

LIBERIA INSTITUTE OF STATISTICS AND GEO-INFORMATION SERVICES





Thematic Report on Population Projections

2022 Liberia Population and Housing Census





















Dear Reader,

I am pleased to present this document as a highlight summary of the upcoming Thematic Report on Population Projections from the 2022 Liberia Population and Housing Census (LPHC). This summary offers a snapshot of the key findings and insights that will be detailed in the final report.

Please note that the full report is currently undergoing finalization, which includes comprehensive editing, formatting, graphic designing, and proofreading. The finalized version will replace this document once it is completed.

We appreciate your patience and look forward to sharing the complete report with you soon.

Best regards,

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Outline

- ►> Introduction and Background Context
- ►> National Level Population Projection
- ⇒ Urban and Rural Population Projections
- ⇒ County Population Projection
- Sectoral Projections
- ⇒ Conclusion, policy implications and recommendation





- The future trends in the size and composition of the population of any country are key in the planning of developmental policies. Population projections are key features of many planning policy studies. Understanding population patterns, trends and anticipating changes in population dynamics are key for national development planning,
- Data to support planning, implementation, monitoring and reporting on national and global goals such as the ARREST agenda, the AU Agenda 2063 ("the Africa we want") and the 2030 Agenda for Sustainable Development Goals. Liberia is ranked 120th at the global level and 38th in Africa in terms of population size.

Population projections and SDGs

GOAL 1: NO POVERTY - High fertility rates can trap countries in poverty. Extreme poverty due to population growth eclipse economic growth in the poorest nations.

GOAL 2: ZERO HUNGER - Sustained population growth GOAL 3: GOOD HEALTH AND WELL-BEING -Funding for healthcare systems and the pressure of growing

- populations.
- unrest.
- **GOAL** 9: everyone
- GOAL 11: **COMMUNITIES**

GOAL 8: DECENT WORK AND ECONOMIC GROWTH - A high number of young dependents makes economic prosperity almost impossible and is also a recipe for social

INDUSTRY, AND INNOVATION INFRASTRUCTURE – Population growth and providing access to modern infrastructure and technologies to

> CITIES **SUSTAINABLE** AND





- □ Population size The primary interest in the use of population projections is in the total size of the population.
- Population size data serves to determine the density in terms of occupation of expected pressure on the available surface area.
- Population size serves as an important denominator of many frequently used indicators
- The urban-rural dimensions The place of residence (urban or rural) has always been an important dimension of a population as more

times

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countries are becoming urbanized in recent

□ Age and Sex Composition and structure of the population – To provide population projections to cover different segment of the population.

Derived population – Generating information on derived population will essentially enable appraisal of specific needs for future planning at sectoral level in terms of needs for school, health, housing and other infrastructure and related human resources and funding.



- The main source of data for this report is the 2022 Liberia Population and Housing Census and previous censuses
- Conduct data evaluation exercise to assess data quality issues
- Establish end of population projections period
- Determine population projection tools DemProj module of SPECTRUM
- Build projections around component method
- Development of fertility, mortality and migration assumptions
- Generate tables
- Provide descriptions to tables and charts

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The cohort-component approach was used in the population projections

- It includes assumptions on the future evolution of the fertility, mortality and migration components of population dynamics
- The DemProj module of the SPECTRUM application was used in projecting the national and ruralurban population.
- A program to make population projections based on the current population,
 - fertility,
 - mortality
 - migration
- The projections period for both the national and urban-rural was 2022 to 2065 with the reason of provide data to cover national priorities, African Union Agenda 2063 and the SDGs.



Base population data – 2022

| Age | Male | Female |
|---------|-----------|-----------|
| 0-4 | 271,732 | 278,220 |
| 5-9 | 305,694 | 308,910 |
| 10-14 | 316,719 | 315,903 |
| 15 - 19 | 315,619 | 322,844 |
| 20 - 24 | 293,896 | 305,640 |
| 25 - 29 | 213,502 | 227,432 |
| 30 - 34 | 219,223 | 218,837 |
| 35 - 39 | 170,298 | 167,434 |
| 40 - 44 | 170,868 | 140,960 |
| 45 - 49 | 100,206 | 85,783 |
| 50 - 54 | 95,866 | 78,708 |
| 55 - 59 | 48,307 | 40,942 |
| 60 - 64 | 47,888 | 41,159 |
| 65 - 69 | 26,288 | 22,497 |
| 70 - 74 | 21,094 | 20,341 |
| 75 - 79 | 9,611 | 9,888 |
| 80+ | 17,216 | 20,662 |
| Total | 2,644,027 | 2,606,160 |

| Total | |
|-----------|--|
| 549,952 | |
| 614,604 | |
| 632,622 | |
| 638,463 | |
| 599,536 | |
| 440,934 | |
| 438,060 | |
| 337,732 | |
| 311,828 | |
| 185,989 | |
| 174,574 | |
| 89,249 | |
| 89,047 | |
| 48,785 | |
| 41,435 | |
| 19,499 | |
| 37,878 | |
| 5,250,187 | |



Liberia Fertility Trends (1982-2022)



2022 LPHC | THEMATIC REPORT | Population Projections

The TFR for Liberia between the period of 1984 and 2022 from the various PHCs, LDHS, MIS indicates gradual downward trend. Fertility rate dropped from 6.9 in 1984 to 5.8 in 2008 and it further declined to a lowest of 3.9 in 2022.

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| Year | Low Variant | Medium Variant | High Variant |
|------|-------------|----------------|--------------|
| 2022 | 3.90 | 3.90 | 3.90 |
| 2025 | 3.78 | 3.85 | 3.90 |
| 2030 | 3.58 | 3.75 | 3.90 |
| 2035 | 3.37 | 3.66 | 3.90 |
| 2040 | 3.17 | 3.57 | 3.90 |
| 2045 | 2.97 | 3.48 | 3.90 |
| 2050 | 2.77 | 3.39 | 3.90 |
| 2055 | 2.56 | 3.30 | 3.90 |
| 2060 | 2.36 | 3.21 | 3.90 |
| 2065 | 2.16 | 3.12 | 3.90 |

Low variant assumption shows that TFR will decline from 3.9 children per woman in 2022 to 2.1 in 2065. Based on the assumption that the TFR target of 2.5 by 2020 set in the Revised Liberia Population Policy of 2005 had been achieved.

Medium variant assumption it is estimated that based on the pragmatic intervention programme management adopted by the Government of Liberia, TFR will drop from 3.9 children per woman in 2022 to 3.12 children in 2065.

The target set for TFR may not be achieved. High variant assumption that TFR will remain high at a constant rate of 3.9 children per woman throughout the period of 2022 and 2065



- □ Accurate and reliable information about a country's population is key to determining its size, age, sex, composition, residence, education, economic activity status and other attributes
- □ Very useful for policy formulation and evidence-based decision-making
- Evaluation of data in any demographic analysis such as population projections is very crucial.

Population Distribution by Age and Sex





□ The data depict irregularities and the normal patterns of steady and gradual declines not observed













There is an evidence of transitioning of the population from children to young people as result of demographic transition with a significant decline of fertility as presented by the population of Code D'Ivoire between 1998 and 2021.



Results: Projected population by variants, 2022 - 2065

| Year | Low variant | Medium variant | Hig |
|-------|-------------|----------------|-----|
| 2022* | 5,250,187 | 5,250,187 | 5, |
| 2027 | 5,877,566 | 5,896,851 | 5, |
| 2032 | 6,542,593 | 6,618,852 | 6, |
| 2037 | 7,178,920 | 7,356,092 | 7, |
| 2042 | 7,743,991 | 8,064,012 | 8, |
| 2047 | 8,271,643 | 8,792,431 | 9, |
| 2052 | 8,805,201 | 9,621,423 | 10 |
| 2057 | 9,310,779 | 10,540,409 | 11 |
| 2062 | 9,724,035 | 11,484,068 | 13 |
| 2065 | 9,917,187 | 12,051,182 | 14 |

2022 LPHC | THEMATIC REPORT | Population Projections

gh variant

,250,187

,920,178

,697,879

,526,048

,360,788

,268,416

),365,544

,671,136

8,131,693

4,078,162

Medium variant: 1.4 million people to be in the population in a decade (2022-2032); 2.8 million in 2042 and by 4.4 million in 2052.

Low variant: Population will increase from 5.3 million in 2022 to 6.5 million in 2032, then to 7.7 million in 2042.

<u>High variant:</u> The population will grow to 6.7 million and 8.3 million by 2032 and 2042, respectively.

In 2052, the population will grow to 10.4 million and with further growth to 14.1 million by 2065.



Population Structure: Population Pyramid by age of 2008 & 2022



Population Pyramid of 2008

2022 LPHC | THEMATIC REPORT | Population Projections

Population Pyramid of 2022

2008: Pyramid showed population size which depicted a broad-based population

2022: In contrast, population 0-9 years is different as there was a shrank in the number of new born.



Population Structure: Respective Pyramid of 2032 and 2060

Population Pyramid of 2032

Population Pyramid of 2062



2022 LPHC | THEMATIC REPORT | Population Projections

The shrank in the 2022 population of new born will continue to be reflected as that cohort moves up the age ladder as indicated in the pyramids of respective 2032 and 2062 projected populations.

Dependency Ratio (reported)



| | The relationship between the populations 0-14 years and 65 years and older and the population 15-64 years constitute age dependency measured per 100 population |
|------|---|
| 67.0 | Projected that age-dependency ratios will increase from 58.8 percent in 2022 to 67.0 by 2065. |
| | The low age dependency ratio in 2022 may be attributed to: population going through transition under reporting of the population of 0-4 years and 5-9 years in 2022 increase in the proportion of the elderly population |
| 5 | It is projected that age-dependency ratio will increase gradually between 2027 and 2065 and this is attributed to the increase in the proportion of the elderly population |



Adolescent Population (10-19 Years)

| Year | Both sexes | Males | Females | Sex ratio | The adolescent population (10-19 years) is projected as |
|-------|-------------------|-----------|-----------|-----------|--|
| 2022* | 1,271,083 | 632,337 | 638,746 | 99.0 | 2,525,456 persons in 2065 about 2 times higher than that of 2022 (1,265,456) |
| 2032 | 1,121,490 | 553,146 | 568,344 | 97.3 | Across the years, there are more adolescent females population than males |
| 2042 | 1,688,726 | 839,575 | 849,151 | 98.9 | This segment of the population are about to enter |
| 2052 | 1,862,697 | 926,221 | 936,476 | 98.9 | or are already in their prime reproductive years, which may lead to large numbers of birth even when fertility is |
| 2062 | 2,105,589 | 1,048,025 | 1,057,564 | 99.1 | low. |



Youth Population (15-24 Years)

| Year | Both sexes | Male | Female |
|-------|-------------------|---------|---------|
| 2022* | 1,237,999 | 609,515 | 628,484 |
| 2032 | 1,213,322 | 602,766 | 610,556 |
| 2042 | 1,302,106 | 642,215 | 659,892 |
| 2052 | 1,803,402 | 894,177 | 909,225 |
| 2062 | 1,897,292 | 941,344 | 955,947 |

2022 LPHC | THEMATIC REPORT | Population Projections

| Sex ratio 97.0 | The p (15-2 abou prote milli (2042 |
|-------------------|---|
| 98.7 | 1 1 1 |
| 97.3 | j |
| 98.3 | The the |
| 98.5 | indic fema |

The population of the youth (15-24 years) in 2022 is about 1.2 million and it is protected to reach 1.3 million in the next 20 years (2042),

- to a peak of about 2.0 million in 2065.
- Between 2022 and 2065 projected to increase by 37.9 percent.
- The increasing population of youth will continue to stretch the available resources

The overall sex ratio across the years (2022-2065) indicates that there more females than males.

Elderly population, 65 years and older (percent)



2022 LPHC | THEMATIC REPORT | Population Projections

The elderly population (65+) will grow 2.4 times between 2022 (2,8%) and 2062 (7.1%)

The high growth among the elderly population may be due to improvement in health care and increase in life expectancy

Urban and rural population projection assumptions

- □ Sub-national population projections are key to stakeholders in the provision of data to quantify likely needs, allocate resources across different geographical locations and specific segment of the population.
- The DEMPROJ model of the SPECTRUM application which offers the United Nations urban-rural growth differentials (URGD) method was applied as described in MANUAL VIII Methods for Projections of Rural and Urban Populations.
- □ It is based on the difference between urban and rural population growth rates and its logistic transformation (United Nations, 1974).
- □ The UN Method of URGD requires the following input data:
 - Base year urban population (2022)
 - Base year rural population (2022)
 - Urban population growth rate (2008-2022)
 - Rural population growth rate (2008-2022)
 - Urban-rural growth rate difference



Urban and Rural Population (percent change)



Note: * Means Census Years

2022 LPHC | THEMATIC REPORT | Population Projections



Share of urban population

- In 1974 29.0 percent
- Increase to 46.8 percent in 2008
- In 2022, first time more than half (54.5%) live in urban areas
- Projected to increase to 57.6 percent in 2032
- By 2065, urban population expected to increase to 62.5 percent



Development of County Assumptions

| | Populatio | on | Population share | | |
|------------------|-----------|-----------|------------------|-------|--|
| County | 2008 | 2022 | 2008 | 2022 | |
| Liberia | 3,489,072 | 5,250,187 | 100.0 | 100.0 | |
| Bomi | 82,036 | 133,705 | 2.4 | 2.5 | |
| Bong | 328,919 | 467,561 | 9.4 | 8.9 | |
| Gbarpolu | 83,758 | 95,995 | 2.4 | 1.8 | |
| Grand Bassa | 224,839 | 293,689 | 6.4 | 5.6 | |
| Grand Cape Mount | 129,055 | 178,867 | 3.7 | 3.4 | |
| Grand Gedeh | 126,146 | 216,692 | 3.6 | 4.1 | |
| Grand Kru | 57,106 | 109,342 | 1.6 | 2.1 | |
| Lofa | 270,114 | 367,376 | 7.7 | 7.0 | |
| Margibi | 199,689 | 304,946 | 5.7 | 5.8 | |
| Maryland | 136,404 | 172,587 | 3.9 | 3.3 | |
| Montserrado | 1,144,806 | 1,920,965 | 32.8 | 36.6 | |
| Nimba | 468,088 | 621,841 | 13.4 | 11.8 | |
| River Cess | 65,862 | 90,819 | 1.9 | 1.7 | |
| River Gee | 67,318 | 124,653 | 1.9 | 2.4 | |
| Sinoe | 104,932 | 151,149 | 3.0 | 2.9 | |

2022 LPHC | THEMATIC REPORT | Population Projections The method used in projecting the counties is based on the shift-share method

• i.e. the population share of each of the sixteen counties to the total population of Liberia.

Considerations made for county shares in 2008 and 2022.

The shift-share method allows for changes in population shares of the smaller areas over time. level



Projected Population by County

| County | | Num | ber | | | Percent | t | | |
|----------------------|-----------|-----------|-----------|-----------|-------|---------|-------|-------|--|
| | 2022 | 2027 | 2032 | 2035 | 2022 | 2027 | 2032 | 2035 | More than a third October 1 and |
| Total Country | 5,250,187 | 5,896,852 | 6,618,845 | 7,062,889 | 100.0 | 100.0 | 100.0 | 100.0 | (36.6%) of the population |
| Bomi | 133,705 | 151,785 | 171,970 | 184,385 | 2.5 | 2.6 | 2.6 | 2.6 | (1,920,965) OI Liberia |
| Bong | 467,561 | 516,448 | 571,030 | 604,599 | 8.9 | 8.8 | 8.6 | 8.6 | The second highest |
| Gbarpolu | 95,995 | 100,592 | 105,724 | 108,880 | 1.8 | 1.7 | 1.6 | 1.5 | population is Nimba |
| Grand Bassa | 293,689 | 319,939 | 349,248 | 367,273 | 5.6 | 5.4 | 5.3 | 5.2 | (621,841) and Bong |
| Grand Cape Mount | 178,867 | 197,750 | 218,834 | 231,800 | 3.4 | 3.4 | 3.3 | 3.3 | (467,561) is the third |
| Grand Gedeh | 216,692 | 250,030 | 287,251 | 310,143 | 4.1 | 4.2 | 4.3 | 4.4 | highest. |
| Grand Kru | 109,342 | 128,093 | 149,029 | 161,906 | 2.1 | 2.2 | 2.3 | 2.3 | The bulk of the |
| Lofa | 367,376 | 400,378 | 437,224 | 459,886 | 7.0 | 6.8 | 6.6 | 6.5 | population will continue |
| Margibi | 304,946 | 339,592 | 378,275 | 402,065 | 5.8 | 5.8 | 5.7 | 5.7 | to be concentrated in |
| Maryland | 172,587 | 185,950 | 200,869 | 210,044 | 3.3 | 3.2 | 3.0 | 3.0 | Montserrado (2,742,396), |
| Montserrado | 1,920,965 | 2,213,646 | 2,540,421 | 2,741,396 | 36.6 | 37.5 | 38.4 | 38.8 | Nimba (785,181) and |
| Nimba | 621,841 | 680,111 | 745,169 | 785,181 | 11.8 | 11.5 | 11.3 | 11.1 | Bong (604,599) through |
| River Cess | 90,819 | 97,860 | 105,720 | 110,555 | 1.7 | 1.7 | 1.6 | 1.6 | to 2065. |
| River Gee | 124,653 | 145,751 | 169,306 | 183,793 | 2.4 | 2.5 | 2.6 | 2.6 | |
| Sinoe | 151,149 | 168,927 | 188,775 | 200,983 | 2.9 | 2.9 | 2.9 | 2.8 | |



| Future doctors | | | Additional future doctors required | | | |
|-----------------------|-----|--------|------------------------------------|-------------|----------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 295 | 295 | 295 | - | - | - |
| 2027 | 330 | 331 | 333 | 35 | 36 | 38 |
| 2032 | 368 | 372 | 376 | 73 | 77 | 81 |
| 2037 | 403 | 413 | 423 | 108 | 118 | 128 |
| 2042 | 435 | 453 | 470 | 140 | 158 | 175 |



| | F | Projected Doctors | New doctors required after 2022 | | | | |
|-------|-----|-------------------|---------------------------------|-------------|----------------|--------------|--|
| Year | Low | Medium | High | Low variant | Medium variant | High variant | |
| 2022* | 525 | 525 | 525 | 230 | 230 | 230 | |
| 2027 | 588 | 590 | 592 | 293 | 295 | 297 | |
| 2032 | 654 | 662 | 670 | 359 | 367 | 375 | |
| 2037 | 718 | 736 | 753 | 423 | 441 | 458 | |
| 2042 | 774 | 806 | 836 | 479 | 511 | 541 | |



| | Projected Nurses | | | New nurses required as of 2022 | | | |
|-------|-------------------------|--------|-------|--------------------------------|----------------|--------------|--|
| Year | Low | Medium | High | Low variant | Medium variant | High variant | |
| 2022* | 3,201 | 3,201 | 3,201 | - | - | - | |
| 2027 | 3,584 | 3,595 | 3,609 | 383 | 394 | 408 | |
| 2032 | 3,989 | 4,035 | 4,084 | 788 | 834 | 883 | |
| 2037 | 4,377 | 4,485 | 4,589 | 1,176 | 1,284 | 1,388 | |
| 2042 | 4,721 | 4,917 | 5,098 | 1,520 | 1,716 | 1,897 | |



| | | Requirement | | New Nurses required from 2022 | | |
|-------|-------|-------------|-------|-------------------------------|-------------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 1,050 | 1,050 | 1,050 | (2,151) | (2,151) | (2,151) |
| 2027 | 1,176 | 1,179 | 1,184 | (2,025) | (2,022) | (2,017) |
| 2032 | 1,309 | 1,324 | 1,340 | (1,892) | (1,877) | (1,861) |
| 2037 | 1,436 | 1,471 | 1,505 | (1,765) | (1,730) | (1,696) |
| 2042 | 1,549 | 1,613 | 1,672 | (1,652) | (1,588) | (1,529) |



| | Projected hospitals | | | Difference in hospital required from 2022 | | |
|-------|----------------------------|--------|------|--|----------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 39 | 39 | 39 | _ | _ | _ |
| 2027 | 44 | 44 | 44 | 5 | 5 | 5 |
| 2032 | 49 | 49 | 50 | 10 | 10 | 11 |
| 2037 | 53 | 55 | 56 | 14 | 16 | 17 |
| 2042 | 58 | 60 | 62 | 19 | 21 | 23 |



| Year | Projected hospitals | | | Difference in hospital required from 2022 | | |
|-------|----------------------------|--------|------|--|----------------|--------------|
| | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 53 | 53 | 53 | 14 | 14 | 14 |
| 2027 | 59 | 59 | 59 | 20 | 20 | 20 |
| 2032 | 65 | 66 | 67 | 26 | 27 | 28 |
| 2037 | 72 | 74 | 75 | 33 | 35 | 36 |
| 2042 | 77 | 81 | 84 | 38 | 42 | 45 |

| | Projected health centers | | | Difference in health centers required from 2022 | | |
|-------|---------------------------------|--------|------|--|-------------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 71 | 71 | 71 | - | - | - |
| 2027 | 79 | 80 | 80 | 8 | 9 | 9 |
| 2032 | 88 | 90 | 91 | 17 | 19 | 20 |
| 2037 | 97 | 99 | 102 | 26 | 28 | 31 |
| 2042 | 105 | 109 | 113 | 34 | 38 | 42 |

| | Projected health centers | | | Difference in health centers required from 2022 | | |
|-------|---------------------------------|--------|------|--|-------------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 105 | 105 | 105 | 34 | 34 | 34 |
| 2027 | 118 | 118 | 118 | 47 | 47 | 47 |
| 2032 | 131 | 132 | 134 | 60 | 61 | 63 |
| 2037 | 144 | 147 | 151 | 73 | 76 | 80 |
| 2042 | 155 | 161 | 167 | 84 | 90 | 96 |



| | ł | Projected clinics | | | | | |
|-------|-------|--------------------------|-------|---------|--|--|--|
| Year | Low | Medium | High | Low var | | | |
| 2022* | 724 | 724 | 724 | - | | | |
| 2027 | 811 | 813 | 816 | 87 | | | |
| 2032 | 902 | 913 | 924 | 178 | | | |
| 2037 | 990 | 1,014 | 1,038 | 266 | | | |
| 2042 | 1,068 | 1,112 | 1,153 | 344 | | | |





| | Pro | jected primary stuc | lents | New primary students enrollment from 2022 | | |
|-------|-----------|---------------------|-----------|---|----------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 1,150,254 | 1,150,254 | 1,150,254 | _ | _ | _ |
| 2027 | 1,287,705 | 1,291,930 | 1,297,041 | 137,451 | 141,676 | 146,787 |
| 2032 | 1,433,405 | 1,450,112 | 1,467,426 | 283,151 | 299,858 | 317,172 |
| 2037 | 1,572,817 | 1,611,633 | 1,648,868 | 422,563 | 461,379 | 498,614 |
| 2042 | 1,696,617 | 1,766,730 | 1,831,750 | 546,363 | 616,476 | 681,496 |



| Year | Projected primary school teachers | | | New primary school teachers' required from 2022 | | |
|-------|--|--------|--------|---|----------------|--------------|
| | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 47,453 | 47,453 | 47,453 | _ | _ | _ |
| 2027 | 53,123 | 53,298 | 53,509 | 5,670 | 5,845 | 6,056 |
| 2032 | 59,134 | 59,823 | 60,538 | 11,681 | 12,370 | 13,085 |
| 2037 | 64,886 | 66,487 | 68,023 | 17,433 | 19,034 | 20,570 |
| 2042 | 69,993 | 72,885 | 75,568 | 22,540 | 25,432 | 28,115 |



Future Agriculture household up to 2042

| | Requirement | | | New agriculture households as of 2022 | | |
|-----------------------|-------------|---------|---------|---------------------------------------|---------|---------|
| Year | Low | Medium | High | Low | Medium | High |
| Agricultural househo | olds | | | | | |
| 2022* | 359,075 | 359,075 | 359,075 | - | - | - |
| 2027 | 401,983 | 403,302 | 404,898 | 42,908 | 44,227 | 45,823 |
| 2032 | 447,466 | 452,682 | 458,087 | 88,391 | 93,607 | 99,012 |
| 2037 | 490,986 | 503,104 | 514,728 | 131,911 | 144,029 | 155,653 |
| 2042 | 529,633 | 551,520 | 571,818 | 170,558 | 192,445 | 212,743 |
| Urban agricultural h | ouseholds | | | | | |
| 2022* | 76,224 | 76,224 | 76,224 | - | - | - |
| 2027 | 85,333 | 85,612 | 85,951 | 9,109 | 9,388 | 9,727 |
| 2032 | 94,988 | 96,095 | 97,242 | 18,764 | 19,871 | 21,018 |
| 2037 | 104,226 | 106,798 | 109,266 | 28,002 | 30,574 | 33,042 |
| 2042 | 112,430 | 117,076 | 121,385 | 36,206 | 40,852 | 45,161 |
| Rural agricultural he | ouseholds | | | | | |
| 2022* | 282,851 | 282,851 | 282,851 | - | - | - |
| 2027 | 316,651 | 317,690 | 318,946 | 33,800 | 34,839 | 36,095 |
| 2032 | 352,479 | 356,587 | 360,845 | 69,628 | 73,736 | 77,994 |
| 2037 | 386,760 | 396,305 | 405,462 | 103,909 | 113,454 | 122,611 |
| 2042 | 417,203 | 434,444 | 450,433 | 134,352 | 151,593 | 167,582 |



| Year | Projected Agric household members | | | New Agric household members as of 2022 | | |
|-------|--|-----------|-----------|--|----------------|--------------|
| | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 1,789,736 | 1,789,736 | 1,789,736 | - | - | - |
| 2027 | 2,003,603 | 2,010,177 | 2,018,129 | 213,867 | 220,441 | 228,393 |
| 2032 | 2,230,304 | 2,256,300 | 2,283,240 | 440,568 | 466,564 | 493,504 |
| 2037 | 2,447,222 | 2,507,618 | 2,565,554 | 657,486 | 717,882 | 775,818 |
| 2042 | 2,639,849 | 2,748,941 | 2,850,109 | 850,113 | 959,205 | 1,060,373 |



| | Future Labor Force | | | Difference in labor force requirement from 2022 | | |
|-------|--------------------|-----------|-----------|---|----------------|--------------|
| Year | Low | Medium | High | Low variant | Medium variant | High variant |
| 2022* | 1,984,701 | 1,984,701 | 1,984,701 | - | _ | _ |
| 2027 | 2,221,866 | 2,229,156 | 2,237,974 | 237,165 | 244,455 | 253,273 |
| 2032 | 2,473,263 | 2,502,090 | 2,531,965 | 488,562 | 517,389 | 547,264 |
| 2037 | 2,713,810 | 2,780,785 | 2,845,033 | 729,109 | 796,084 | 860,332 |
| 2042 | 2,927,421 | 3,048,397 | 3,160,585 | 942,720 | 1,063,696 | 1,175,884 |



- □ Results of the 2022 Liberian Population and Housing Census which indicates that compared with past censuses the population size has drastically changed. As a result of high fertility and the youthful nature of the population, the population will continue to grow
- The increase in population size will have implication for development unless measures are employed to manage the high population growth.
- The population of the elderly, which is a common measure of ageing is projected to grow from 2.8 percent in 2022 to 7.1 percent in 2062. This is likely to have implications as the number of the elderly population will continue to grow.
- □ Currently, there seems to be limited programme of interventions to take care of the welfare of the elderly.
- Changes in age structure, especially the decline of the young population (0-9 years) which has resulted in decline in age-dependency ratio if managed well, will lead to what has been described as the 'demographic dividend'.

- urban migration.
- resource needs.
- developments.

□ The demographic dividend, though at the initial stage, this state is likely to increase savings and promote investment among the working age population.

For the first time, more than half (54.5%) of the population are now living in urban areas than in rural areas. This change in the location of the population has been attributed to natural growth within the urban population and the rural-

The implication of this situation has led to high population concentration on only a few urban areas which will require

The future needs for health, education, agriculture and labor force have implications for national socio-economic



- There is the need to improve on population distribution by ensuring that resources are evenly distributed to reduce the pressure on areas with high population density
- Training of Field Data Collection Officers base on data quality assurance framework (DQAF)
- Development of programs to take advantage of the reduction in the dependency ratio by creating more job opportunities and embarking on career training for the working age population.