811	884	922	965	994	1,007	1,011	1,021	1,045	1,085
77	754	806	836	872	913	942	954	958	967	990
78	761	738	762	791	825	864	892	903	908	917
79	663	684	698	721	748	781	819	846	856	861
80	755	619	631	644	666	691	721	757	782	792
81	472	564	555	567	579	599	622	649	682	704
82	474	524	507	498	510	521	539	560	585	615

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
83	483	481	470	456	448	458	469	485	504	527
84	467	435	432	422	409	403	412	422	437	454
85+	1,733	1,776	1,829	1,871	1,899	1,912	1,919	1,934	1,956	1,989
All Ages	380,453	383,909	387,402	390,877	394,323	397,731	401,092	404,411	407,663	410,840

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0	5,926	5,864	5,796	5,736	5,653	5,561	5,499	5,450	5,394	5,333
1	5,934	5,900	5,839	5,772	5,714	5,633	5,541	5,480	5,432	5,377
2	5,959	5,914	5,880	5,821	5,755	5,698	5,618	5,527	5,467	5,420
3	5,981	5,945	5,901	5,868	5,809	5,743	5,688	5,608	5,517	5,457
4	5,986	5,970	5,935	5,891	5,859	5,801	5,734	5,680	5,601	5,510
5	6,005	5,979	5,963	5,928	5,884	5,852	5,795	5,728	5,674	5,596
6	6,021	5,999	5,973	5,958	5,923	5,879	5,847	5,791	5,724	5,670
7	6,028	6,016	5,994	5,968	5,953	5,919	5,875	5,842	5,787	5,720
8	6,027	6,022	6,011	5,989	5,963	5,948	5,914	5,871	5,838	5,783
9	5,998	6,021	6,017	6,006	5,984	5,958	5,944	5,909	5,866	5,834
10	5,214	5,994	6,016	6,013	6,003	5,980	5,954	5,941	5,906	5,862
11	5,574	5,211	5,991	6,013	6,010	6,001	5,977	5,951	5,938	5,904
12	5,824	5,571	5,208	5,988	6,010	6,007	5,999	5,974	5,949	5,935
13	5,991	5,821	5,569	5,205	5,985	6,007	6,004	5,997	5,971	5,947
14	6,097	5,988	5,817	5,566	5,202	5,982	6,004	6,001	5,994	5,968
15	6,173	6,092	5,984	5,813	5,562	5,199	5,978	6,000	5,998	5,991
16	6,237	6,168	6,087	5,979	5,808	5,557	5,195	5,973	5,995	5,993
17	6,319	6,231	6,162	6,082	5,974	5,803	5,552	5,191	5,968	5,991
18	6,437	6,313	6,225	6,156	6,077	5,969	5,799	5,547	5,187	5,963
19	6,582	6,431	6,307	6,219	6,150	6,072	5,964	5,795	5,543	5,183
20	6,740	6,573	6,423	6,300	6,212	6,143	6,065	5,957	5,788	5,537
21	6,863	6,729	6,562	6,412	6,290	6,202	6,134	6,057	5,949	5,780
22	6,928	6,852	6,718	6,552	6,402	6,281	6,193	6,125	6,049	5,941
23	6,898	6,916	6,841	6,707	6,542	6,392	6,271	6,184	6,116	6,041
24	6,819	6,886	6,905	6,830	6,697	6,533	6,383	6,262	6,176	6,108
25	6,699	6,808	6,875	6,895	6,819	6,687	6,524	6,374	6,253	6,167
26	6,624	6,689	6,798	6,865	6,886	6,809	6,678	6,516	6,366	6,245
27	6,669	6,613	6,679	6,787	6,855	6,876	6,799	6,669	6,507	6,358
28	6,881	6,659	6,603	6,669	6,777	6,846	6,867	6,790	6,661	6,499
29	7,212	6,870	6,648	6,594	6,659	6,767	6,836	6,858	6,781	6,653
30	7,559	7,197	6,857	6,635	6,582	6,647	6,756	6,824	6,847	6,770
31	7,854	7,541	7,180	6,841	6,621	6,568	6,633	6,742	6,810	6,834
32	8,110	7,835	7,523	7,164	6,825	6,607	6,554	6,620	6,729	6,796
33	8,282	8,090	7,817	7,506	7,148	6,810	6,593	6,540	6,606	6,716
34	8,393	8,262	8,070	7,799	7,490	7,133	6,796	6,580	6,527	6,593
35	8,486	8,367	8,238	8,046	7,776	7,469	7,114	6,778	6,563	6,511
36	8,542	8,453	8,335	8,208	8,018	7,749	7,444	7,091	6,757	6,543
37	8,460	8,510	8,422	8,305	8,179	7,991	7,722	7,419	7,068	6,735
38	8,212	8,427	8,478	8,391	8,275	8,150	7,965	7,697	7,395	7,046

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
39	7,833	8,181	8,395	8,447	8,361	8,247	8,122	7,939	7,673	7,373
40	7,396	7,801	8,149	8,363	8,416	8,330	8,218	8,094	7,912	7,647
41	6,977	7,365	7,769	8,116	8,331	8,384	8,299	8,188	8,065	7,884
42	6,624	6,948	7,335	7,739	8,083	8,299	8,353	8,268	8,159	8,037
43	6,387	6,595	6,919	7,305	7,710	8,053	8,268	8,323	8,238	8,131
44	6,232	6,361	6,568	6,891	7,276	7,680	8,023	8,237	8,293	8,209
45	6,090	6,202	6,331	6,538	6,860	7,244	7,647	7,990	8,204	8,259
46	5,926	6,057	6,170	6,298	6,505	6,826	7,208	7,610	7,951	8,166
47	5,706	5,894	6,025	6,139	6,265	6,473	6,793	7,173	7,575	7,914
48	5,411	5,676	5,863	5,993	6,109	6,233	6,441	6,760	7,139	7,540
49	5,068	5,381	5,646	5,833	5,962	6,079	6,203	6,411	6,727	7,105
50	4,704	5,035	5,346	5,610	5,797	5,926	6,042	6,166	6,375	6,689
51	4,370	4,668	4,997	5,306	5,569	5,755	5,884	6,000	6,123	6,332
52	4,102	4,337	4,633	4,960	5,267	5,529	5,714	5,843	5,959	6,081
53	3,920	4,070	4,304	4,599	4,923	5,229	5,490	5,674	5,802	5,919
54	3,802	3,890	4,040	4,272	4,566	4,887	5,192	5,452	5,635	5,762
55	3,715	3,771	3,858	4,008	4,239	4,531	4,850	5,152	5,412	5,594
56	3,610	3,683	3,738	3,825	3,974	4,204	4,493	4,810	5,110	5,369
57	3,498	3,578	3,652	3,706	3,792	3,941	4,170	4,457	4,771	5,069
58	3,358	3,467	3,547	3,621	3,675	3,760	3,908	4,136	4,421	4,732
59	3,213	3,329	3,436	3,517	3,591	3,644	3,729	3,876	4,103	4,386
60	3,059	3,177	3,292	3,397	3,478	3,552	3,605	3,689	3,835	4,061
61	2,920	3,016	3,134	3,247	3,351	3,432	3,505	3,558	3,641	3,785
62	2,777	2,879	2,974	3,092	3,203	3,306	3,387	3,459	3,512	3,594
63	2,645	2,738	2,839	2,933	3,051	3,160	3,262	3,343	3,414	3,467
64	2,506	2,609	2,701	2,800	2,893	3,011	3,118	3,219	3,300	3,370
65	2,368	2,465	2,567	2,659	2,756	2,847	2,965	3,070	3,170	3,251
66	2,230	2,325	2,420	2,520	2,611	2,708	2,797	2,913	3,016	3,115
67	2,118	2,189	2,283	2,376	2,475	2,564	2,660	2,749	2,863	2,964
68	2,025	2,079	2,149	2,242	2,334	2,431	2,519	2,613	2,701	2,814
69	1,953	1,988	2,041	2,110	2,201	2,293	2,388	2,475	2,568	2,654
70	1,884	1,901	1,935	1,988	2,056	2,144	2,234	2,327	2,412	2,504
71	1,800	1,818	1,835	1,868	1,920	1,986	2,071	2,159	2,249	2,332
72	1,699	1,737	1,755	1,772	1,803	1,854	1,919	2,001	2,087	2,174
73	1,570	1,639	1,677	1,694	1,712	1,742	1,792	1,855	1,934	2,017
74	1,434	1,515	1,581	1,619	1,636	1,654	1,682	1,731	1,793	1,870
75	1,285	1,373	1,451	1,514	1,550	1,567	1,585	1,612	1,660	1,719
76	1,146	1,219	1,302	1,377	1,437	1,472	1,489	1,507	1,532	1,578
77	1,029	1,087	1,157	1,236	1,308	1,365	1,398	1,415	1,432	1,457
78	939	976	1,032	1,098	1,173	1,242	1,297	1,328	1,345	1,361
79	870	890	926	980	1,043	1,114	1,180	1,232	1,262	1,279
80	796	806	824	857	908	967	1,033	1,095	1,143	1,171
81	715	718	727	744	773	820	873	934	990	1,034
82	634	645	648	656	672	698	741	788	845	895

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
83	555	571	582	585	593	607	631	670	712	764	
84	474	501	515	526	528	536	549	570	606	645	
85+	2,033	2,087	2,156	2,226	2,295	2,356	2,414	2,476	2,546	2,636	
All Ages	413,950	416,964	419,871	422,679	425,362	427,911	430,349	432,686	434,912	437,019	
Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
0	5,266	5,208	5,164	5,122	5,083	5,045	5,012	4,986	4,964	4,945	4931
1	5,317	5,251	5,193	5,150	5,109	5,070	5,033	5,001	4,975	4,954	4935
2	5,365	5,305	5,240	5,183	5,140	5,100	5,061	5,024	4,992	4,967	4947
3	5,411	5,357	5,297	5,232	5,176	5,133	5,094	5,055	5,019	4,986	4962
4	5,451	5,404	5,351	5,292	5,226	5,171	5,127	5,089	5,050	5,015	4981
5	5,504	5,446	5,400	5,346	5,288	5,221	5,167	5,123	5,086	5,046	5012
6	5,593	5,501	5,442	5,397	5,343	5,285	5,218	5,164	5,120	5,084	5043
7	5,666	5,589	5,497	5,438	5,393	5,340	5,282	5,215	5,161	5,117	5082
8	5,716	5,662	5,586	5,494	5,435	5,390	5,337	5,279	5,212	5,158	5114
9	5,779	5,712	5,658	5,582	5,491	5,432	5,387	5,334	5,276	5,210	5155
10	5,830	5,776	5,709	5,655	5,579	5,488	5,430	5,385	5,332	5,273	5209
11	5,860	5,828	5,774	5,707	5,653	5,577	5,486	5,428	5,383	5,331	5271
12	5,902	5,857	5,826	5,772	5,705	5,651	5,575	5,484	5,426	5,381	5329
13	5,932	5,900	5,854	5,824	5,770	5,703	5,649	5,574	5,482	5,424	5380
14	5,945	5,930	5,898	5,852	5,821	5,768	5,701	5,647	5,573	5,480	5422
15	5,964	5,941	5,927	5,894	5,850	5,818	5,765	5,698	5,644	5,571	5477
16	5,987	5,960	5,936	5,923	5,890	5,846	5,814	5,761	5,695	5,640	5568
17	5,988	5,982	5,956	5,932	5,918	5,886	5,842	5,810	5,757	5,692	5636
18	5,987	5,984	5,978	5,952	5,928	5,914	5,883	5,838	5,807	5,753	5689
19	5,958	5,983	5,979	5,973	5,948	5,924	5,910	5,880	5,834	5,804	5750
20	5,178	5,952	5,978	5,974	5,967	5,943	5,918	5,905	5,875	5,829	5799
21	5,529	5,171	5,944	5,971	5,967	5,960	5,936	5,911	5,898	5,869	5823
22	5,773	5,522	5,165	5,936	5,964	5,960	5,954	5,929	5,905	5,891	5863
23	5,933	5,765	5,515	5,159	5,929	5,957	5,953	5,948	5,923	5,899	5885
24	6,033	5,926	5,757	5,508	5,153	5,922	5,950	5,946	5,941	5,917	5893
25	6,100	6,025	5,919	5,750	5,501	5,147	5,916	5,944	5,939	5,935	5911
26	6,160	6,093	6,018	5,912	5,744	5,495	5,141	5,910	5,938	5,933	5929
27	6,237	6,153	6,086	6,012	5,905	5,738	5,489	5,135	5,904	5,932	5928
28	6,350	6,229	6,146	6,079	6,005	5,898	5,732	5,484	5,130	5,898	5926
29	6,491	6,342	6,222	6,139	6,073	5,999	5,892	5,726	5,479	5,125	5892
30	6,642	6,482	6,332	6,213	6,130	6,064	5,991	5,884	5,719	5,473	5119
31	6,758	6,629	6,470	6,320	6,203	6,120	6,054	5,982	5,874	5,710	5465
32	6,821	6,746	6,617	6,459	6,309	6,193	6,110	6,044	5,973	5,865	5702
33	6,783	6,808	6,734	6,606	6,448	6,298	6,183	6,101	6,035	5,964	5856
34	6,703	6,771	6,796	6,722	6,594	6,438	6,288	6,173	6,092	6,026	5955
35	6,577	6,687	6,755	6,780	6,708	6,579	6,424	6,275	6,160	6,080	6015
36	6,491	6,557	6,668	6,736	6,761	6,690	6,562	6,407	6,260	6,145	6066
37	6,524	6,472	6,538	6,650	6,717	6,743	6,673	6,545	6,390	6,245	6130
38	6,714	6,505	6,453	6,519	6,632	6,699	6,725	6,656	6,529	6,374	6230

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
39	7,025	6,693	6,486	6,434	6,501	6,614	6,681	6,708	6,640	6,513	6359
40	7,349	7,003	6,673	6,467	6,415	6,483	6,596	6,663	6,690	6,623	6496
41	7,621	7,325	6,979	6,652	6,446	6,395	6,463	6,576	6,644	6,671	6605
42	7,857	7,596	7,302	6,956	6,632	6,426	6,376	6,444	6,556	6,625	6652
43	8,009	7,830	7,571	7,279	6,934	6,612	6,407	6,357	6,426	6,538	6607
44	8,104	7,982	7,804	7,546	7,256	6,912	6,592	6,389	6,338	6,408	6520
45	8,175	8,072	7,951	7,775	7,518	7,230	6,887	6,568	6,367	6,316	6387
46	8,222	8,139	8,037	7,917	7,742	7,486	7,200	6,860	6,542	6,342	6291
47	8,128	8,185	8,103	8,002	7,883	7,710	7,455	7,170	6,833	6,517	6318
48	7,878	8,091	8,148	8,067	7,968	7,850	7,678	7,425	7,141	6,806	6492
49	7,506	7,843	8,056	8,113	8,033	7,934	7,818	7,647	7,396	7,113	6780
50	7,065	7,464	7,800	8,013	8,070	7,992	7,893	7,778	7,609	7,360	7079
51	6,644	7,019	7,415	7,749	7,962	8,019	7,943	7,846	7,731	7,564	7317
52	6,290	6,600	6,974	7,368	7,700	7,912	7,970	7,894	7,799	7,685	7519
53	6,040	6,248	6,557	6,929	7,321	7,652	7,863	7,922	7,847	7,753	7641
54	5,879	6,000	6,207	6,515	6,885	7,275	7,605	7,815	7,875	7,801	7708
55	5,720	5,837	5,957	6,163	6,470	6,838	7,225	7,554	7,763	7,824	7751
56	5,550	5,675	5,792	5,912	6,116	6,421	6,788	7,172	7,499	7,707	7768
57	5,327	5,507	5,631	5,748	5,868	6,071	6,373	6,739	7,120	7,445	7653
58	5,029	5,285	5,465	5,588	5,704	5,824	6,026	6,326	6,690	7,069	7391
59	4,694	4,990	5,244	5,423	5,546	5,661	5,782	5,982	6,281	6,642	7020
60	4,341	4,646	4,940	5,192	5,369	5,492	5,605	5,726	5,925	6,222	6579
61	4,009	4,286	4,587	4,878	5,128	5,304	5,426	5,538	5,658	5,855	6150
62	3,737	3,959	4,233	4,530	4,818	5,065	5,240	5,361	5,472	5,592	5787
63	3,548	3,689	3,909	4,181	4,474	4,759	5,004	5,178	5,297	5,408	5527
64	3,423	3,504	3,643	3,860	4,130	4,420	4,701	4,944	5,117	5,234	5345
65	3,320	3,372	3,453	3,590	3,805	4,070	4,358	4,634	4,875	5,046	5162
66	3,195	3,264	3,315	3,396	3,530	3,743	4,003	4,288	4,560	4,798	4966
67	3,062	3,140	3,209	3,259	3,339	3,472	3,682	3,938	4,219	4,487	4722
68	2,913	3,011	3,087	3,155	3,205	3,284	3,415	3,622	3,874	4,152	4415
69	2,766	2,863	2,960	3,036	3,103	3,152	3,231	3,359	3,563	3,812	4087
70	2,588	2,697	2,793	2,887	2,962	3,028	3,075	3,154	3,280	3,478	3723
71	2,421	2,504	2,608	2,703	2,794	2,867	2,932	2,978	3,054	3,178	3369
72	2,255	2,341	2,423	2,523	2,616	2,704	2,776	2,839	2,885	2,958	3079
73	2,102	2,181	2,264	2,344	2,441	2,532	2,617	2,688	2,749	2,795	2866
74	1,950	2,032	2,110	2,191	2,268	2,363	2,452	2,534	2,603	2,662	2708
75	1,794	1,871	1,950	2,025	2,104	2,177	2,269	2,355	2,435	2,502	2559
76	1,634	1,707	1,780	1,855	1,927	2,004	2,073	2,162	2,244	2,321	2385
77	1,501	1,554	1,624	1,694	1,766	1,835	1,909	1,974	2,060	2,139	2213
78	1,386	1,428	1,479	1,546	1,613	1,681	1,748	1,819	1,881	1,963	2039
79	1,294	1,318	1,358	1,407	1,472	1,536	1,600	1,665	1,733	1,793	1871
80	1,187	1,202	1,225	1,262	1,307	1,368	1,428	1,489	1,549	1,612	1669
81	1,060	1,074	1,088	1,109	1,143	1,185	1,240	1,294	1,351	1,405	1463
82	935	959	972	986	1,005	1,035	1,074	1,124	1,173	1,226	1275
83	810	846	868	880	892	911	938	974	1,019	1,064	1112

Table A5 Projected Single Year Population (MALE), Bhutan, 2017 - 2047

Age	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
84	691	733	766	786	798	808	826	850	883	924	965
85+	2,747	2,881	3,029	3,182	3,329	3,463	3,585	3,704	3,827	3,960	4109
All Ages	438,999	440,857	442,603	444,238	445,764	447,180	448,492	449,706	450,825	451,849	452,779

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
0	5,371	5,952	5,967	5,957	5,935	5,908	5,876	5,857	5,817	5,771
1	4,662	5,317	5,920	5,935	5,928	5,907	5,882	5,852	5,834	5,795
2	5,953	5,526	5,289	5,892	5,908	5,904	5,884	5,860	5,831	5,815
3	6,042	5,683	5,510	5,275	5,877	5,893	5,891	5,871	5,848	5,820
4	6,270	5,791	5,671	5,498	5,265	5,866	5,882	5,881	5,861	5,839
5	6,440	5,873	5,780	5,661	5,489	5,257	5,857	5,874	5,874	5,853
6	6,019	5,948	5,865	5,772	5,653	5,481	5,251	5,850	5,867	5,868
7	5,993	6,034	5,938	5,857	5,764	5,646	5,474	5,245	5,844	5,860
8	6,270	6,147	6,025	5,929	5,849	5,757	5,639	5,467	5,239	5,838
9	6,234	6,298	6,138	6,016	5,921	5,841	5,750	5,632	5,460	5,234
10	6,166	6,481	6,291	6,132	6,010	5,915	5,835	5,745	5,628	5,455
11	6,527	6,676	6,476	6,287	6,128	6,007	5,912	5,832	5,742	5,625
12	7,507	6,840	6,672	6,471	6,283	6,124	6,003	5,908	5,829	5,739
13	7,201	6,937	6,835	6,668	6,467	6,279	6,121	6,000	5,904	5,826
14	6,895	6,940	6,932	6,830	6,664	6,463	6,275	6,118	5,997	5,902
15	6,769	6,876	6,934	6,927	6,825	6,660	6,459	6,271	6,114	5,993
16	7,143	6,789	6,870	6,928	6,921	6,819	6,655	6,454	6,267	6,110
17	6,916	6,718	6,782	6,864	6,922	6,915	6,813	6,650	6,449	6,262
18	6,556	6,676	6,712	6,775	6,858	6,916	6,910	6,808	6,646	6,445
19	6,223	6,678	6,670	6,706	6,769	6,853	6,911	6,905	6,803	6,641
20	6,633	6,710	6,670	6,662	6,698	6,761	6,845	6,904	6,898	6,797
21	6,692	6,726	6,699	6,660	6,653	6,689	6,752	6,836	6,895	6,890
22	6,800	6,734	6,715	6,689	6,650	6,644	6,680	6,743	6,828	6,886
23	7,110	6,795	6,723	6,704	6,678	6,640	6,635	6,671	6,734	6,820
24	7,105	6,928	6,784	6,713	6,694	6,668	6,631	6,626	6,663	6,726
25	7,292	7,098	6,917	6,773	6,704	6,685	6,659	6,623	6,617	6,655
26	7,452	7,297	7,087	6,907	6,763	6,695	6,676	6,651	6,616	6,610
27	7,654	7,446	7,286	7,077	6,897	6,754	6,687	6,667	6,643	6,608
28	7,294	7,454	7,435	7,275	7,067	6,887	6,745	6,679	6,659	6,635
29	6,786	7,271	7,442	7,424	7,265	7,058	6,878	6,736	6,671	6,652
30	6,965	6,948	7,257	7,429	7,412	7,254	7,047	6,869	6,726	6,661
31	5,680	6,563	6,934	7,242	7,414	7,397	7,241	7,034	6,858	6,715
32	6,352	6,209	6,549	6,920	7,228	7,400	7,383	7,228	7,022	6,847
33	5,864	5,918	6,196	6,536	6,907	7,215	7,387	7,371	7,215	7,011
34	5,260	5,736	5,905	6,184	6,523	6,894	7,202	7,374	7,359	7,203
35	5,357	5,624	5,721	5,888	6,168	6,507	6,877	7,185	7,358	7,343
36	5,463	5,534	5,604	5,703	5,869	6,149	6,488	6,857	7,165	7,339

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
37	5,484	5,409	5,516	5,585	5,685	5,851	6,131	6,470	6,838	7,145
38	5,151	5,228	5,390	5,498	5,567	5,667	5,833	6,113	6,452	6,820
39	4,405	4,960	5,210	5,373	5,481	5,550	5,651	5,816	6,096	6,435
40	4,898	4,634	4,941	5,190	5,353	5,462	5,531	5,633	5,797	6,077
41	3,592	4,288	4,615	4,920	5,169	5,332	5,441	5,510	5,612	5,777
42	3,905	3,981	4,269	4,596	4,900	5,148	5,311	5,421	5,491	5,591
43	3,556	3,742	3,963	4,251	4,578	4,881	5,129	5,291	5,401	5,472
44	3,270	3,596	3,727	3,947	4,233	4,560	4,862	5,110	5,272	5,382
45	3,722	3,526	3,579	3,710	3,930	4,215	4,541	4,842	5,090	5,251
46	3,148	3,479	3,509	3,562	3,693	3,912	4,197	4,521	4,821	5,070
47	3,262	3,421	3,462	3,492	3,545	3,676	3,894	4,179	4,501	4,801
48	3,360	3,344	3,404	3,446	3,476	3,529	3,659	3,877	4,162	4,482
49	3,176	3,236	3,328	3,387	3,430	3,461	3,514	3,643	3,860	4,144
50	3,399	3,100	3,216	3,308	3,367	3,409	3,441	3,494	3,623	3,840
51	2,630	2,968	3,076	3,192	3,283	3,343	3,385	3,417	3,471	3,598
52	2,811	2,855	2,945	3,053	3,169	3,259	3,320	3,362	3,393	3,448
53	2,538	2,747	2,834	2,923	3,031	3,147	3,235	3,297	3,339	3,371
54	2,483	2,641	2,726	2,813	2,901	3,009	3,125	3,213	3,275	3,317
55	2,548	2,536	2,616	2,701	2,788	2,875	2,983	3,098	3,186	3,248
56	2,456	2,429	2,508	2,587	2,672	2,759	2,845	2,953	3,067	3,153
57	2,246	2,328	2,401	2,480	2,558	2,643	2,730	2,815	2,923	3,037
58	2,310	2,253	2,302	2,375	2,454	2,531	2,616	2,702	2,787	2,894
59	1,959	2,204	2,228	2,276	2,349	2,428	2,504	2,589	2,674	2,759
60	2,639	2,172	2,179	2,203	2,251	2,323	2,402	2,478	2,562	2,647
61	2,038	2,156	2,146	2,154	2,178	2,227	2,298	2,376	2,452	2,535
62	2,091	2,129	2,132	2,122	2,130	2,153	2,203	2,273	2,351	2,427
63	1,826	2,064	2,104	2,108	2,098	2,107	2,129	2,180	2,249	2,326
64	1,619	1,948	2,040	2,080	2,084	2,075	2,084	2,106	2,157	2,226
65	1,795	1,789	1,919	2,009	2,050	2,054	2,045	2,055	2,076	2,127
66	1,382	1,616	1,755	1,884	1,972	2,012	2,018	2,008	2,020	2,040
67	1,436	1,466	1,586	1,722	1,849	1,937	1,975	1,983	1,972	1,985
68	1,287	1,348	1,438	1,557	1,691	1,815	1,903	1,940	1,949	1,938
69	1,169	1,271	1,322	1,411	1,528	1,660	1,782	1,869	1,905	1,915
70	1,336	1,222	1,238	1,287	1,374	1,489	1,618	1,737	1,823	1,859
71	987	1,181	1,180	1,197	1,244	1,329	1,441	1,566	1,681	1,765
72	1,213	1,142	1,141	1,140	1,157	1,203	1,285	1,394	1,516	1,627
73	1,067	1,095	1,103	1,102	1,103	1,118	1,163	1,243	1,349	1,468
74	989	1,028	1,058	1,066	1,065	1,067	1,082	1,125	1,203	1,306
75	996	948	988	1,017	1,025	1,024	1,027	1,042	1,084	1,158
76	836	865	906	945	973	981	980	984	998	1,039
77	706	795	827	866	904	931	939	938	943	957
78	783	736	760	791	829	866	892	899	898	903
79	585	687	704	727	756	793	829	855	861	861
80	779	635	643	659	681	708	743	777	802	807
81	496	587	581	589	603	624	649	681	713	736

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
82	533	553	536	532	540	553	572	595	624	655
83	446	513	507	490	487	494	506	525	546	572
84	492	463	469	464	449	446	453	463	481	501
85+	1,941	1,980	2,042	2,101	2,147	2,174	2,195	2,221	2,253	2,297
All Ages	346,692	350,465	354,270	358,054	361,806	365,518	369,184	372,813	376,380	379,878

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0	5,735	5,674	5,607	5,550	5,468	5,380	5,319	5,271	5,217	5,158
1	5,751	5,716	5,656	5,590	5,534	5,453	5,366	5,306	5,258	5,205
2	5,776	5,734	5,700	5,640	5,576	5,521	5,441	5,354	5,296	5,248
3	5,804	5,766	5,725	5,692	5,632	5,568	5,513	5,434	5,347	5,290
4	5,812	5,796	5,758	5,717	5,685	5,626	5,563	5,508	5,429	5,342
5	5,832	5,806	5,790	5,752	5,711	5,679	5,620	5,558	5,503	5,425
6	5,847	5,826	5,800	5,785	5,748	5,707	5,675	5,616	5,555	5,499
7	5,862	5,841	5,821	5,795	5,780	5,743	5,702	5,671	5,612	5,552
8	5,854	5,856	5,835	5,816	5,790	5,775	5,739	5,697	5,667	5,608
9	5,832	5,848	5,851	5,830	5,811	5,786	5,770	5,735	5,693	5,663
10	5,229	5,828	5,844	5,846	5,826	5,807	5,783	5,767	5,732	5,690
11	5,453	5,227	5,825	5,842	5,843	5,823	5,805	5,781	5,765	5,730
12	5,622	5,450	5,225	5,822	5,840	5,841	5,820	5,803	5,779	5,763
13	5,736	5,619	5,447	5,223	5,820	5,838	5,839	5,817	5,801	5,777
14	5,824	5,734	5,617	5,445	5,221	5,817	5,836	5,837	5,815	5,799
15	5,898	5,821	5,731	5,614	5,442	5,219	5,815	5,834	5,834	5,813
16	5,989	5,894	5,818	5,728	5,611	5,439	5,216	5,812	5,832	5,831
17	6,106	5,985	5,890	5,814	5,725	5,608	5,436	5,214	5,809	5,830
18	6,258	6,102	5,981	5,887	5,810	5,722	5,605	5,433	5,211	5,806
19	6,441	6,254	6,098	5,978	5,884	5,807	5,719	5,602	5,431	5,208
20	6,635	6,436	6,250	6,093	5,974	5,880	5,803	5,715	5,598	5,428
21	6,789	6,628	6,429	6,243	6,086	5,968	5,875	5,798	5,710	5,594
22	6,882	6,781	6,620	6,423	6,237	6,080	5,962	5,870	5,793	5,705
23	6,878	6,874	6,774	6,613	6,417	6,232	6,075	5,957	5,865	5,788
24	6,812	6,871	6,867	6,767	6,607	6,411	6,226	6,069	5,952	5,861
25	6,719	6,804	6,864	6,860	6,760	6,601	6,406	6,221	6,064	5,947
26	6,647	6,712	6,797	6,857	6,854	6,753	6,595	6,401	6,216	6,059
27	6,603	6,640	6,705	6,791	6,850	6,848	6,747	6,589	6,396	6,211
28	6,600	6,596	6,633	6,698	6,784	6,843	6,842	6,742	6,584	6,391
29	6,628	6,593	6,589	6,626	6,692	6,778	6,836	6,836	6,736	6,579
30	6,643	6,620	6,585	6,582	6,618	6,685	6,771	6,829	6,830	6,730
31	6,651	6,632	6,610	6,575	6,574	6,609	6,677	6,762	6,821	6,822
32	6,705	6,641	6,623	6,601	6,566	6,566	6,601	6,669	6,753	6,813
33	6,836	6,695	6,631	6,614	6,592	6,557	6,558	6,593	6,662	6,746
34	7,000	6,826	6,686	6,622	6,605	6,584	6,548	6,550	6,585	6,654
35	7,188	6,986	6,813	6,673	6,610	6,593	6,573	6,538	6,540	6,575
36	7,324	7,170	6,968	6,797	6,657	6,595	6,579	6,559	6,525	6,527
37	7,320	7,306	7,153	6,951	6,782	6,643	6,581	6,565	6,545	6,513
38	7,126	7,301	7,288	7,137	6,935	6,767	6,629	6,568	6,552	6,532

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
39	6,803	7,108	7,283	7,270	7,121	6,919	6,752	6,615	6,555	6,539
40	6,415	6,783	7,088	7,263	7,250	7,103	6,902	6,735	6,599	6,540
41	6,056	6,393	6,761	7,066	7,241	7,228	7,082	6,883	6,717	6,581
42	5,757	6,037	6,372	6,739	7,044	7,219	7,206	7,061	6,863	6,699
43	5,572	5,737	6,017	6,352	6,718	7,023	7,198	7,186	7,042	6,845
44	5,454	5,553	5,719	5,998	6,333	6,698	7,003	7,178	7,166	7,023
45	5,361	5,435	5,533	5,699	5,977	6,312	6,676	6,980	7,156	7,144
46	5,230	5,339	5,413	5,512	5,678	5,954	6,289	6,653	6,956	7,131
47	5,049	5,209	5,319	5,392	5,491	5,658	5,933	6,266	6,629	6,933
48	4,781	5,029	5,189	5,299	5,372	5,471	5,638	5,912	6,245	6,607
49	4,464	4,762	5,009	5,169	5,279	5,352	5,451	5,619	5,892	6,224
50	4,122	4,441	4,738	4,984	5,144	5,253	5,326	5,425	5,593	5,866
51	3,815	4,096	4,413	4,709	4,954	5,114	5,223	5,296	5,395	5,561
52	3,575	3,790	4,070	4,385	4,680	4,925	5,084	5,193	5,266	5,366
53	3,425	3,552	3,766	4,045	4,359	4,652	4,896	5,055	5,164	5,237
54	3,349	3,404	3,530	3,743	4,020	4,333	4,626	4,868	5,026	5,135
55	3,290	3,322	3,377	3,503	3,714	3,990	4,300	4,593	4,834	4,991
56	3,217	3,258	3,290	3,345	3,471	3,680	3,955	4,262	4,553	4,793
57	3,121	3,186	3,227	3,259	3,315	3,440	3,647	3,920	4,225	4,514
58	3,008	3,091	3,156	3,198	3,228	3,285	3,409	3,615	3,887	4,190
59	2,865	2,978	3,062	3,126	3,169	3,198	3,256	3,379	3,583	3,853
60	2,732	2,837	2,949	3,033	3,096	3,140	3,169	3,227	3,349	3,552
61	2,619	2,704	2,808	2,920	3,004	3,066	3,110	3,139	3,198	3,319
62	2,510	2,593	2,678	2,780	2,892	2,976	3,037	3,082	3,110	3,169
63	2,402	2,485	2,567	2,652	2,753	2,864	2,949	3,008	3,054	3,082
64	2,302	2,378	2,460	2,542	2,627	2,727	2,837	2,922	2,981	3,027
65	2,196	2,271	2,347	2,427	2,509	2,593	2,692	2,802	2,886	2,945
66	2,090	2,158	2,233	2,309	2,387	2,469	2,552	2,649	2,758	2,841
67	2,006	2,055	2,122	2,195	2,271	2,348	2,429	2,512	2,607	2,715
68	1,950	1,972	2,020	2,088	2,159	2,234	2,311	2,390	2,473	2,567
69	1,905	1,917	1,939	1,986	2,054	2,125	2,198	2,275	2,353	2,435
70	1,869	1,860	1,871	1,894	1,940	2,006	2,076	2,148	2,224	2,301
71	1800	1,810	1,803	1,813	1,836	1,881	1,946	2,014	2,084	2,159
72	1,709	1,744	1,754	1,747	1,758	1,781	1,825	1,889	1,955	2,023
73	1,576	1,655	1,690	1,700	1,694	1,705	1,728	1,771	1,834	1,898
74	1422	1,527	1,604	1,639	1,648	1,643	1,654	1,677	1,719	1,781
75	1258	1371	1472	1,547	1,581	1,590	1,586	1,597	1,619	1,661
76	1110	1206	1315	1412	1485	1518	1526	1523	1535	1,555
77	996	1064	1156	1261	1355	1425	1458	1466	1463	1476
78	918	955	1021	1109	1210	1301	1369	1400	1409	1406
79	865	880	916	980	1064	1162	1249	1315	1345	1354
80	808	813	826	861	921	1000	1092	1175	1237	1266
81	741	741	747	759	792	847	921	1005	1082	1139
82	675	681	681	686	697	728	779	847	925	996
83	602	619	625	626	631	641	669	717	779	852
84	525	553	569	574	576	580	590	616	660	717

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
85+	2,352	2,421	2,505	2,591	2,668	2,737	2,799	2,861	2,939	3,045	
Total	383,314	386,662	389,914	393,076	396,123	399,046	401,869	404,602	407,237	409,765	
Age	2,037	2,038	2,039	2,040	2,041	2,042	2,043	2,044	2,045	2,046	2,047
0	5,093	5,036	4,993	4,952	4,914	4,877	4,845	4,820	4,797	4,780	4,766
1	5,147	5,083	5,026	4,984	4,943	4,906	4,869	4,837	4,814	4,791	4,774
2	5,195	5,138	5,075	5,019	4,978	4,936	4,900	4,863	4,831	4,808	4,786
3	5,242	5,189	5,133	5,070	5,014	4,974	4,932	4,897	4,860	4,828	4,805
4	5,286	5,239	5,185	5,129	5,067	5,010	4,971	4,929	4,894	4,857	4,826
5	5,338	5,282	5,236	5,182	5,125	5,065	5,008	4,968	4,926	4,892	4,854
6	5,421	5,334	5,279	5,233	5,179	5,122	5,062	5,006	4,966	4,924	4,890
7	5,496	5,418	5,331	5,276	5,231	5,177	5,119	5,060	5,004	4,964	4,922
8	5,548	5,492	5,414	5,328	5,273	5,228	5,175	5,116	5,058	5,002	4,962
9	5,604	5,545	5,489	5,411	5,325	5,270	5,225	5,173	5,113	5,055	5,000
10	5,661	5,601	5,543	5,487	5,408	5,323	5,268	5,223	5,171	5,111	5,054
11	5,688	5,660	5,599	5,541	5,486	5,407	5,322	5,267	5,222	5,170	5,110
12	5,728	5,686	5,658	5,598	5,540	5,484	5,406	5,320	5,266	5,221	5,169
13	5,761	5,726	5,685	5,656	5,596	5,539	5,482	5,405	5,319	5,265	5,220
14	5,776	5,760	5,724	5,683	5,655	5,595	5,538	5,481	5,404	5,318	5,264
15	5,796	5,773	5,758	5,723	5,681	5,653	5,593	5,536	5,479	5,403	5,316
16	5,811	5,794	5,771	5,755	5,721	5,679	5,652	5,591	5,535	5,477	5,402
17	5,828	5,809	5,792	5,769	5,753	5,719	5,677	5,651	5,589	5,533	5,475
18	5,828	5,825	5,806	5,790	5,767	5,751	5,717	5,675	5,649	5,588	5,532
19	5,803	5,826	5,823	5,804	5,787	5,765	5,749	5,715	5,673	5,647	5,586
20	5,205	5,800	5,823	5,820	5,802	5,784	5,762	5,747	5,713	5,671	5,644
21	5,424	5,201	5,795	5,819	5,816	5,798	5,780	5,758	5,744	5,710	5,668
22	5,590	5,420	5,198	5,791	5,815	5,812	5,795	5,777	5,755	5,741	5,708
23	5,700	5,586	5,416	5,194	5,787	5,812	5,808	5,792	5,774	5,752	5,738
24	5,784	5,696	5,582	5,412	5,191	5,783	5,809	5,804	5,788	5,771	5,749
25	5,856	5,779	5,692	5,579	5,408	5,188	5,779	5,806	5,801	5,785	5,768
26	5,943	5,852	5,775	5,688	5,576	5,404	5,185	5,775	5,803	5,797	5,782
27	6,054	5,938	5,848	5,771	5,684	5,573	5,401	5,182	5,771	5,800	5,794
28	6,207	6,050	5,934	5,844	5,767	5,680	5,570	5,398	5,179	5,768	5,797
29	6,386	6,202	6,046	5,930	5,840	5,764	5,676	5,567	5,395	5,176	5,765
30	6,573	6,381	6,196	6,041	5,926	5,836	5,760	5,672	5,564	5,392	5,173
31	6,723	6,566	6,375	6,190	6,035	5,920	5,831	5,755	5,667	5,560	5,387
32	6,814	6,716	6,559	6,369	6,184	6,030	5,915	5,826	5,751	5,662	5,556
33	6,805	6,807	6,709	6,552	6,363	6,178	6,024	5,910	5,821	5,747	5,658
34	6,739	6,798	6,800	6,703	6,546	6,357	6,173	6,019	5,905	5,816	5,743
35	6,644	6,729	6,789	6,791	6,695	6,538	6,349	6,166	6,012	5,898	5,810
36	6,563	6,632	6,717	6,777	6,779	6,684	6,528	6,339	6,157	6,004	5,890
37	6,514	6,551	6,620	6,705	6,766	6,768	6,674	6,518	6,330	6,148	5,995
38	6,501	6,502	6,540	6,609	6,694	6,755	6,757	6,664	6,508	6,321	6,140
39	6,520	6,489	6,490	6,529	6,598	6,684	6,745	6,747	6,655	6,499	6,312
40	6,524	6,506	6,475	6,477	6,515	6,585	6,671	6,733	6,735	6,644	6,488
41	6,523	6,507	6,490	6,459	6,462	6,500	6,570	6,656	6,718	6,721	6,631
42	6,564	6,507	6,491	6,474	6,444	6,447	6,486	6,556	6,642	6,704	6,708

Table A6 Projected Single Year Population (FEMALE), Bhutan, 2017 - 2047

Age	2,037	2,038	2,039	2,040	2,041	2,042	2,043	2,044	2,045	2,046	2,047
43	6,681	6,547	6,491	6,475	6,459	6,429	6,433	6,472	6,542	6,628	6,690
44	6,827	6,664	6,531	6,476	6,459	6,444	6,414	6,419	6,459	6,529	6,615
45	7,002	6,807	6,645	6,513	6,459	6,442	6,428	6,398	6,403	6,443	6,513
46	7,121	6,979	6,785	6,624	6,493	6,440	6,423	6,410	6,380	6,386	6,426
47	7,107	7,098	6,957	6,764	6,605	6,474	6,421	6,404	6,392	6,362	6,369
48	6,910	7,084	7,075	6,935	6,743	6,585	6,455	6,403	6,386	6,375	6,345
49	6,585	6,888	7,062	7,054	6,913	6,723	6,566	6,436	6,385	6,368	6,358
50	6,197	6,557	6,859	7,033	7,026	6,886	6,697	6,542	6,413	6,362	6,345
51	5,835	6,164	6,523	6,823	6,998	6,991	6,853	6,665	6,511	6,384	6,334
52	5,531	5,804	6,132	6,490	6,789	6,964	6,957	6,820	6,634	6,481	6,355
53	5,336	5,502	5,774	6,101	6,457	6,755	6,930	6,924	6,788	6,604	6,452
54	5,209	5,307	5,473	5,744	6,070	6,426	6,722	6,897	6,892	6,756	6,574
55	5,100	5,174	5,271	5,437	5,707	6,031	6,387	6,681	6,855	6,852	6,717
56	4,949	5,058	5,133	5,229	5,395	5,663	5,984	6,340	6,632	6,805	6,803
57	4,753	4,908	5,017	5,092	5,188	5,353	5,621	5,938	6,293	6,584	6,757
58	4,476	4,714	4,868	4,977	5,052	5,148	5,312	5,580	5,895	6,247	6,537
59	4,155	4,439	4,676	4,830	4,938	5,013	5,109	5,272	5,539	5,853	6,202
60	3,820	4,120	4,402	4,637	4,791	4,899	4,973	5,069	5,231	5,497	5,810
61	3,520	3,787	4,084	4,365	4,598	4,751	4,859	4,933	5,029	5,190	5,455
62	3,290	3,489	3,754	4,049	4,328	4,560	4,713	4,820	4,894	4,990	5,150
63	3,141	3,261	3,460	3,722	4,016	4,293	4,523	4,676	4,783	4,856	4,952
64	3,055	3,114	3,233	3,431	3,690	3,982	4,258	4,486	4,638	4,746	4,818
65	2,991	3,018	3,077	3,195	3,392	3,649	3,938	4,211	4,437	4,588	4,696
66	2,899	2,946	2,973	3,032	3,148	3,343	3,596	3,883	4,153	4,376	4,525
67	2,798	2,855	2,902	2,929	2,988	3,102	3,295	3,545	3,829	4,095	4,316
68	2,673	2,756	2,812	2,859	2,886	2,945	3,058	3,249	3,495	3,777	4,040
69	2,528	2,633	2,715	2,770	2,817	2,845	2,903	3,014	3,204	3,447	3,725
70	2,382	2,473	2,576	2,658	2,712	2,758	2,786	2,844	2,953	3,139	3,378
71	2,234	2,314	2,403	2,503	2,584	2,637	2,683	2,710	2,767	2,874	3,057
72	2,097	2,170	2,249	2,336	2,433	2,513	2,565	2,611	2,638	2,694	2,798
73	1,965	2,037	2,108	2,186	2,272	2,366	2,444	2,495	2,541	2,568	2,623
74	1,843	1,909	1,980	2,049	2,125	2,209	2,302	2,378	2,428	2,473	2,501
75	1,721	1,781	1,845	1,914	1,982	2,056	2,138	2,229	2,303	2,352	2,w96
76	1,597	1,655	1,713	1,776	1,842	1,908	1,980	2,059	2,147	2,219	2,267
77	1,495	1,536	1,592	1,647	1,709	1,773	1,836	1,907	1,983	2,069	2,138
78	1,419	1,437	1,478	1,533	1,585	1,645	1,708	1,768	1,838	1,911	1,994
79	1,351	1,365	1,382	1,421	1,475	1,526	1,584	1,645	1,703	1,771	1,843
80	1,275	1,272	1,285	1,303	1,340	1,391	1,439	1,495	1,552	1,608	1,671
81	1,166	1,175	1,173	1,184	1,201	1,236	1,284	1,328	1,380	1,433	1,486
82	1,049	1,074	1,083	1,082	1,092	1,108	1,140	1,185	1,226	1,274	1,324
83	918	967	990	998	998	1,007	1,022	1,052	1,094	1,132	1,177
84	784	845	891	913	920	920	930	943	972	1,011	1,045
85+	3,186	3,365	3,571	3,787	3,991	4,171	4,324	4,465	4,597	4,737	4,893
All Ages	412,177	414,479	416,683	418,790	420,802	422,720	424,551	426,301	427,972	429,567	431,087

Table A7 Projected Single Year Population (RURAL TOTAL), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	6,412	7,771	6,222	5,711	4,939	4,335	3,827
1	6,040	7,280	6,382	5,671	4,898	4,263	3,750
2	7,603	6,940	6,512	5,682	4,909	4,246	3,722
3	7,888	6,733	6,613	5,735	4,963	4,274	3,733
4	8,051	6,639	6,687	5,820	5,050	4,339	3,777
5	8,471	6,641	6,737	5,925	5,160	4,432	3,845
6	7,951	6,718	6,762	6,041	5,284	4,541	3,929
7	7,705	6,853	6,766	6,156	5,411	4,659	4,021
8	8,102	7,027	6,750	6,262	5,534	4,776	4,113
9	8,183	7,221	6,716	6,347	5,640	4,883	4,197
10	8,446	7,447	6,671	6,437	5,746	4,993	4,286
11	8,457	7,716	6,623	6,554	5,867	5,122	4,392
12	9,766	7,858	6,543	6,516	5,869	5,140	4,404
13	9,283	7,795	6,422	6,241	5,695	4,992	4,271
14	8,701	7,598	6,279	5,825	5,409	4,740	4,048
15	8,206	7,431	6,140	5,434	5,138	4,498	3,838
16	8,290	7,274	5,994	5,026	4,864	4,243	3,619
17	7,514	7,107	5,903	4,749	4,621	4,047	3,453
18	7,002	6,943	5,901	4,690	4,443	3,957	3,383
19	6,873	6,793	5,958	4,778	4,318	3,939	3,378
20	7,495	6,643	6,018	4,848	4,191	3,912	3,361
21	7,347	6,478	6,099	4,921	4,062	3,894	3,343
22	7,922	6,443	6,158	5,034	4,023	3,877	3,354
23	8,254	6,603	6,171	5,186	4,110	3,851	3,402
24	8,625	6,890	6,164	5,362	4,284	3,826	3,473
25	8,982	7,157	6,176	5,559	4,462	3,820	3,555
26	8,850	7,417	6,190	5,789	4,654	3,825	3,657
27	8,914	7,676	6,272	5,949	4,845	3,873	3,721
28	8,936	7,917	6,454	5,989	5,014	3,980	3,718
29	7,871	8,129	6,701	5,958	5,166	4,127	3,678
30	8,801	8,338	6,931	5,950	5,337	4,279	3,657
31	7,123	8,567	7,150	5,940	5,536	4,440	3,642
32	8,055	8,624	7,367	5,991	5,664	4,597	3,665
33	6,998	8,425	7,575	6,140	5,682	4,739	3,749
34	6,341	8,063	7,762	6,355	5,638	4,871	3,876
35	7,144	7,700	7,938	6,545	5,606	5,012	3,999
36	6,784	7,287	8,115	6,706	5,556	5,164	4,116
37	6,798	6,984	8,172	6,919	5,613	5,295	4,274
38	6,611	6,880	8,057	7,209	5,841	5,394	4,491
39	5,662	6,894	7,825	7,529	6,174	5,476	4,738
40	6,825	6,870	7,586	7,829	6,479	5,564	4,989
41	4,963	6,858	7,314	8,148	6,773	5,654	5,268
42	5,473	6,735	7,077	8,268	7,035	5,765	5,450
43	4,854	6,428	6,918	8,086	7,239	5,908	5,475
44	4,460	6,013	6,805	7,710	7,392	6,075	5,409

Table A7 Projected Single Year Population (RURAL TOTAL), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	5,436	5,625	6,667	7,341	7,541	6,229	5,365
46	4,462	5,226	6,530	6,926	7,693	6,358	5,309
47	4,456	4,933	6,346	6,622	7,738	6,544	5,353
48	4,741	4,817	6,088	6,523	7,629	6,822	5,561
49	4,458	4,814	5,789	6,547	7,419	7,140	5,874
50	5,021	4,792	5,500	6,527	7,195	7,433	6,153
51	4,009	4,778	5,200	6,509	6,927	7,728	6,402
52	4,291	4,738	4,977	6,411	6,729	7,879	6,687
53	3,888	4,643	4,880	6,178	6,663	7,810	7,015
54	3,748	4,512	4,860	5,863	6,670	7,594	7,351
55	3,995	4,398	4,829	5,566	6,643	7,372	7,664
56	3,867	4,294	4,807	5,260	6,621	7,112	7,987
57	3,607	4,173	4,742	5,011	6,491	6,880	8,111
58	3,657	4,030	4,602	4,858	6,193	6,723	7,938
59	3,270	3,874	4,413	4,765	5,790	6,603	7,569
60	4,101	3,715	4,237	4,658	5,402	6,448	7,195
61	3,322	3,544	4,065	4,553	4,996	6,286	6,773
62	3,258	3,403	3,893	4,424	4,668	6,053	6,412
63	3,033	3,313	3,725	4,251	4,473	5,713	6,185
64	2,664	3,250	3,561	4,051	4,362	5,309	6,034
65	2,902	3,180	3,391	3,860	4,232	4,912	5,840
66	2,384	3,120	3,213	3,673	4,107	4,502	5,640
67	2,360	3,007	3,057	3,485	3,956	4,160	5,379
68	2,105	2,813	2,938	3,295	3,758	3,934	5,020
69	1,901	2,569	2,840	3,108	3,529	3,783	4,605
70	2,223	2,335	2,738	2,919	3,315	3,621	4,204
71	1,667	2,095	2,646	2,725	3,108	3,466	3,796
72	1,899	1,896	2,516	2,554	2,905	3,294	3,452
73	1,660	1,768	2,323	2,416	2,707	3,083	3,211
74	1,615	1,686	2,093	2,299	2,517	2,850	3,039
75	1,532	1,592	1,881	2,174	2,330	2,634	2,854
76	1,291	1,494	1,684	2,043	2,150	2,427	2,668
77	1,139	1,399	1,496	1,907	1,978	2,226	2,490
78	1,195	1,304	1,323	1,764	1,815	2,030	2,314
79	997	1,204	1,172	1,611	1,662	1,842	2,136
80	1,190	1,098	1,048	1,443	1,521	1,662	1,951
81	770	981	956	1,257	1,392	1,493	1,753
82	797	849	903	1,051	1,277	1,336	1,538
83	716	699	894	821	1,177	1,193	1,300
84	750	529	935	563	1,093	1,064	1,035
85+	2,769	2,962	3,037	3,341	3,661	4,399	4,810
All Ages	452,178	451,255	446,372	436,671	422,167	403,590	382,018

Table A8 Projected Single Year Population (RURAL MALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	3,278	3,879	3,085	2,833	2,444	2,140	1,882
1	3,048	3,647	3,192	2,837	2,447	2,125	1,863
2	3,799	3,489	3,278	2,862	2,471	2,134	1,865
3	3,952	3,395	3,344	2,903	2,513	2,161	1,883
4	4,028	3,358	3,392	2,956	2,567	2,203	1,913
5	4,347	3,367	3,424	3,017	2,629	2,256	1,954
6	4,091	3,413	3,441	3,080	2,696	2,316	2,000
7	3,941	3,487	3,445	3,141	2,763	2,378	2,049
8	4,123	3,580	3,437	3,195	2,826	2,438	2,096
9	4,097	3,682	3,419	3,238	2,880	2,492	2,138
10	4,301	3,799	3,394	3,281	2,932	2,547	2,182
11	4,228	3,938	3,365	3,337	2,989	2,609	2,233
12	4,899	4,012	3,326	3,319	2,991	2,619	2,240
13	4,669	3,982	3,278	3,188	2,912	2,553	2,180
14	4,423	3,884	3,225	2,990	2,780	2,437	2,078
15	4,104	3,802	3,173	2,803	2,655	2,326	1,983
16	4,228	3,730	3,118	2,607	2,529	2,208	1,882
17	3,898	3,649	3,083	2,476	2,415	2,117	1,806
18	3,696	3,565	3,080	2,453	2,327	2,075	1,773
19	3,680	3,486	3,097	2,504	2,262	2,065	1,770
20	4,115	3,409	3,120	2,544	2,196	2,051	1,762
21	4,011	3,319	3,155	2,587	2,127	2,042	1,752
22	4,471	3,321	3,180	2,645	2,106	2,033	1,757
23	4,588	3,463	3,180	2,716	2,154	2,019	1,782
24	4,884	3,692	3,172	2,795	2,249	2,005	1,819
25	4,980	3,906	3,174	2,887	2,344	2,001	1,860
26	4,862	4,119	3,172	2,997	2,446	2,000	1,911
27	4,917	4,302	3,228	3,069	2,541	2,021	1,941
28	4,977	4,430	3,371	3,078	2,615	2,074	1,935
29	4,237	4,511	3,568	3,051	2,674	2,148	1,908
30	4,919	4,593	3,752	3,035	2,745	2,222	1,890
31	3,851	4,681	3,932	3,012	2,830	2,300	1,872
32	4,530	4,683	4,085	3,045	2,880	2,372	1,876
33	3,592	4,562	4,189	3,165	2,876	2,430	1,915
34	3,375	4,360	4,255	3,340	2,842	2,478	1,978
35	4,023	4,154	4,317	3,498	2,815	2,533	2,037
36	3,555	3,920	4,377	3,646	2,774	2,596	2,095
37	3,579	3,739	4,374	3,786	2,803	2,641	2,162
38	3,505	3,654	4,281	3,912	2,942	2,659	2,237
39	2,913	3,627	4,129	4,018	3,147	2,664	2,316
40	3,697	3,582	3,971	4,119	3,336	2,674	2,401
41	2,525	3,544	3,794	4,227	3,524	2,682	2,502
42	2,898	3,457	3,641	4,245	3,675	2,726	2,561
43	2,469	3,290	3,539	4,131	3,764	2,827	2,551
44	2,251	3,078	3,468	3,933	3,805	2,964	2,504

Table A8 Projected Single Year Population (RURAL MALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	2,904	2,881	3,386	3,735	3,850	3,093	2,470
46	2,276	2,680	3,305	3,513	3,895	3,214	2,430
47	2,217	2,531	3,207	3,351	3,896	3,346	2,462
48	2,449	2,469	3,080	3,297	3,838	3,490	2,609
49	2,171	2,462	2,938	3,309	3,743	3,634	2,828
50	2,600	2,447	2,803	3,301	3,637	3,769	3,030
51	2,014	2,436	2,663	3,294	3,508	3,904	3,221
52	2,241	2,418	2,564	3,255	3,421	3,981	3,420
53	1,978	2,381	2,525	3,158	3,408	3,972	3,623
54	1,892	2,329	2,525	3,026	3,436	3,903	3,817
55	2,066	2,286	2,520	2,903	3,448	3,827	4,002
56	1,986	2,248	2,520	2,777	3,463	3,732	4,192
57	1,850	2,195	2,495	2,670	3,417	3,640	4,274
58	1,876	2,120	2,427	2,595	3,274	3,567	4,195
59	1,699	2,031	2,330	2,540	3,072	3,501	4,011
60	2,038	1,942	2,240	2,479	2,877	3,420	3,822
61	1,697	1,847	2,152	2,417	2,674	3,334	3,607
62	1,640	1,767	2,060	2,345	2,506	3,212	3,421
63	1,581	1,712	1,967	2,253	2,401	3,038	3,300
64	1,382	1,671	1,874	2,149	2,336	2,832	3,218
65	1,496	1,627	1,777	2,048	2,261	2,627	3,111
66	1,282	1,584	1,675	1,947	2,184	2,413	2,998
67	1,241	1,524	1,588	1,847	2,102	2,238	2,861
68	1,111	1,435	1,526	1,751	2,006	2,128	2,690
69	972	1,327	1,478	1,658	1,901	2,061	2,498
70	1,214	1,224	1,429	1,564	1,801	1,986	2,310
71	898	1,119	1,383	1,469	1,706	1,916	2,120
72	973	1,027	1,317	1,378	1,603	1,827	1,948
73	849	956	1,216	1,293	1,486	1,703	1,805
74	870	899	1,094	1,212	1,362	1,558	1,681
75	777	840	982	1,129	1,244	1,424	1,556
76	649	779	877	1,046	1,130	1,296	1,433
77	591	720	776	963	1,022	1,172	1,315
78	606	661	683	878	920	1,052	1,200
79	539	602	601	792	826	938	1,089
80	611	542	532	704	742	833	981
81	382	480	480	612	671	739	874
82	376	415	448	518	614	658	767
83	370	346	438	419	572	590	661
84	368	273	453	316	548	540	554
85+	1,312	1,393	1,417	1,558	1,710	2,014	2,213
All Ages	236,598	235,163	231,776	225,971	217,750	207,484	195,712

Table A9 Projected Single Year Population (RURAL FEMALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	3,134	3,892	3,137	2,879	2,495	2,194	1,946
1	2,992	3,633	3,190	2,834	2,451	2,137	1,887
2	3,804	3,452	3,234	2,820	2,438	2,112	1,857
3	3,936	3,338	3,269	2,832	2,450	2,113	1,851
4	4,023	3,281	3,295	2,863	2,483	2,136	1,864
5	4,124	3,274	3,312	2,908	2,530	2,175	1,891
6	3,860	3,305	3,321	2,961	2,587	2,225	1,929
7	3,764	3,366	3,321	3,016	2,648	2,282	1,972
8	3,979	3,447	3,313	3,067	2,708	2,338	2,017
9	4,086	3,539	3,296	3,110	2,761	2,391	2,059
10	4,145	3,648	3,276	3,155	2,815	2,446	2,104
11	4,229	3,778	3,258	3,217	2,878	2,513	2,160
12	4,867	3,846	3,217	3,197	2,878	2,521	2,164
13	4,614	3,813	3,144	3,054	2,783	2,440	2,091
14	4,278	3,715	3,054	2,835	2,628	2,303	1,970
15	4,102	3,628	2,967	2,631	2,482	2,172	1,856
16	4,062	3,544	2,875	2,419	2,334	2,035	1,737
17	3,616	3,458	2,820	2,273	2,206	1,930	1,647
18	3,306	3,378	2,821	2,236	2,116	1,882	1,610
19	3,193	3,307	2,861	2,274	2,056	1,874	1,607
20	3,380	3,234	2,899	2,304	1,995	1,860	1,599
21	3,336	3,159	2,944	2,334	1,935	1,852	1,591
22	3,451	3,122	2,979	2,389	1,917	1,845	1,597
23	3,666	3,140	2,991	2,470	1,956	1,832	1,620
24	3,741	3,198	2,991	2,567	2,035	1,821	1,654
25	4,002	3,251	3,002	2,672	2,118	1,820	1,695
26	3,988	3,298	3,018	2,792	2,208	1,825	1,746
27	3,997	3,374	3,044	2,880	2,304	1,852	1,780
28	3,959	3,487	3,083	2,911	2,399	1,906	1,783
29	3,634	3,618	3,132	2,907	2,492	1,980	1,770
30	3,882	3,745	3,179	2,915	2,593	2,057	1,767
31	3,272	3,886	3,217	2,928	2,706	2,140	1,770
32	3,525	3,941	3,282	2,946	2,784	2,225	1,789
33	3,406	3,864	3,385	2,975	2,806	2,309	1,834
34	2,966	3,703	3,508	3,015	2,796	2,393	1,898
35	3,121	3,546	3,621	3,047	2,792	2,480	1,961
36	3,229	3,367	3,737	3,060	2,782	2,568	2,020
37	3,219	3,245	3,799	3,133	2,810	2,654	2,113
38	3,106	3,226	3,776	3,297	2,899	2,735	2,254
39	2,749	3,266	3,696	3,511	3,027	2,812	2,422
40	3,128	3,287	3,615	3,710	3,143	2,890	2,588
41	2,438	3,315	3,520	3,921	3,249	2,972	2,766
42	2,575	3,278	3,436	4,023	3,360	3,039	2,889
43	2,385	3,138	3,379	3,955	3,475	3,082	2,924
44	2,209	2,935	3,336	3,777	3,587	3,112	2,905

Table A9 Projected Single Year Population (RURAL FEMALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	2,532	2,745	3,281	3,606	3,691	3,137	2,895
46	2,186	2,546	3,226	3,413	3,799	3,143	2,879
47	2,239	2,402	3,140	3,271	3,842	3,198	2,891
48	2,292	2,348	3,009	3,226	3,790	3,332	2,952
49	2,287	2,352	2,851	3,237	3,676	3,507	3,046
50	2,421	2,345	2,697	3,226	3,558	3,663	3,122
51	1,995	2,342	2,536	3,215	3,419	3,823	3,181
52	2,050	2,320	2,414	3,156	3,308	3,897	3,267
53	1,910	2,263	2,354	3,020	3,255	3,838	3,392
54	1,856	2,183	2,335	2,837	3,234	3,691	3,533
55	1,929	2,113	2,308	2,663	3,196	3,545	3,662
56	1,881	2,046	2,287	2,483	3,158	3,380	3,795
57	1,757	1,978	2,247	2,340	3,075	3,240	3,837
58	1,781	1,910	2,175	2,262	2,918	3,155	3,743
59	1,571	1,843	2,083	2,225	2,718	3,101	3,558
60	2,063	1,773	1,997	2,179	2,525	3,028	3,373
61	1,625	1,697	1,913	2,136	2,323	2,952	3,166
62	1,618	1,636	1,832	2,079	2,162	2,841	2,992
63	1,452	1,601	1,758	1,998	2,072	2,676	2,884
64	1,282	1,579	1,687	1,901	2,025	2,477	2,816
65	1,406	1,554	1,614	1,812	1,971	2,285	2,729
66	1,102	1,535	1,538	1,726	1,922	2,089	2,642
67	1,119	1,483	1,469	1,637	1,855	1,923	2,517
68	994	1,378	1,412	1,544	1,752	1,806	2,330
69	929	1,241	1,361	1,449	1,628	1,722	2,107
70	1,009	1,111	1,310	1,355	1,514	1,635	1,894
71	769	975	1,263	1,256	1,402	1,550	1,676
72	926	869	1,199	1,176	1,302	1,467	1,504
73	811	812	1,107	1,123	1,221	1,380	1,406
74	745	786	999	1,087	1,154	1,292	1,357
75	755	752	900	1,044	1,086	1,210	1,298
76	642	715	807	996	1,020	1,131	1,235
77	548	679	719	944	956	1,054	1,175
78	589	643	640	886	895	978	1,114
79	458	602	571	818	836	903	1,047
80	579	556	515	739	778	829	971
81	388	500	476	645	721	754	880
82	421	434	455	533	663	679	771
83	346	353	457	402	605	602	639
84	382	256	482	248	546	525	480
85+	1,457	1,569	1,620	1,783	1,951	2,386	2,598
All Ages	215,580	216,092	214,596	210,700	204,417	196,106	186,306

Table A10 Projected Single Year Population (URBAN TOTAL), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	4,705	5,166	4,894	5,310	5,398	5,602	5,877
1	3,435	5,025	5,175	5,431	5,542	5,711	5,961
2	4,422	4,888	5,344	5,509	5,641	5,784	6,009
3	4,291	4,760	5,419	5,551	5,702	5,826	6,030
4	4,627	4,646	5,416	5,565	5,733	5,845	6,030
5	4,678	4,551	5,354	5,557	5,742	5,850	6,016
6	4,444	4,479	5,250	5,535	5,737	5,846	5,996
7	4,509	4,435	5,122	5,504	5,726	5,841	5,978
8	4,594	4,424	4,986	5,472	5,716	5,844	5,968
9	4,354	4,449	4,861	5,446	5,717	5,860	5,974
10	4,219	4,489	4,725	5,421	5,709	5,874	5,981
11	4,545	4,521	4,556	5,391	5,675	5,870	5,974
12	5,304	4,685	4,568	5,424	5,753	5,973	6,072
13	5,077	5,042	4,856	5,551	6,003	6,236	6,326
14	5,154	5,513	5,320	5,743	6,356	6,596	6,676
15	5,165	5,975	5,759	5,933	6,694	6,936	7,013
16	6,125	6,465	6,205	6,125	7,055	7,278	7,357
17	6,384	6,817	6,599	6,333	7,291	7,554	7,642
18	6,476	6,940	6,888	6,554	7,319	7,717	7,825
19	6,251	6,913	7,097	6,780	7,216	7,796	7,934
20	6,813	6,906	7,321	7,002	7,136	7,885	8,045
21	6,992	6,881	7,563	7,221	7,045	7,985	8,145
22	7,329	6,889	7,681	7,404	7,010	7,990	8,209
23	7,304	6,970	7,622	7,534	7,081	7,864	8,232
24	7,334	7,092	7,451	7,620	7,218	7,660	8,220
25	7,404	7,173	7,279	7,702	7,329	7,458	8,197
26	7,258	7,217	7,072	7,788	7,423	7,231	8,174
27	7,504	7,271	6,960	7,802	7,525	7,107	8,097
28	7,125	7,348	7,013	7,714	7,635	7,157	7,947
29	6,436	7,422	7,170	7,566	7,741	7,318	7,759
30	6,747	7,472	7,282	7,414	7,846	7,452	7,573
31	5,121	7,521	7,363	7,231	7,959	7,576	7,366
32	6,130	7,442	7,450	7,145	7,998	7,706	7,264
33	5,133	7,175	7,541	7,218	7,926	7,833	7,330
34	4,731	6,784	7,617	7,388	7,782	7,949	7,502
35	5,130	6,393	7,681	7,522	7,644	8,071	7,656
36	4,719	5,974	7,759	7,643	7,491	8,219	7,813
37	4,778	5,597	7,662	7,715	7,386	8,244	7,931
38	4,411	5,306	7,305	7,707	7,366	8,081	7,974
39	3,512	5,071	6,783	7,633	7,401	7,805	7,964
40	4,000	4,815	6,265	7,555	7,405	7,538	7,965
41	2,673	4,557	5,705	7,472	7,377	7,235	7,972
42	3,196	4,293	5,261	7,301	7,384	7,066	7,936
43	2,638	4,015	5,024	7,010	7,448	7,120	7,842
44	2,413	3,732	4,914	6,638	7,529	7,309	7,710

Table A10 Projected Single Year Population (URBAN TOTAL), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	2,845	3,461	4,771	6,256	7,588	7,452	7,570
46	2,216	3,195	4,638	5,846	7,658	7,577	7,408
47	2,386	2,961	4,435	5,470	7,552	7,644	7,294
48	2,470	2,773	4,109	5,165	7,179	7,611	7,264
49	2,063	2,617	3,711	4,904	6,635	7,497	7,282
50	2,203	2,467	3,343	4,630	6,102	7,385	7,274
51	1,563	2,331	2,979	4,364	5,541	7,284	7,253
52	1,820	2,187	2,673	4,066	5,051	7,049	7,195
53	1,400	2,023	2,459	3,713	4,700	6,623	7,077
54	1,374	1,851	2,310	3,335	4,440	6,079	6,912
55	1,325	1,693	2,159	2,976	4,158	5,538	6,745
56	1,172	1,544	2,020	2,620	3,881	4,964	6,581
57	1,083	1,416	1,892	2,341	3,606	4,502	6,347
58	1,085	1,317	1,770	2,178	3,321	4,232	6,016
59	837	1,240	1,656	2,093	3,040	4,086	5,626
60	1,174	1,167	1,558	2,011	2,780	3,920	5,236
61	813	1,098	1,473	1,946	2,530	3,768	4,824
62	959	1,043	1,394	1,876	2,332	3,589	4,486
63	735	1,003	1,318	1,782	2,206	3,349	4,274
64	652	974	1,246	1,676	2,127	3,078	4,140
65	794	949	1,181	1,588	2,056	2,833	3,994
66	596	932	1,120	1,512	2,000	2,597	3,862
67	612	901	1,069	1,437	1,933	2,405	3,691
68	559	844	1,030	1,362	1,839	2,277	3,447
69	441	772	1,000	1,288	1,729	2,192	3,163
70	618	705	971	1,216	1,631	2,108	2,897
71	376	638	948	1,145	1,541	2,033	2,632
72	487	583	909	1,084	1,453	1,949	2,415
73	457	550	847	1,037	1,368	1,843	2,272
74	466	530	770	998	1,287	1,723	2,176
75	440	506	699	955	1,206	1,612	2,071
76	356	480	632	908	1,127	1,504	1,960
77	321	454	568	857	1,049	1,396	1,851
78	349	427	507	800	973	1,288	1,738
79	251	397	453	735	899	1,178	1,617
80	344	362	407	660	825	1,068	1,481
81	198	323	370	574	753	957	1,327
82	210	276	344	473	682	845	1,150
83	213	222	332	357	611	731	944
84	209	158	335	224	542	617	704
85+	905	1,123	1,347	1,751	2,271	3,233	4,190
All Ages	274,967	311,994	350,892	390,286	429,009	466,310	501,848

Table A11 Projected Single Year Population (URBAN MALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	2,468	2,711	2,564	2,768	2,809	2,913	3,053
1	1,765	2,604	2,678	2,803	2,858	2,944	3,074
2	2,273	2,508	2,742	2,822	2,888	2,962	3,081
3	2,185	2,425	2,763	2,828	2,904	2,969	3,078
4	2,380	2,355	2,749	2,823	2,909	2,969	3,068
5	2,362	2,300	2,710	2,811	2,906	2,964	3,054
6	2,285	2,261	2,652	2,795	2,899	2,957	3,040
7	2,280	2,239	2,584	2,776	2,890	2,953	3,029
8	2,303	2,236	2,515	2,759	2,884	2,953	3,022
9	2,206	2,252	2,452	2,745	2,884	2,961	3,025
10	2,198	2,277	2,384	2,734	2,882	2,970	3,030
11	2,247	2,303	2,302	2,722	2,868	2,971	3,029
12	2,664	2,384	2,307	2,737	2,906	3,022	3,078
13	2,490	2,545	2,446	2,793	3,023	3,146	3,198
14	2,537	2,752	2,671	2,877	3,187	3,315	3,364
15	2,498	2,959	2,883	2,960	3,344	3,475	3,524
16	3,044	3,184	3,101	3,043	3,514	3,636	3,687
17	3,084	3,343	3,289	3,140	3,623	3,766	3,823
18	3,226	3,395	3,419	3,250	3,634	3,843	3,912
19	3,221	3,379	3,505	3,367	3,583	3,882	3,965
20	3,560	3,373	3,603	3,482	3,542	3,926	4,019
21	3,636	3,355	3,713	3,597	3,496	3,975	4,069
22	3,980	3,378	3,763	3,687	3,479	3,977	4,100
23	3,860	3,473	3,726	3,739	3,516	3,912	4,109
24	3,970	3,610	3,639	3,762	3,586	3,808	4,100
25	4,114	3,723	3,552	3,788	3,645	3,706	4,087
26	3,794	3,823	3,445	3,820	3,697	3,590	4,075
27	3,847	3,903	3,411	3,819	3,748	3,530	4,037
28	3,790	3,953	3,500	3,774	3,795	3,561	3,964
29	3,284	3,975	3,664	3,706	3,837	3,651	3,874
30	3,664	3,989	3,803	3,636	3,881	3,728	3,785
31	2,713	4,001	3,931	3,550	3,936	3,804	3,686
32	3,303	3,951	4,036	3,536	3,954	3,874	3,641
33	2,675	3,813	4,097	3,638	3,917	3,932	3,682
34	2,437	3,617	4,120	3,811	3,849	3,977	3,777
35	2,894	3,417	4,141	3,962	3,786	4,030	3,862
36	2,485	3,200	4,166	4,110	3,710	4,098	3,952
37	2,513	3,010	4,111	4,214	3,692	4,115	4,022
38	2,366	2,872	3,941	4,244	3,767	4,051	4,057
39	1,856	2,768	3,697	4,218	3,899	3,942	4,066
40	2,230	2,652	3,449	4,191	4,009	3,836	4,083
41	1,519	2,535	3,177	4,159	4,107	3,708	4,106
42	1,866	2,410	2,959	4,077	4,190	3,670	4,104
43	1,467	2,268	2,839	3,929	4,250	3,776	4,066
44	1,352	2,118	2,779	3,735	4,281	3,967	4,007

Table A11 Projected Single Year Population (URBAN MALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	1,655	1,974	2,701	3,531	4,304	4,129	3,943
46	1,254	1,832	2,627	3,309	4,329	4,284	3,862
47	1,363	1,703	2,513	3,102	4,258	4,377	3,828
48	1,402	1,596	2,333	2,930	4,048	4,366	3,874
49	1,174	1,503	2,113	2,778	3,748	4,279	3,964
50	1,225	1,413	1,906	2,617	3,448	4,194	4,035
51	928	1,328	1,702	2,461	3,129	4,112	4,103
52	1,059	1,238	1,525	2,284	2,844	3,953	4,111
53	772	1,137	1,392	2,076	2,628	3,692	4,026
54	747	1,030	1,291	1,852	2,456	3,367	3,875
55	706	931	1,190	1,639	2,273	3,039	3,728
56	597	836	1,094	1,426	2,091	2,690	3,577
57	594	755	1,009	1,259	1,918	2,410	3,402
58	556	694	935	1,160	1,756	2,245	3,203
59	449	648	871	1,108	1,605	2,157	2,990
60	598	605	815	1,056	1,464	2,057	2,771
61	400	564	767	1,014	1,330	1,964	2,538
62	486	531	721	971	1,222	1,861	2,346
63	361	504	676	917	1,148	1,730	2,220
64	315	483	633	857	1,097	1,586	2,137
65	405	465	595	808	1,053	1,457	2,050
66	316	453	561	767	1,018	1,336	1,973
67	295	433	528	723	975	1,231	1,873
68	266	401	497	672	913	1,147	1,729
69	201	361	468	619	840	1,078	1,561
70	291	324	440	568	775	1,011	1,406
71	158	287	414	517	712	949	1,251
72	200	259	389	478	659	893	1,130
73	201	244	364	456	619	844	1,062
74	222	239	339	444	589	800	1,028
75	199	231	315	429	557	758	986
76	162	223	292	412	525	715	942
77	163	213	269	393	494	672	897
78	155	203	247	371	462	627	850
79	124	190	226	345	429	578	795
80	144	175	205	312	393	525	729
81	90	155	184	272	355	465	649
82	98	129	164	223	312	398	551
83	113	98	144	162	264	322	431
84	99	59	125	89	210	236	285
85+	421	519	616	798	1,036	1,449	1,895
All Ages	143,855	162,568	182,174	201,940	221,249	239,696	257,067

Table A12 Projected Single Year Population (URBAN FEMALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
0	2,237	2,455	2,330	2,541	2,588	2,689	2,824
1	1,670	2,421	2,497	2,627	2,684	2,767	2,887
2	2,149	2,379	2,603	2,686	2,753	2,821	2,929
3	2,106	2,335	2,656	2,723	2,798	2,857	2,952
4	2,247	2,291	2,667	2,742	2,824	2,877	2,961
5	2,316	2,251	2,645	2,746	2,836	2,886	2,961
6	2,159	2,218	2,599	2,740	2,838	2,888	2,956
7	2,229	2,196	2,538	2,728	2,835	2,888	2,949
8	2,291	2,188	2,472	2,714	2,832	2,890	2,945
9	2,148	2,197	2,410	2,701	2,832	2,899	2,949
10	2,021	2,212	2,341	2,687	2,827	2,904	2,951
11	2,298	2,218	2,254	2,669	2,807	2,899	2,945
12	2,640	2,301	2,261	2,686	2,847	2,951	2,994
13	2,587	2,497	2,409	2,758	2,981	3,090	3,127
14	2,617	2,761	2,649	2,867	3,169	3,281	3,312
15	2,667	3,015	2,875	2,973	3,349	3,461	3,489
16	3,081	3,281	3,104	3,081	3,541	3,643	3,670
17	3,300	3,474	3,310	3,193	3,667	3,788	3,819
18	3,250	3,545	3,469	3,304	3,685	3,873	3,913
19	3,030	3,534	3,592	3,413	3,633	3,914	3,969
20	3,253	3,533	3,719	3,521	3,594	3,959	4,025
21	3,356	3,526	3,851	3,624	3,549	4,009	4,076
22	3,349	3,512	3,919	3,717	3,531	4,013	4,109
23	3,444	3,497	3,896	3,795	3,565	3,952	4,123
24	3,364	3,483	3,813	3,858	3,632	3,852	4,119
25	3,290	3,450	3,727	3,914	3,684	3,752	4,110
26	3,464	3,394	3,628	3,968	3,726	3,640	4,099
27	3,657	3,368	3,549	3,982	3,777	3,577	4,060
28	3,335	3,395	3,513	3,940	3,839	3,596	3,983
29	3,152	3,447	3,506	3,861	3,905	3,667	3,886
30	3,083	3,483	3,479	3,778	3,964	3,724	3,788
31	2,408	3,520	3,431	3,682	4,024	3,772	3,679
32	2,827	3,491	3,414	3,609	4,045	3,831	3,622
33	2,458	3,362	3,445	3,580	4,008	3,901	3,648
34	2,294	3,167	3,497	3,577	3,933	3,972	3,726
35	2,236	2,976	3,539	3,559	3,858	4,041	3,793
36	2,234	2,774	3,593	3,532	3,781	4,121	3,862
37	2,265	2,587	3,551	3,501	3,694	4,129	3,909
38	2,045	2,434	3,364	3,463	3,600	4,030	3,918
39	1,656	2,303	3,086	3,415	3,503	3,863	3,898
40	1,770	2,163	2,816	3,364	3,396	3,701	3,882
41	1,154	2,022	2,529	3,313	3,270	3,527	3,866
42	1,330	1,884	2,302	3,224	3,194	3,396	3,833
43	1,171	1,747	2,185	3,081	3,198	3,344	3,776
44	1,061	1,614	2,135	2,903	3,247	3,343	3,703

Table A12 Projected Single Year Population (URBAN FEMALE), Bhutan, 2017 - 2047

Age	2017	2022	2027	2032	2037	2042	2047
45	1,190	1,487	2,070	2,724	3,283	3,323	3,627
46	962	1,363	2,011	2,537	3,329	3,293	3,546
47	1,023	1,258	1,921	2,368	3,294	3,267	3,466
48	1,068	1,177	1,776	2,236	3,131	3,245	3,390
49	889	1,114	1,599	2,126	2,887	3,218	3,318
50	978	1,055	1,436	2,012	2,654	3,191	3,239
51	635	1,003	1,277	1,904	2,411	3,173	3,150
52	761	949	1,148	1,782	2,207	3,096	3,083
53	628	886	1,067	1,638	2,073	2,932	3,051
54	627	821	1,018	1,483	1,984	2,712	3,037
55	619	762	969	1,337	1,885	2,499	3,017
56	575	708	926	1,194	1,790	2,274	3,004
57	489	661	883	1,082	1,687	2,093	2,945
58	529	623	835	1,018	1,565	1,987	2,813
59	388	591	785	986	1,435	1,929	2,636
60	576	562	742	955	1,316	1,863	2,465
61	413	534	706	932	1,201	1,804	2,286
62	473	513	673	905	1,111	1,728	2,141
63	374	499	641	865	1,058	1,619	2,053
64	337	491	613	819	1,030	1,492	2,003
65	389	483	586	780	1,003	1,376	1,944
66	280	479	559	745	982	1,261	1,889
67	317	467	540	714	958	1,174	1,818
68	293	443	533	690	926	1,130	1,718
69	240	411	532	669	889	1,115	1,601
70	327	381	531	648	857	1,097	1,491
71	218	351	533	628	828	1,084	1,382
72	287	324	520	606	794	1,055	1,285
73	256	305	483	581	749	998	1,210
74	244	291	431	554	698	923	1,149
75	241	274	384	526	649	854	1,084
76	194	257	340	496	602	789	1,019
77	158	241	298	464	556	725	954
78	194	224	260	429	512	661	889
79	127	206	227	390	470	600	822
80	200	188	202	348	432	544	752
81	108	168	185	301	398	492	678
82	112	147	180	251	370	447	599
83	100	124	188	195	347	409	513
84	110	99	210	135	332	381	420
85+	484	605	732	953	1,234	1,785	2,295
All Ages	131,112	149,426	168,718	188,346	207,760	226,614	244,781

Table A13 Demographic Characteristics of Projected Population (RURAL), Bhutan, 2017-2047

Indicators	2017	2022	2027	2032	2037	2042	2047
Population by Broad Age-Group							
0-14	121,059	108,237	98,685	90,924	80,375	69,736	60,317
15-64	297,257	304,439	304,603	297,439	287,603	273,940	252,667
65+	33,862	38,579	43,084	48,308	54,190	59,914	69,034
15-59	280,879	287,215	285,122	275,502	263,703	244,130	220,068
60+	50,240	55,803	62,565	70,244	78,090	89,723	101,633
Broad Age-Group (Percent)							
0-14	26.77	23.99	22.11	20.82	19.04	17.28	15.79
15-64	65.74	67.46	68.24	68.12	68.13	67.88	66.14
65+	7.49	8.55	9.65	11.06	12.84	14.85	18.07
15-59	62.12	63.65	63.88	63.09	62.46	60.49	57.61
60+	11.11	12.37	14.02	16.09	18.50	22.23	26.60
Median Age (years)	26.9	29.4	31.8	34.0	36.1	38.2	40.2
Dependency Ratio							
Young (0-14)	40.7	35.6	32.4	30.6	27.9	25.5	23.9
Old (65+)	11.4	12.7	14.1	16.2	18.8	21.9	27.3
Total (Young and Old)	52.1	48.2	46.5	46.8	46.8	47.3	51.2

Table A14 Demographic Characteristics of Projected Population (URBAN), Bhutan, 2017-2047

Indicators	2017	2022	2027	2032	2037	2042	2047
Population by Broad Age-Group							
0-14	68,358	71,075	75,848	82,410	86,150	88,557	90,867
15-64	197,407	228,788	259,206	286,917	315,086	341,365	361,396
65+	9,202	12,131	15,838	20,959	27,773	36,388	49,584
15-59	193,074	223,504	252,219	277,627	303,111	323,663	338,438
60+	13,535	17,416	22,825	30,250	39,749	54,091	72,543
Broad Age-Group (Percent)							
0-14	24.86	22.78	21.62	21.12	20.08	18.99	18.11
15-64	71.79	73.33	73.87	73.51	73.45	73.21	72.01
65+	3.35	3.89	4.51	5.37	6.47	7.80	9.88
15-59	70.22	71.64	71.88	71.13	70.65	69.41	67.44
60+	4.92	5.58	6.50	7.75	9.27	11.60	14.46
Median Age (years)	26.9	29.4	31.8	34.0	36.1	38.2	40.2
Dependency Ratio							
Young (0-14)	34.6	31.1	29.3	28.7	27.3	25.9	25.1
Old (65+)	4.7	5.3	6.1	7.3	8.8	10.7	13.7
Total (Young and Old)	39.3	36.4	35.4	36.0	36.2	36.6	38.9

Table A15 Projected Population 0 – 18 years by Sex, (Rural Areas), Bhutan, 2022-2047

Age	2022 Male	Female	Total	2027 Male	Female	Total	2032 Male	Female	Total
0	3,879	3,892	7,771	3,085	3,137	6,222	2,833	2,879	5,711
1	3,647	3,633	7,280	3,192	3,190	6,382	2,837	2,834	5,671
2	3,489	3,452	6,940	3,278	3,234	6,512	2,862	2,820	5,682
3	3,395	3,338	6,733	3,344	3,269	6,613	2,903	2,832	5,735
4	3,358	3,281	6,639	3,392	3,295	6,687	2,956	2,863	5,820
5	3,367	3,274	6,641	3,424	3,312	6,737	3,017	2,908	5,925
6	3,413	3,305	6,718	3,441	3,321	6,762	3,080	2,961	6,041
7	3,487	3,366	6,853	3,445	3,321	6,766	3,141	3,016	6,156
8	3,580	3,447	7,027	3,437	3,313	6,750	3,195	3,067	6,262
9	3,682	3,539	7,221	3,419	3,296	6,716	3,238	3,110	6,347
10	3,799	3,648	7,447	3,394	3,276	6,671	3,281	3,155	6,437
11	3,938	3,778	7,716	3,365	3,258	6,623	3,337	3,217	6,554
12	4,012	3,846	7,858	3,326	3,217	6,543	3,319	3,197	6,516
13	3,982	3,813	7,795	3,278	3,144	6,422	3,188	3,054	6,241
14	3,884	3,715	7,598	3,225	3,054	6,279	2,990	2,835	5,825
15	3,802	3,628	7,431	3,173	2,967	6,140	2,803	2,631	5,434
16	3,730	3,544	7,274	3,118	2,875	5,994	2,607	2,419	5,026
17	3,649	3,458	7,107	3,083	2,820	5,903	2,476	2,273	4,749
18	3,565	3,378	6,943	3,080	2,821	5,901	2,453	2,236	4,690
0 – 18 Years	69,656	67,336	136,992	62,501	60,122	122,623	56,515	54,307	110,822
6 – 18 Years	48,522	46,465	94,987	42,786	40,685	83,471	39,107	37,171	76,278

Age	2037 Male	Female	Total	2042 Male	Female	Total	2047 Male	Female	Total
0	2,444	2,495	4,939	2,140	2,194	4,335	1,882	1,946	3,827
1	2,447	2,451	4,898	2,125	2,137	4,263	1,863	1,887	3,750
2	2,471	2,438	4,909	2,134	2,112	4,246	1,865	1,857	3,722
3	2,513	2,450	4,963	2,161	2,113	4,274	1,883	1,851	3,733
4	2,567	2,483	5,050	2,203	2,136	4,339	1,913	1,864	3,777
5	2,629	2,530	5,160	2,256	2,175	4,432	1,954	1,891	3,845
6	2,696	2,587	5,284	2,316	2,225	4,541	2,000	1,929	3,929
7	2,763	2,648	5,411	2,378	2,282	4,659	2,049	1,972	4,021
8	2,826	2,708	5,534	2,438	2,338	4,776	2,096	2,017	4,113
9	2,880	2,761	5,640	2,492	2,391	4,883	2,138	2,059	4,197
10	2,932	2,815	5,746	2,547	2,446	4,993	2,182	2,104	4,286
11	2,989	2,878	5,867	2,609	2,513	5,122	2,233	2,160	4,392
12	2,991	2,878	5,869	2,619	2,521	5,140	2,240	2,164	4,404
13	2,912	2,783	5,695	2,553	2,440	4,992	2,180	2,091	4,271
14	2,780	2,628	5,409	2,437	2,303	4,740	2,078	1,970	4,048
15	2,655	2,482	5,138	2,326	2,172	4,498	1,983	1,856	3,838
16	2,529	2,334	4,864	2,208	2,035	4,243	1,882	1,737	3,619
17	2,415	2,206	4,621	2,117	1,930	4,047	1,806	1,647	3,453
18	2,327	2,116	4,443	2,075	1,882	3,957	1,773	1,610	3,383
0 – 18 Years	50,768	48,673	99,441	44,134	42,347	86,481	37,999	36,612	74,610
6 – 18 Years	35,696	33,826	69,522	31,114	29,478	60,592	26,640	25,316	51,955

Table A16 Projected Population 0 – 18 years by Sex, (Urban Areas), Bhutan, 2017-2047

Age	2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0	2,711	2,455	5,166	2,564	2,330	4,894	2,768	2,541	5,310
1	2,604	2,421	5,025	2,678	2,497	5,175	2,803	2,627	5,431
2	2,508	2,379	4,888	2,742	2,603	5,344	2,822	2,686	5,509
3	2,425	2,335	4,760	2,763	2,656	5,419	2,828	2,723	5,551
4	2,355	2,291	4,646	2,749	2,667	5,416	2,823	2,742	5,565
5	2,300	2,251	4,551	2,710	2,645	5,354	2,811	2,746	5,557
6	2,261	2,218	4,479	2,652	2,599	5,250	2,795	2,740	5,535
7	2,239	2,196	4,435	2,584	2,538	5,122	2,776	2,728	5,504
8	2,236	2,188	4,424	2,515	2,472	4,986	2,759	2,714	5,472
9	2,252	2,197	4,449	2,452	2,410	4,861	2,745	2,701	5,446
10	2,277	2,212	4,489	2,384	2,341	4,725	2,734	2,687	5,421
11	2,303	2,218	4,521	2,302	2,254	4,556	2,722	2,669	5,391
12	2,384	2,301	4,685	2,307	2,261	4,568	2,737	2,686	5,424
13	2,545	2,497	5,042	2,446	2,409	4,856	2,793	2,758	5,551
14	2,752	2,761	5,513	2,671	2,649	5,320	2,877	2,867	5,743
15	2,959	3,015	5,975	2,883	2,875	5,759	2,960	2,973	5,933
16	3,184	3,281	6,465	3,101	3,104	6,205	3,043	3,081	6,125
17	3,343	3,474	6,817	3,289	3,310	6,599	3,140	3,193	6,333
18	3,395	3,545	6,940	3,419	3,469	6,888	3,250	3,304	6,554
0 – 18 Years	49,035	48,236	97,271	51,211	50,088	101,299	54,186	53,168	107,355
6 – 18 Years	34,132	34,103	68,235	35,006	34,690	69,696	37,329	37,102	74,431

Age	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0	2,809	2,588	5,398	2,913	2,689	5,602	3,053	2,824	5,877
1	2,858	2,684	5,542	2,944	2,767	5,711	3,074	2,887	5,961
2	2,888	2,753	5,641	2,962	2,821	5,784	3,081	2,929	6,009
3	2,904	2,798	5,702	2,969	2,857	5,826	3,078	2,952	6,030
4	2,909	2,824	5,733	2,969	2,877	5,845	3,068	2,961	6,030
5	2,906	2,836	5,742	2,964	2,886	5,850	3,054	2,961	6,016
6	2,899	2,838	5,737	2,957	2,888	5,846	3,040	2,956	5,996
7	2,890	2,835	5,726	2,953	2,888	5,841	3,029	2,949	5,978
8	2,884	2,832	5,716	2,953	2,890	5,844	3,022	2,945	5,968
9	2,884	2,832	5,717	2,961	2,899	5,860	3,025	2,949	5,974
10	2,882	2,827	5,709	2,970	2,904	5,874	3,030	2,951	5,981
11	2,868	2,807	5,675	2,971	2,899	5,870	3,029	2,945	5,974
12	2,906	2,847	5,753	3,022	2,951	5,973	3,078	2,994	6,072
13	3,023	2,981	6,003	3,146	3,090	6,236	3,198	3,127	6,326
14	3,187	3,169	6,356	3,315	3,281	6,596	3,364	3,312	6,676
15	3,344	3,349	6,694	3,475	3,461	6,936	3,524	3,489	7,013
16	3,514	3,541	7,055	3,636	3,643	7,278	3,687	3,670	7,357
17	3,623	3,667	7,291	3,766	3,788	7,554	3,823	3,819	7,642
18	3,634	3,685	7,319	3,843	3,873	7,717	3,912	3,913	7,825
0 – 18 Years	57,814	56,694	114,508	59,688	58,354	118,042	61,170	59,534	120,704
6 – 18 Years	40,539	40,212	80,750	41,967	41,457	83,424	42,762	42,019	84,781

Table A17 Selected School Going Age Population by Sex, (Rural Areas), Bhutan, 2022-2047

School Going Age Group	2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	10,120	9,893	20,013	10,161	9,876	20,037	8,876	8,603	17,480
6 – 12	25,910	24,929	50,839	23,828	23,003	46,831	22,591	21,723	44,314
13 – 16	15,397	14,700	30,097	12,795	12,041	24,835	11,587	10,939	22,526
17 – 18	7,214	6,836	14,050	6,163	5,641	11,804	4,929	4,509	9,438
19 – 22	13,535	12,822	26,357	12,552	11,682	24,234	10,280	9,300	19,580

School Going Age Group	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	7,709	7,464	15,172	6,621	6,425	13,045	5,750	5,606	11,355
6 – 12	20,077	19,275	39,352	17,399	16,717	34,115	14,937	14,405	29,342
13 – 16	10,877	10,229	21,106	9,524	8,950	18,473	8,123	7,653	15,776
17 – 18	4,743	4,322	9,065	4,192	3,812	8,004	3,579	3,257	6,836
19 – 22	8,690	7,903	16,593	8,191	7,431	15,622	7,042	6,394	13,436

Table A18 Selected School Going Age Population by Sex, (Urban Areas), Bhutan, 2022-2047

School Going Age Group	2022			2027			2032		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	7,081	6,877	13,958	8,221	7,969	16,190	8,463	8,211	16,674
6 – 12	15,953	15,530	31,483	17,196	16,873	34,069	19,267	18,925	38,192
13 – 16	11,440	11,555	22,995	11,102	11,037	22,139	11,673	11,679	23,352
17 – 18	6,738	7,019	13,757	6,708	6,779	13,487	6,390	6,498	12,887
19 – 22	13,484	14,105	27,589	14,583	15,080	29,663	14,133	14,275	28,408

School Going Age Group	2037			2042			2047		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
3-5	8,720	8,457	17,177	8,902	8,619	17,521	9,200	8,875	18,075
6 – 12	20,213	19,819	40,032	20,787	20,320	41,108	21,253	20,689	41,942
13 – 16	13,068	13,041	26,109	13,571	13,475	27,046	13,774	13,598	27,371
17 – 18	7,258	7,352	14,610	7,609	7,662	15,271	7,735	7,732	15,467
19 – 22	14,099	14,307	28,407	15,760	15,896	31,656	16,153	16,179	32,333