



REPUBLIC OF LIBERIA



2008 POPULATION AND HOUSING CENSUS

Analytical Report on

POPULATION PROJECTIONS

**LIBERIA INSTITUTE OF STATISTICS AND GEO-INFORMATION SERVICES (LISGIS)
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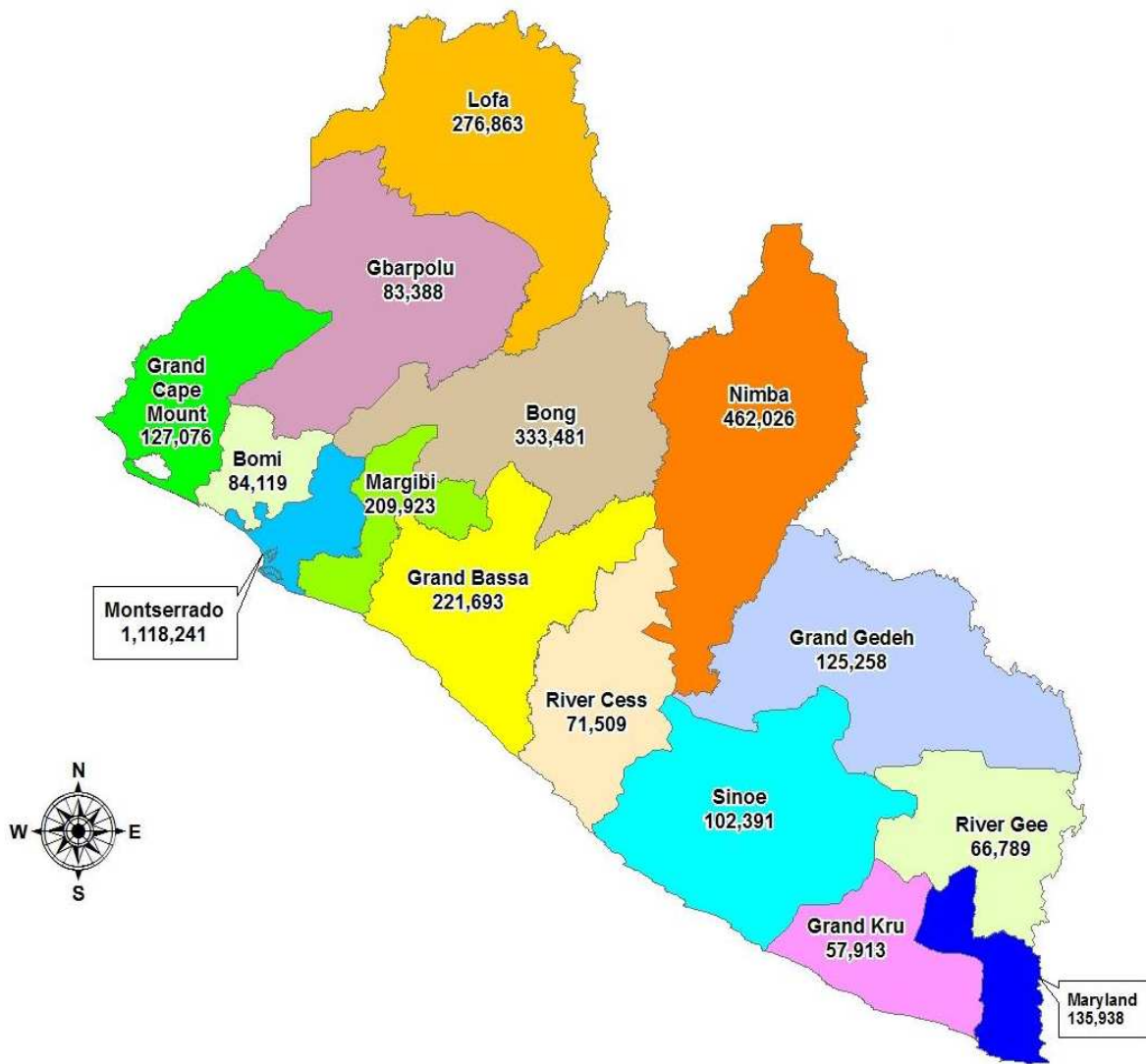


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FOREWORD

The post-war socio-economic planning and development of Liberia is a pressing concern to Government and its development partners. Such an onerous undertaking cannot be actualized with scanty, outdated and deficient databases. Realizing this limitation, and in accordance with Article 39 of the 1986 Constitution of the Republic of Liberia, The President of Liberia approved, on May 31, 2007, "An Act Authorizing the Executive Branch of Government to Conduct the National Census of the Republic of Liberia".

The Population and Housing Census is the major source of demographic and social-economic statistics in Liberia. The country has conducted three scientific population and housing censuses at intervals of about ten years since 1962. The latest census being the fourth was conducted in 2008 as a post war census. This census collected household-based data on the socio-economic conditions of the population as well as agriculture and other community based information.

The country currently finds itself at the crossroads of undergoing major rehabilitation and reconstruction. Virtually, every aspect of life has become an emergency and in resource allocation, crucial decisions have to be taken in a carefully planned and sequential manner.

The Liberia Institute of Statistics and Geo-Information Services (LISGIS), has published the 2008 Census results in different reports at different times and with varying degrees of detail. The Monograph Series provide more detailed and subject-oriented analysis of the census data which relate the findings to our national development policies and targets. This Monograph on Population Projections contains information on the fertility projections, mortality projections, total and county population projections and projection of the social sector of the population.

Finally, LISGIS appeals to the people of Liberia to make maximum use of the census data as a basis for evidence-based policy debate and design; decision-making at every level of society; investment and business transactions; and for many other purposes.



T. Edward Liberty

DIRECTOR GENERAL (LISGIS)

ACKNOWLEDGEMENT

The success of this first post-war census was a result of the dedicated efforts of the Census Commission, the Development Partners, the Board of Directors, the Management and staff of the Liberia Institute of Statistics and Geo-Information Services (LISGIS), Government line ministries and agencies, county officials and local authorities, the 11,618 field staff who were deployed throughout the country and the millions of Liberians and Foreign Residents who responded.

Several International and local analysts have worked assiduously at various stages to translate the data from statistical tables to report formats that can easily be utilized by the Government, International agencies, our development partners, other data users and the general public.

We recognize the immense efforts of the lead Consultant, Mr. James P.M. Ntozi and four Research Assistants: Dr. Yeko Mwanga, Mr. John M.A. Mbeire, Mr. Charles Lwanga and Mr. Abel Nzabona. We also give credit to the laudable assistance and dedicated services of Mrs. Dorothy D. Johnson (TOKTEN Consultant, LISGIS), fourteen local analysts and their research assistants, through fervent training, workshops, seminars and emerging with the fourteen individual reports of the 2008 National Population and Housing Census. The sectionalized reports include:

- Administrative Report
- Population Size and Composition
- Fertility and Marriage Patterns
- Mortality
- Migration and Urbanization
- Population Projections
- Youth and Adolescents
- Gender Dimensions
- Education and Literacy
- Labour Force and Employment
- Persons with Disabilities and the Elderly
- Housing Conditions and Housing Facilities
- Population in Agriculture
- Poverty Dimensions

The 2008 National Population and Housing Census programme is adjudged to have been executed within acceptable limits of the highest international standards, using state-of-the-art technology and expertise at all stages of the census operations. The extra resources and other support have been coming from a plethora of organisations whose contributions and moral support are herein acknowledged.

We also extend our thanks and appreciation to the United Nations Population Fund for their continuous support all throughout the tenure of the 2008 Census activities, from the stages of planning, execution, analysis and the completion of the fourteen final reports. They have contributed varied levels of assistance, from logistics to the provision of technical expertise.

On behalf of the Census Commission and the Board of Directors of LISGIS, I would like to extend my thanks and appreciation to the Government of Liberia and our development partners for providing the required resources for conducting this census. My thanks also go to all local institutions and Analysts that worked with LISGIS to implement and conclude the census programme. Special appreciation for making the census a success goes to Dr. Toga McIntosh, former Chairman of the Commission, the Census Commissioners, the Census Secretariat and other local and international professionals, all categories of census field staff, office staff and all respondents who provided the required information.



Hon. Amara Konneh
Minister of Planning and Economic Affairs
and Chairman of the Census Commission

Facts Sheet

Indicator	2008	2018	2038	2058	2078	2108
Population *	3,492,563	4,382,387	6,264,192	8,203,299	10,257,580	14,321,418
Working population	1,916,979	2,518,497	3,924,601	5,273,380	6,561,566	8,861,144
Women in childbearing years	872,148	1,121,606	1,633,008	2,152,127	2,585,557	3,492,259
Total fertility rate (TFR)	5.8	4.9	3.5	3.1	3.0	3.0
Life expectancy at birth (males)	51.6	54.0	58.6	63.4	68.1	75.0
Life expectancy at birth (females)	53.9	56.2	60.9	65.5	70.1	77.0
Life expectancy at birth (Both sexes)	52.7	55.0	59.7	64.4	69.1	76.0
Dependency Ratio	0.82	0.74	0.6	0.56	0.57	0.62
Social Sector Indicators at current ratios						
Children of primary school age	564,734	670,010	828,199	970,787	1,153,975	1,629,708
Primary teachers required	7,969	14,889	18,404	21,573	25,644	36,216
Children of Secondary school age	469,415	571,525	767,391	922,194	1,087,838	1,486,641
Secondary school teachers required	2,691	6,553	8,799	10,574	12,474	17,047
Physicians required	113	143	207	273	344	484
Nurses required	1,399	1,766	2,547	3,363	4,237	5,964
Labour force	974,577	1,334,886	2,246,406	3,249,882	4,336,802	6,429,686
New jobs required	31,325	38,323	48,455	53,786	55,890	88,410
Total urban population	1,633,824	2,071,089	2,987,236	3,944,635	4,970,403	6,995,397
Population in Major City	1,029,309	1,304,786	1,881,958	2,485,120	3,131,354	4,407,100
Urban Households	333,433	422,671	609,640	805,028	1,014,368	1,427,632

* Midyear Population

Executive Summary

The overall objective of this report is to project Liberia's population for a period of 100 years (from 2008 to 2108) to enable planners and policy makers know what is likely to happen in future so as to make informed decisions. The report examines demographic characteristics of these projections so as to provide a basis in which planners can prescribe appropriate policies which are in line with the national development goals. The 2008 census data was evaluated and like many census undertakings the world over, it was found to have content errors in form of age misreporting and digit preference around digits 0 and 5, and in ages 10, 20, 30, 40, 50 and 60. Quality assessment was done and the data was smoothed. The smoothed population of Liberia was updated to midyear 2008 and comprised of 1,750,539 males and 1,742,024 females. This data was taken to be the base year population for projection.

When projecting, three fertility assumptions were considered: low, medium and high fertility scenarios. This was intended to show how much the government would spend or save in case of a high or medium or low fertility scenario. Estimates were based on past and current data derived from previous censuses and surveys. From the results, the low fertility scenario in Liberia is expected to decrease from 5.2 live births per woman in 2008 to 2 births in 2108. In the medium scenario, fertility would decline from 5.8 live births to 3 births while in the high fertility scenario fertility would decline more slowly from 5.8 births in 2008 to 4 live birth per woman during the same period, 2108.

Past trends of mortality were used to form assumptions about future values of mortality. Although Liberia has HIV2, it was found to have a minimal effect on the general mortality pattern and with vigorous HIV/AIDS programmes, its impact in the future was assumed to be insignificant. Results of the analysis show that female life expectancy at birth will increase from 43.6 years in 2008 to about 70 years in 2108 while that of males is expected to rise from 42.5 years to 68 years in the same period.

Although there is evidence that fertility will continue to decline, projections show that the population of Liberia will grow for sometime before it stabilizes at higher levels and the age structure of the population is not expected to change in the near future putting additional pressure on the job market, education, the health sector and the labour market.

Though urban areas were used as safety nets during the civil war by rural migrants, these urban areas have potential for growth. This is likely to put pressure on urban infrastructure, water and sanitation facilities, housing, health, labour market, educational and recreation facilities and also increase crimes rate in the future.

There are a number of actions which the government of Liberia has to take. First, there is need to reduce the natural fertility regime which is responsible for population momentum by investing in family planning programmes. Second, there is need to carry out an agricultural census to establish the status of food production and security. In addition, there is need to regularly review the projections in order to update the existing gaps for proper planning. Finally, there is need to urban population.

Chapter One

Background

1.1 Introduction

Development policy and decision makers and planners at national and regional levels in both public and private sectors often use demographic trends - population size and growth rate, age structure, urbanization and migration. Though most of this information may be obtained from the census or surveys, they fall short of the needs of planners and policy makers on two grounds. Firstly, in many countries, censuses are carried out decennially and results take at least a year after enumeration before they are released. In principle, such information, however informative it is, for planning purposes, would be outdated to serve the present needs of the country. This is because in many countries policy makers always want information on current population size and structure so as to allocate the scarce resources.

Secondly, census undertaking is often very expensive to conduct in terms of money, logistical support and time. Therefore, the census cannot be carried out on a yearly basis to meet the needs of policy makers. In addition, sample surveys such as demographic health surveys (DHS) may be carried out during the intercensal period and would provide some necessary information, but may not meet all the needs of policy makers. This is because surveys are conducted for specific objectives which may be different from the needs of planners and policy makers. Furthermore, surveys are not carried out on a yearly basis perhaps due to the cost involved and logistical support needed; and at times, such data may not provide county and district specific indicators.

To address some of these concerns, population projection as a tool, is used to estimate the size and age-sex structure of the population and indicate the likely changes in the future. Also, estimates from the projected population are essential in the process of monitoring and evaluating national or international target such as the millennium development goals (MDGs) to which the country is committed. This is because computation of many of these indicators needs population data.

In an effort to provide proactive planning, this report specifically aims at providing information on population projection by age and sex including social services projections and key indicators of mortality, fertility and migration. Although, there may be uncertainty of predicting reliable estimates, the projection period is extended to the year 2108 from the most recent census (2008 National Population and Housing Census) to give an indication of the long range changes to be used in long term planning.

1.2 Objectives

The main objective of this report is to project Liberia's population for a period of 100 years (from 2008 to 2108) to enable planners and policy makers know what is likely to happen in the future so that they can make informed decisions. The report examines the demographic characteristics of these projections so as to provide a basis in which planners can prescribe appropriate policies which are in-line with the national development goals; for example the poverty reduction strategy (PRS) and MDGs. Besides, the report draws attention to the implications of the demographic parameters for development.

The specific objectives of the report are:

- To project fertility and mortality rates into the future.
- To project the demand needs for social services, particularly in terms of education, health, employment and sanitation.
- To raise planners and policymaker's awareness of the importance of fertility and population growth as factors in social and economic development.
- To provide information for future planning and policy formulation
- To discuss the implications of the age-sex structure and make recommendations for planners and policy makers.

1.3 Methodology

In demographic analysis, approaches to population projections can be classified as the cohort component or the mathematical method. The choice of the method often depends on the availability of data. The mathematical method requires less data. It entails fitting a linear model to

the total population observed in one or two censuses to obtain the projected total population for a specified date in the future. If used properly, the method would yield fairly good results for short-range (less than ten years) projection and is essential when projecting populations at smaller political sub-divisions such as county level. As for medium or long-range (over ten years) projection, mathematical models may yield unreliable results. This is because it assumes a constant growth rate which is likely to change in the long run due to probable changes in birth and death rates. Secondly, this approach only provides information about future population size and not on the age composition.

If more data is available, the cohort component method is preferred to the mathematical method. The component method requires far more data than the mathematical approach because it demands projecting separately the components of population change, namely fertility, mortality and net migration (George, et al, 2004). In countries where HIV/AIDS prevalence is high, it is recommended to include the impact of HIV/AIDS as it is with United Nations projections when projecting the mortality component. This is because of the high case fatality rate of HIV/AIDS and the lack of a permanent cure. To detect the impact, population is first projected using the demographic projection module (DEMPROJ) which employs the conventional cohort component approach and the HIV/AIDS assumptions incorporated into projections using the AIDS impact module (AIM). In both steps, model life tables which do not take into account HIV/AIDS are often used (Stover, 1999).

In the case of Liberia, the HIV prevalence rate for both HIV-1 and HIV-2 is generally low (1.6 percent) (LISGIS, 2008). According to LDHS of 2007, awareness of AIDS among adults in this country is almost universal (91 percent), and as people continue to get access to antiretroviral therapy (ARVs) and survive much longer, the HIV prevalence is expected to reduce.

Thus, we do not expect HIV/AIDS to have a major impact on the general pattern of mortality. Therefore, the projections have excluded the effect HIV/AIDS would have on the general mortality pattern.

Due to the inability of conducting the census since 1984 and the absence of a sound vital registration system, a combination of both the cohort component and mathematical approaches

were used in this volume. The cohort component was used to project the national population. Because the required components of population change are not readily available at county level and small population size of most counties, the mathematical method was used for projecting population at county level. In both cases, the Population Analysis Spreadsheet (PAS) was used to estimate some of the data inputs.

1.3.1 Base population

In this report, the population projections are based on the 2008 National Population and Housing Census conducted by the Liberian Institute of Statistics and Geo-Information Services (LISGIS) (LISGIS, 2009), which because of the civil conflict, represents the only census conducted since 1984. It was based on a *de facto approach* –referring to the enumeration of individuals who spent a reference night (March 20/21, 2008) in the household regardless of their citizenship.

1.3.2 Evaluation of Base Data

This report uses the 2008 National Population Census data to project Liberia’s population forward but before this was done, a number of quality assessment measures were performed to determine its quality. This section provides a brief evaluation of the age-sex distribution of the population to evaluate the accuracy of age reporting and adjust the population to mid – 2008. With the help of the Population Analysis Spreadsheet (PAS) developed by the United States Census Bureau (Arriaga, 1994), a number of analytical methods were used to appraise the quality of the 2008 census data. The main ones are the graphical method, indices of age misreporting, measures of digit preference and PAS smoothing for adjusting the population to mid-2008.

A summary of the key indicators used to assess the accuracy of age reporting are summarized in Table 1.1. Using SINGAGE spreadsheet of PAS, age misreporting and digit preference errors are detected (see Figure 1.1)

Figure 1.1: Population Distributions in Single Years by Sex, 2008

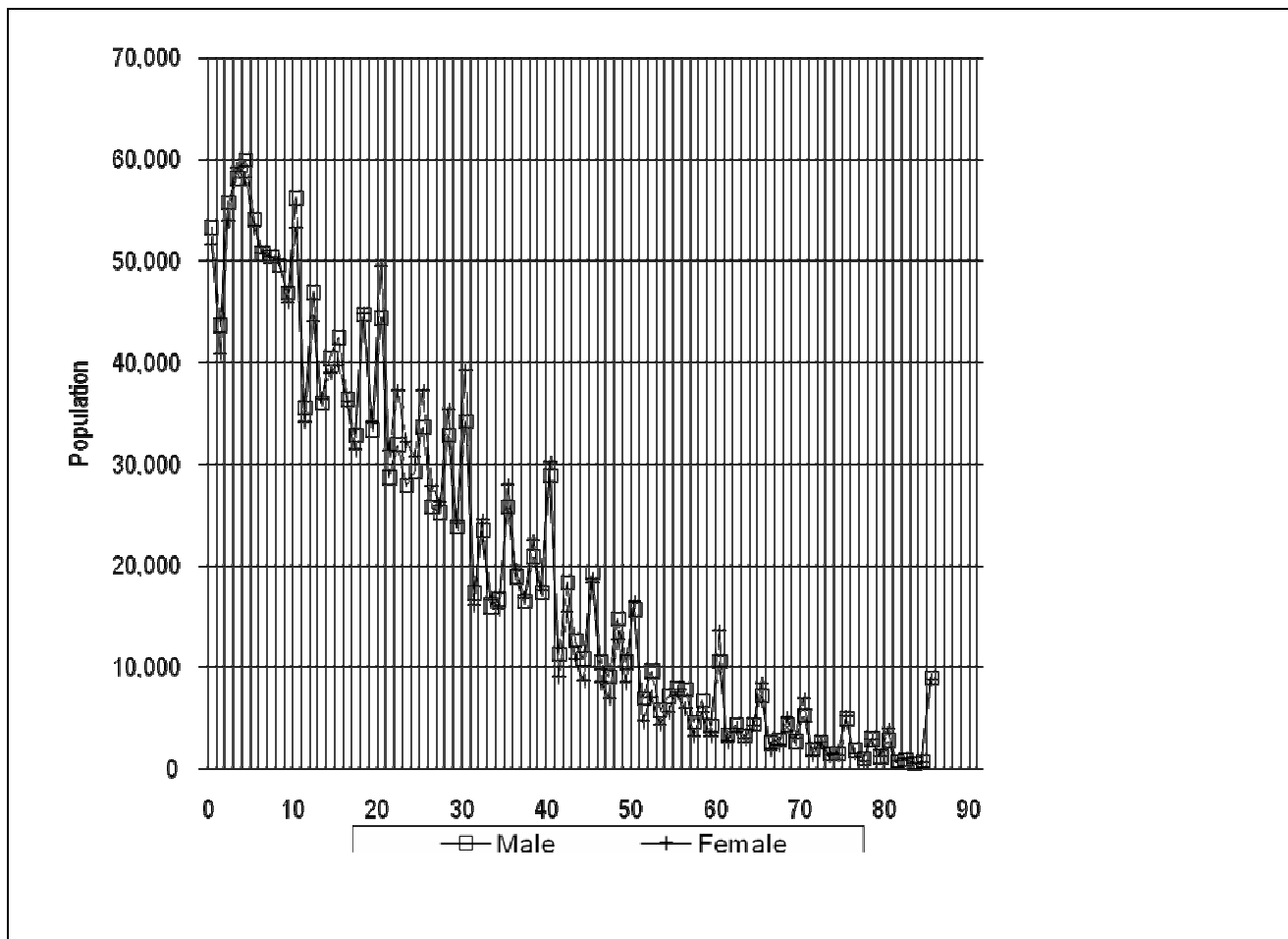


Table 1.1: Summary of indices measuring the accuracy of 2008 Census data

Index	Value
Age ratio score for males	4.1
Age ratio score for females	8.8
Sex ratio score	6.3
Age-sex accuracy index	31.8

In practice, an accuracy index less than 20 is taken to be satisfactory. The value of the age –sex accuracy index (31.8) in Table 1.1 indicates that the quality of age – sex reporting for the 2008 census is poor and inaccurate. Attempts were made to correct these irregularities in age and sex data as well as for digit preference using the PAS module known as AGESMTH spreadsheet

(Arriaga, 1994). The advantage behind this module is that it uses five smoothing techniques including the Carrier Farrag, Karup-King Newton, United Nations, Strong moving average and Arriaga light smoothing. The Arriaga light smoothing method adjusts the population distribution in the first and last 10 year age groups and incorporates the outcome into 5 year age groups. A summary of the indicators is displayed in Table 1.2 below.

Table 1.2: Summary of Indices measuring the Accuracy of 2008 Census data

Index	Reported Population	Smoothed				
		Carrier Farrag	K-King Newton	Arriaga	United Nations	Strong Moving
Sex ratio score	6.97	6.94	6.85	6.84	6.21	3.18
Male age ratio score	4.26	3.02	3.18	3.15	2.66	1.63
Female age ratio score	9.35	5.15	5.44	5.24	4.67	2.20
Accuracy index	34.51	29.00	29.18	28.91	25.97	13.38

Table 1.2 gives results of the smoothed indices and are fairly close. However, all (the indices) except the results from the Strong moving average are far from the value of 20, signifying that the reporting of age data was unsatisfactory. Such irregularities in the age structure calls for smoothing (see Figures 1.2 and 1.3) before the base population would be considered for projection.

Figure 1.2: Reported and smoothed Population by 5 Year Age Group and Smoothing Technique, Liberia Males, 2008

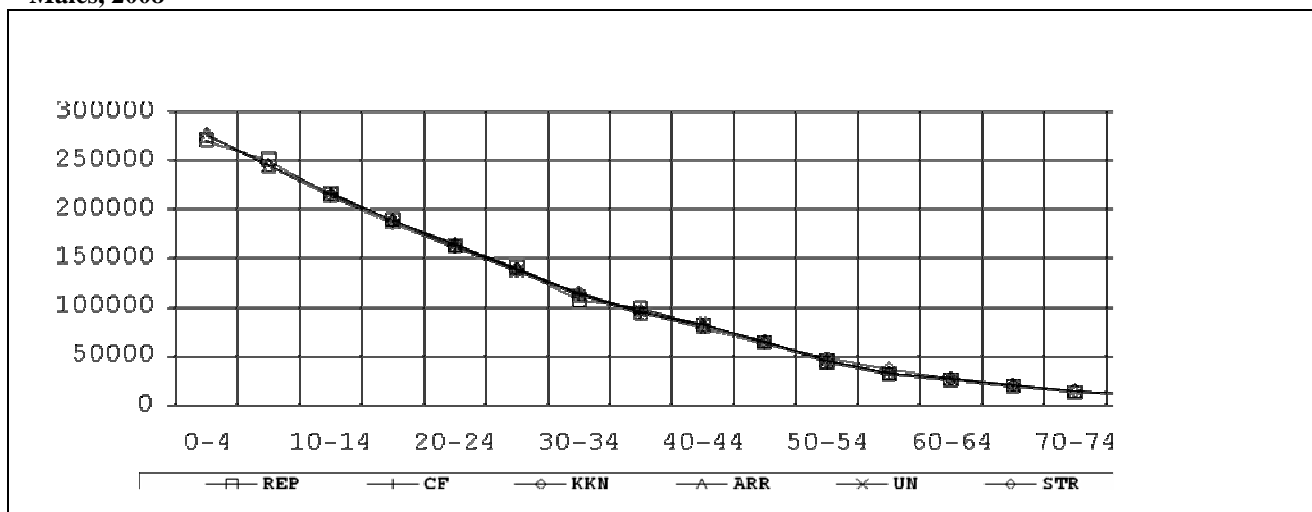
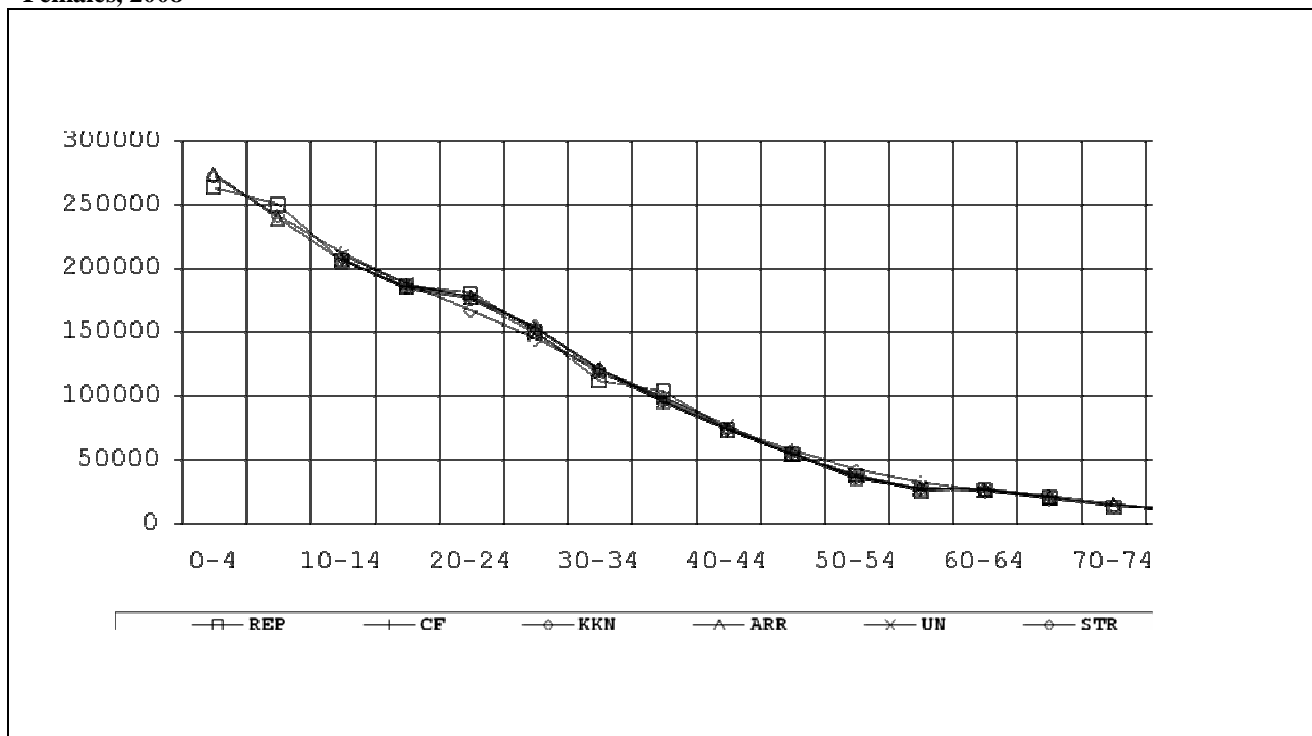


Figure 1.2: Reported and smoothed Population by 5 Year Age Group and Smoothing Technique, Liberia, Females, 2008



Using SINGAGE spreadsheet (Arriaga, 1994), further analysis was done to detect and evaluate irregularities which could be due to age misreporting and digit preference. In addition, an attempt was made to get the broad picture as well as the magnitude of preference. Table 1.3 gives a summary of the results.

Table 1.3: Indices of Age Misreporting, 2008

Index	Male	Female	Combined
Whipples	1.36	1.48	1.42
Myers	17.7	21.4	19.6
Bachi	10.5	13.5	11.8

Table 1.3 gives the combined Whipples index of 1.42, Myers index of 19.6 and Bachi index of 11.8. All the three support the earlier argument that the 2008 census data was less satisfactory. Also, results of digit preference in Table 1.4 and Figure 1.1 appear to point out higher concentration of age reporting around digit 0 and 5, showing signs of digit preference.

Table 1.4: Indices of Digit Preference by Sex and Method, 2008

Digit	Myers Index			Bachi Index		
	Male	Female	Both sexes	Male	Female	Both sexes
0	4.3	5.8	5.0	5.4	7.6	6.5
1	-2.5	-3.0	-2.7	-3.1	-4.1	-3.6
2	0.3	0.2	0.2	0.3	-0.3	0.0
3	-2.0	-1.9	-1.9	-2.2	-2.3	-2.2
4	-1.1	-1.6	-1.4	-1.5	-2.1	-1.8
5	2.2	2.6	2.4	2.9	3.8	3.4
6	-0.9	-1.1	-1.0	-0.9	-1.2	-1.1
7	-1.6	-2.0	-1.8	-1.8	-2.2	-2.0
8	2.1	2.2	2.1	1.9	2.2	2.0
9	-0.8	-1.0	-0.9	-0.9	-1.1	-1.0

Having established the existence of genuine irregularities, the next step was to smooth the population data to correct aspects of digit preference. A powerful Arriaga light smoothing method was employed for this task. The advantage it has over other techniques is that it makes adjustment in the first and last 10 year age groups and incorporates the outcome into 5 year age groups. Also, the method is based on the premise that a second degree polynomial goes through the middle of the three consecutive 10 year age groups. Table 1.5 summarizes the results of Arriaga method and it shows that many of the infants had been reported as children.

Table 1.5: Reported and Smoothed Population Distribution by Age and Sex, 2008

Age group	Reported Population			Smoothed Population		
	Male	Female	Total	Male	Female	Total
All ages	1,739,945	1,736,663	3,476,608	1739945	1736663	3476608
Under 1	53,291	51,687	104,978	57054	60653	117,707
1-4	217,273	212,224	429,497	219,330	214233	433,563
0-4	270,564	263,911	534,475	276,384	274886	551270
5-9	251,411	250,520	501,931	245,591	239546	485136
10-14	214,859	206,807	421,666	215,480	206709	422188
15-19	189,407	186,288	375,695	188,786	186387	375173
20-24	161,951	180,979	342,930	163,741	178062	341803
25-29	141,006	150,852	291,858	139,216	153769	292985
30-34	107,326	112,306	219,632	112,332	120455	232787
35-39	99,136	104,400	203,536	94,130	96251	190381
40-44	81,670	74,067	155,737	81,093	73634	154727
45-49	63,827	54,980	118,807	64,404	55413	119817
50-54	44,870	38,070	82,940	43,418	35810	79228
55-59	30,975	25,485	56,460	32,427	27745	60172
60-64	25,473	27,357	52,830	25,392	26540	51932
65-69	19,250	20,557	39,807	19,331	21374	40705
70-74	12,343	13,403	25,746	14,131	15579	29711
75-79	11,580	11,333	22,913	9,792	9157	18948
80+	14,297	15,348	29,645	14297	15348	29645

¥Arriaga Method was used to generate smoothed population

1.3.3 Up-Dating the 2008 Census Data from March 2008 to Mid-2008

A common practice in population projections is to adjust the smoothed data to mid-year, especially when the census night is different from July. This is usually done by estimating the intercensal growth rate which is used to compute a proportionally distributed population age and sex structure. The population is later upgraded to a further date to get the mid-year figures. The analytical technique used for this purpose was the MOVEUP spreadsheet module (Arriaga, 1994). The key input data for this process were the smoothed male and female age distributions, age specific central death rates, age specific fertility rates, and the annual net number of migrants.

Net international migration, which is usually required, was set at zero for two reasons. First, while census can estimate the volume of immigrants, it fails to estimate that of emigrants. Second, migration is presumed to have a negligible impact on Liberia's population dynamics since the net migration rate (immigrants – emigrants) is close to zero. Results in Table 1.6, show the updated base population which formed the base of component population projections presented in the subsequent chapters of this report.

Table 1.6: 2008 Smoothed and Mid-Year Population

	Smoothed Population			Total	Mid-Year Population		Total
	Male	Female	Total		Male	Female	
All ages	1,739,945	1,736,663	3476608	1750539	1742024	3492563	
Under 1	57054	60653					
1-4	219,330	214,233					
0-4	276,384	274886	551270	273,125	266410	539535	
5-9	245,591	239546	485136	247,915	241813	489728	
10-14	215,480	206709	422188	217,520	208665	426185	
15-19	188,786	186387	375173	190,573	188151	378724	
20-24	163,741	178062	341803	165,291	179747	345038	
25-29	139,216	153769	292985	140,534	155225	295759	
30-34	112,332	120455	232787	113,395	121595	234990	
35-39	94,130	96251	190381	95,021	97162	192183	
40-44	81,093	73634	154727	81,861	74331	156192	
45-49	64,404	55413	119817	65,013	55937	120950	
50-54	43,418	35810	79228	43,830	36149	79979	
55-59	32,427	27745	60172	32,733	28008	60741	
60-64	25,392	26540	51932	25,632	26791	52423	
65-69	19,331	21374	40705	19,515	21577	41092	
70-74	14,131	15579	29711	14,265	15726	29991	
75-79	9,792	9157	18948	9,884	9244	19128	
80+	14297	15348	29645	14,432	15493	29925	

1.4 Organization of the Report

The report is structured into seven chapters. Chapter one presents the objectives, methodology used, and data quality. Fertility and mortality projection assumptions are analyzed in chapters two and three respectively. Chapter four examines total population projections resulting from simulating the effects of fertility and mortality. In chapter five, county projections were presented. Chapter six examines the effect of fertility and mortality on labour force and employment, urbanization, education services, health services, environment, and agriculture. Finally, chapter seven gives the policy implications and the way forward.

Chapter Two

Fertility Projections

2.1 Introduction

Given that it is difficult to predict the future population of any country with absolute certainty, different scenarios representing various sets of assumptions were developed for the projections. The assumptions were based on an analysis of the available historical trends in fertility. This chapter presents the results of the projection of fertility.

2.2 Fertility Projection

Of the three components of population change, fertility is the primary engine of population growth among most African countries and therefore accurate knowledge about fertility and fertility trends in Liberia is essential. The analysis included in this report uses one of the most common measures of fertility, the Total Fertility Rate (TFR). In practice, it measures the number of children a woman would have by the end of her reproductive years at the currently observed age specific fertility rates. Evidence from 2007 LDHS, 1999/2000 LDHS and 1986 LDHS indicate a declining fertility trend but at a slow rate. TFR fell from 6.6 live births in 1986 to 6.2 in 2000 and by 2007, it had dropped to 5.2 while according to the 2008 census, fertility dropped from 6.9 in 1984 to about 5.8 in 2008 (LISGIS, 2009).

It should be noted that fertility transition often takes place in stages, slow at the beginning, increases in the middle and slows again as it approaches replacement level. Based on this premise, a General Model of low, medium and high fertility scenarios developed by United Nations were used (United Nations, 1977). We expect these scenarios to apply to Liberia. However, the duration may slightly be longer than what has been observed in other countries due to the slow rate of decline in the past three decades or a mixed picture between the LDHS and the census estimates.

Considering the medium scenario, the assumption is that once the decline has begun, fertility would decline by about 5 percent during the first five year period and more slowly thereafter; and is likely to be slightly above replacement level before the end of the century. In the low fertility scenario, the decline would begin 5 years earlier while with a high fertility scenario, fertility is assumed to decline

more slowly. To determine the intermediate levels of fertility between 2008 and 2108, a microcomputer programme *TFRLST.XLS* spreadsheet module of PAS was used. The advantage with this module is that it interpolates and extrapolates total fertility rate using the logistic function to generate trends in fertility patterns for the projection period. These values were then fed into *DEMPROJ*. Table 2.1 summarizes the fertility assumptions.

Table 2.1: Fertility (TFR) assumptions (2008 – 2108)

Year	Low	Medium	High
2008	5.2	5.8	5.8
2013	4.5	5.3	5.4
2018	3.9	4.9	5.1
2023	3.3	4.4	4.8
2028	2.9	4.1	4.5
2033	2.6	3.7	4.4
2038	2.4	3.5	4.2
2043	2.2	3.4	4.2
2048	2.1	3.2	4.1
2053	2.1	3.2	4.1
2058	2.1	3.1	4.0
2063	2.0	3.1	4.0
2068	2.0	3.0	4.0
2073	2.0	3.0	4.0
2078	2.0	3.0	4.0
2083	2.0	3.0	4.0
2088	2.0	3.0	4.0
2093	2.0	3.0	4.0
2098	2.0	3.0	4.0
2103	2.0	3.0	4.0
2108	2.0	3.0	4.0

2.3 Fertility estimates

Results in Table 2.1 show the low, medium and high fertility estimates. Under the low scenario, fertility in Liberia is expected to decrease from 5.2 live births per woman in 2008 to 2 births in 2108. In the medium scenario, fertility would decline from 5.8 live births to 3 births while in the high fertility scenario fertility would decline more slowly from 5.8 births in 2008 to 4 live birth per woman during the same period. The three fertility patterns would show how much the government would spend in case of a high fertility scenario or save, in case of a low or medium scenario.

2.4 Summary and Conclusion

Three fertility scenarios based on UN variants are used to project fertility rate of Liberia in the next 100 years. The results of the projections show that by 2108, the low fertility scenario will lead to below replacement level, the medium scenario will result in a level above replacement and high

fertility scenario will lead to a medium family size of 4 children. The differences show how much the government would spend in case of a high fertility scenario, or save, in case of a low or medium scenario.

Chapter Three

Mortality Projections

3.1 Introduction

Although fertility outweighs mortality in its impact on population projections, mortality assumptions in the form of expectation of life ought to be plausible to ensure reliable population projections. In demographic analysis, the starting point in mortality projections is the examination of several mortality rates; namely, Infant Mortality Rate (IMR), Under Five Mortality rate (U5MR), Crude Death Rate (CDR), and the Life expectancy at birth which, during its computation uses mortality data at each major age group. This chapter presents the projections of mortality and discusses the results.

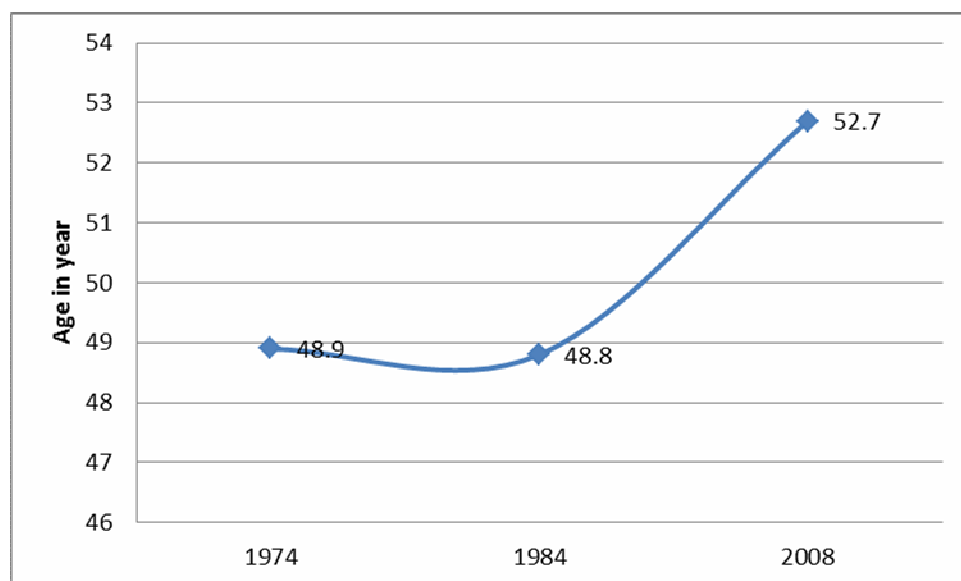
3.2 Mortality Projection

Since 1984, there has been a declining trend in Under-Five Mortality. Published estimates put the figure at 119 per 1000 live births for 2008 from 159 in 1986 and 195 in 1984. Infant mortality was estimated to be 78 per 1000 live births in 2008 using indirect methods (Trussell Method) compared to 125 in 1984, and child mortality rate was 41 per 1000 live births in 2008 compared to 55 in 1984. The reported crude death rates were 20.8 per 1000 people in 1984 and 21 in 2008. It should be noted that the only reliable measure of adult mortality is the number of deaths divided by the estimated population. This valuable information is always provided by the census or the vital registration system. However, in most developing countries including Liberia, this information is known to be incomplete due to two main reasons:

1. Liberia, like many African countries, does not have an operational death registration system to provide reliable data which would be used to compute the age specific central death rates (${}_nM_x$) required when estimating life expectancies (e_x).
2. Often deaths reported by the census have errors resulting from reluctance of respondents to disclose information about dead loved ones and the inability to correctly remember dates.

To ascertain the quality of mortality data, the Brass Growth Balance method was applied to the 2008 census data. The method estimates the completeness of reporting of deaths for individuals older than 5 years. It compares the age distribution of deaths with that of the entire population. To generate the age specific central death rates, the *LTPOPDTH.XLS* module of PAS was used and the corresponding life expectancy at birth was estimated. A combination of model tables, age specific central death rates and IMR of 78 per 1000 live births was used to estimate life expectancy. Results indicate that, for the year 2008, the expectation of life at birth for males and females was 42.5 years and 43.6 years respectively. Life expectancy at birth for both sexes was estimated to be 43 years (see Appendix Table 1). Then, the above estimates (U5MR, IMR, CDR, and life expectancy at birth) were used as baseline indicators for the mortality projections. Over the past three decades, Liberia life expectancy at birth experienced a gradual increase. During the period 1974 to 1984, life expectancy at birth appears to be stagnated. However, it slightly increased from 48.8 years to 52.7 years from 1984 to 2008. Figure 2 displays life expectancy trends in Liberia.

Figure 3.1. Trend of the Expectation of Life at birth (1974 -2008)



Research on mortality elsewhere on the continent has identified factors such as mother’s education, age of mother at first birth, inter-birth intervals and reforms in the health sector to influence child mortality. However, common among developing countries is the weak relationship between the health sector and mortality. In determining future levels of mortality for the projection model, it was assumed that improved access to health services by the increasing number of educated women would contribute to further reductions in infant mortality and subsequently, increase the life

expectancy. In addition, as people get more access to public health programs, morbidity and the general mortality levels are likely to decline. For this reason, people would survive longer and life expectancy would increase. While analyzing the trend of life expectancy trajectory, Arriaga (1994) contends that life expectancy increases more slowly when mortality is high (expectation between 30 and 35 years). It accelerates at middle levels (at life expectancy of 50 and 55 years) and increases at a slower pace at low levels of mortality (at life expectancy of over 65 years), which has a similar pattern of the logistic function.

In view of the Arriaga’s observation and the public health system, female life expectancy in Liberia is expected to increase from 52.7 years in 2008 to 76.0 in 2108 while that of males would go up to 77 years in 2108 from 53.9 years in 2008. To determine the intermediate levels of life expectancy at birth between 2008 and 2108, a microcomputer program *EOLGST.XLS* spread sheet of PAS was used and the mortality assumptions for Liberia were summarized in Table 3.1

Table 3.1: Mortality Assumptions - Life Expectancy at Birth (Mortality Estimates)

Year	Male	Female	Both sexes
2008	51.6	53.9	52.7
2013	52.8	55.1	53.9
2018	54.0	56.2	55.0
2023	55.1	57.4	56.2
2028	56.3	58.6	57.4
2033	57.5	59.7	58.6
2038	58.6	60.9	59.7
2043	59.8	62.0	60.9
2048	61.0	63.2	62.1
2053	62.2	64.3	63.2
2058	63.4	65.5	64.4
2063	64.6	66.6	65.6
2068	65.7	67.7	66.7
2073	66.9	68.9	67.9
2078	68.1	70.1	69.1
2083	69.2	71.3	70.3
2088	70.4	72.4	71.4
2093	71.6	73.5	72.5
2098	72.8	74.7	73.7
2103	73.9	75.9	74.9
2108	75	77	76

3.3 Mortality estimates

Past trends of mortality were used to form assumptions about future values of mortality. Although Liberia has HIV2, it was found to have a minimal effect on the general mortality pattern. With a high level of awareness and vigorous HIV/AIDS programmes, the impact of the epidemic in future was assumed to be insignificant. The results of the analysis show that female life expectancy at birth will increase from 43 years in 2008 to about 70 in 2108.

3.4 Summary and Conclusion

Because of the expected increase in access to public health services in the future, by the end of the 21st Century, life expectancy at birth for females in Liberia would increase to about 70 years while that of males would go up to about 68 years. However, for the increase to happen, infant, child and maternal mortality need to be reduced further. This implies that the government needs to create an environment, where mothers would appreciate the advantage of having lower fertility which in turn would bring down childhood and maternal mortality and raise expectation of life.

Chapter Four

Total Population Projections

4.1 Introduction

Population projections predict future changes in population composition on the basis of what has been taking place in the past. In this chapter, Liberia's population is projected by simulating the effects of the components of population change. Using *DEMPROJ*, a cohort component method was used to project population using fertility and mortality estimates as described in chapters 2 and 3. Each age cohort is traced throughout its lifetime according to exposure to fertility and mortality conditions. This chapter discusses the results of the projected population.

4.2 National projections

At the National level, SPECTRUM system of policy models (Version 4) (Stover, J. 2005) was employed. As explained by Preston and associates (Preston, et al 2001), projection under this method involves 3 stages:

- a. The assumed age-sex specific survival ratios derived from the appropriate life table are applied to the age-sex distributions of the population at time t , to estimate the number of persons surviving at time $t+n$.
- b. Similarly, the assumed age-specific fertility rates during the projection period ($t, t+n$) are then applied to the projected number of women in the reproductive age group during the projection period to estimate the number of persons by sex aged 0-4 at time $t+n$, which is then survived by the survival ratios from the appropriate life table to get those who would be alive at the end of the projection period.
- c. Projected number of net migration is then added or subtracted from each age-sex group based on an estimated age-sex distribution of net migrants.

The most appropriate source of information on sex ratio at birth is the vital registration system but like many African countries, the system of vital registration in Liberia is non-existent or incomplete. The sex ratio at birth is the number of male births per 100 female births and when projecting, it is used to separate males from females. The sex ratio was estimated to be 103 for the

2008 census which is the average African sex ratio at birth (Kpedekpo, 1982) and is assumed to remain constant throughout the projection period.

Before developing the projections, the 2008 base population was smoothed and updated from the census date of March 2008 to July 2008 (mid-year population). After carrying out an in depth analysis of the age and sex structure, fertility, mortality and migration estimates from the past were used to update the population to mid-year. The procedure and results were presented in chapter one. Results were integrated into the SPECTRUM policy analysis model and the results of this analysis are given in Table 4.1 and Figure 4.1 Also in the Appendix Table 4, the five year age group projections are given.

4.3 Results

Table 4.1 shows that regardless of the scenario, the total population of Liberia will increase from about 3.5 million persons in mid-year 2008 to at least 4.4 million persons by 2018. The low and medium scenarios show a consistent increase in population even though fertility is steadily declining (see Figure 4.2). Table 4.1 also shows the effect of population momentum due to a large number of women entering and moving through their childbearing years as displayed in Figure 4.1. The table indicates that if the medium fertility scenario is followed, the population would double by 2048 (in 40 years), triple by 2078 (in 70 years time) and go up 4 times by 2108 (in 100 years time). In addition, the high fertility scenario implies, doubling of 2008 population by 2043 (in 35 years), tripling by 2063 (in 55 years), quadrupling by 2078 (in 70 years), going up by five times by 2093 (in 85 years), increasing six times by 2093 (in 85 years) and seven times by 2108 (in 100 years from 2008). The tempo of the increase in population will depend on how fast Liberian women reduce their fertility.

However, the growth is not uniform across different age groups. As shown in Appendix Table 4, the disaggregated analysis present essential information for social sector planning since different age groups demand different services.

Table 4.1: Total Projections for the Different Scenarios, 2008 – 2108

Year	Low	Medium	High
2008	3,492,563	3,492,563	3,492,563
2013	3,860,047	3,926,692	3,932,362
2018	4,217,985	4,382,387	4,405,151
2023	4,551,495	4,844,381	4,906,231
2028	4,853,604	5,312,861	5,428,245
2033	5,120,345	5,785,250	5,992,169
2038	5,347,245	6,264,192	6,600,037
2043	5,522,145	6,754,066	7,259,622
2048	5,645,609	7,234,336	7,968,495
2053	5,732,828	7,716,603	8,736,639
2058	5,787,993	8,203,299	9,567,332
2063	5,789,029	8,702,712	10,479,670
2068	5,755,830	9,205,985	11,497,456
2073	5,695,035	9,719,318	12,635,078
2078	5,610,888	10,257,580	13,906,482
2083	5,503,537	10,825,600	15,332,520
2088	5,378,572	11,425,904	16,940,624
2093	5,245,943	12,063,838	18,762,090
2098	5,112,742	12,750,713	20,829,504
2103	4,982,732	13,500,214	23,182,604
2108	4,858,333	14,321,418	25,864,756

Figure 4.1: Projected Number of Women in Childbearing Years (15 -49 years) by Fertility Scenario, 2008-2108

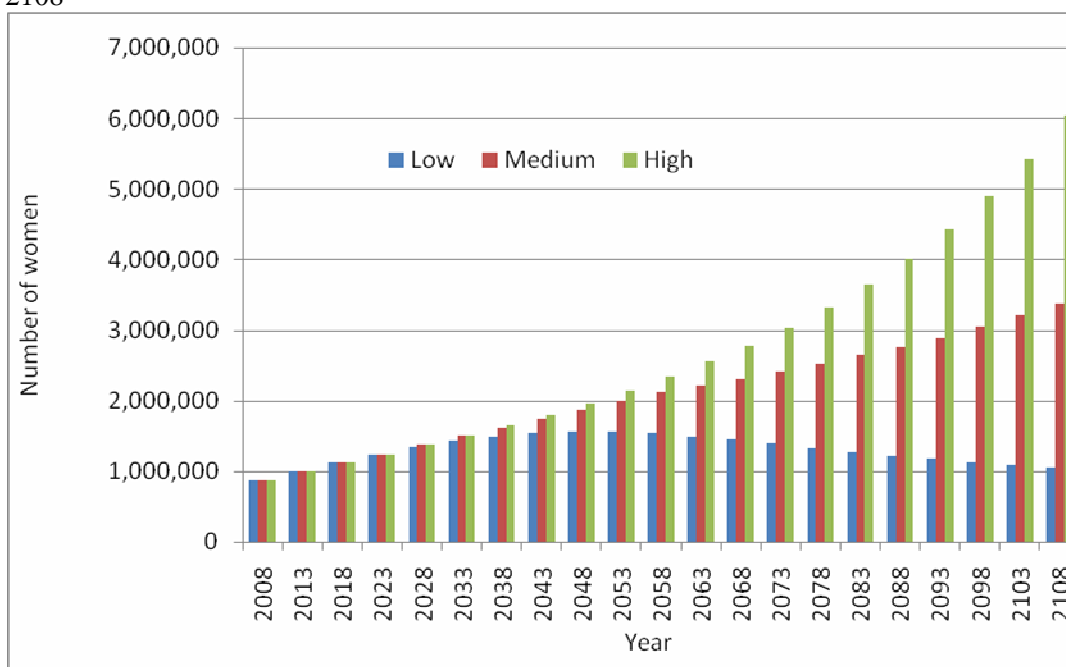
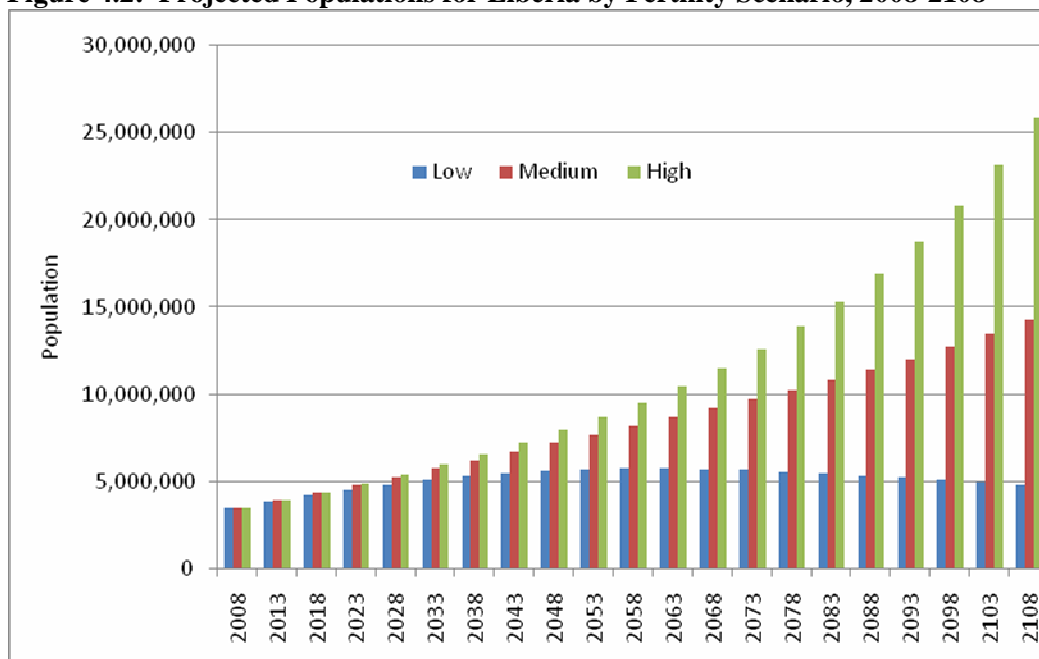


Figure 4.2: Projected Populations for Liberia by Fertility Scenario, 2008-2108



Another concise means of investigating the age distribution is by looking at the dependency ratio which measures the relative weight of the young and elderly population to the working age population. Although the dependency ratio under low and medium scenarios declines over time, it remains very high (Appendix Table 4). Under conditions of declining fertility, projected results indicate that the demographic dividend is not likely to occur in Liberia in the near future. If it is to come, it will be in about 43 year’s time from now. At such a time, the working population will have grown to at least 4.1 million persons under the low fertility scenario, 4.9 million for the medium and 5.1 million under the high fertility scenario (see Table 4.2 & Appendix Table 4). It is until such a significant shift in the age structure that Liberia will enjoy the potential social and economic benefits originating in part from a larger work force.

However, in the absence of the appropriate policy environment and available jobs, the demand for employment would become greater. If significant progress is made in future towards economic development, an increase in the adult population will be advantageous in that job seekers will be available for new jobs created, thus enhancing production.

Table 4.2: Projected Working Population by Three Fertility Scenario, 2008 – 2108

Year	Low	Medium	High
2008	1,916,979	1,916,979	1,916,979
2013	2,196,380	2,196,380	2,196,380
2018	2,518,497	2,518,497	2,518,497
2023	2,829,014	2,829,014	2,829,014
2028	3,136,426	3,195,731	3,200,704
2033	3,415,065	3,565,379	3,585,989
2038	3,653,670	3,924,601	3,981,286
2043	3,845,107	4,272,365	4,379,645
2048	3,980,987	4,602,624	4,795,526
2053	4,070,410	4,930,842	5,246,200
2058	4,113,923	5,273,380	5,750,226
2063	4,102,797	5,602,186	6,297,181
2068	4,044,234	5,918,687	6,887,613
2073	3,971,245	6,253,459	7,552,422
2078	3,847,644	6,561,566	8,253,494
2083	3,712,345	6,874,523	9,050,073
2088	3,578,380	7,206,229	9,958,531
2093	3,450,769	7,570,095	10,995,576
2098	3,326,343	7,968,944	12,165,266
2103	3,206,095	8,399,892	13,490,065
2108	3,100,845	8,861,144	14,993,508

4.4 Summary and Conclusion

Regardless of what will happens to the level of fertility in the future, medium fertility scenario which is closer to what is likely to happen shows that the population of Liberia will double its current size by 2048 due to unchanged age structure of the population for a long time because of the inbuilt population momentum which will fuel further growth. The working population will have doubled by 2038, thus putting additional pressure on the job market while that of women in childbearing years will shoot up almost 86 percent.

Chapter Five

County Population Projections

5.1 Introduction

Population indicators at county level are crucial for county planning and policy makers to use in making decisions on socio-economic development. This chapter makes population projections for Liberia's counties.

5.2 County Population projections

Most counties in Liberia have less than 300,000 people. It is recommended by the United Nations, that small populations be projected using the mathematical ratio method. The method has two advantages:

- It implicitly integrates county variation in fertility, mortality and migration as they cause populations to grow faster in some counties than others. This is clearly evidenced in share of county populations to the national total.
- It is simple and robust in nature because it assumes a constant rate of change for a short range of ten years. Because of these reasons, the county projections are made annually up to 2020.

While projecting county populations, the proportion each county formed to the national total during the 2008 census was calculated to give a proportion which each county would give to the national total in the subsequent years up to 2020 assuming the number of counties will remain as they were in 2008. To ensure equality between county and national totals, proportions were adjusted to 1. A medium projection is assumed in the projections; and the projected results up to the year 2020 from the medium fertility scenario are given in Table 5.1.

Table 5.1: Projected Population by County, 2008-2108 (Medium Fertility Scenario)

County	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Bomi	84505	86581	88661	90756	92872	95009	97168	99352	101560	103788	106035	108284	110533
Bong	335011	343242	351486	359794	368182	376654	385212	393873	402624	411457	420365	429282	438197
Gbarpolu	83771	85829	87890	89968	92065	94183	96324	98489	100677	102886	105114	107343	109573
Grand Bassa	222710	228182	233663	239185	244761	250394	256083	261840	267658	273530	279452	285380	291307
Cape Mount	127659	130796	133937	137103	140299	143527	146789	150089	153423	156789	160184	163582	166979
Grand Gedeh	125833	128924	132021	135141	138292	141474	144689	147942	151228	154546	157892	161242	164590
Grand Kru	58179	59608	61040	62483	63939	65410	66897	68401	69920	71454	73001	74550	76098
Lofa	278134	284967	291811	298708	305672	312706	319812	327001	334267	341600	348996	356399	363801
Margibi	210886	216068	221257	226487	231767	237100	242487	247939	253448	259008	264615	270229	275841
Maryland	136562	139917	143278	146664	150083	153537	157025	160556	164123	167723	171355	174990	178624
Monteserrado	1123373	1150973	1178617	1206474	1234601	1263009	1291709	1320748	1350092	1379712	1409582	1439484	1469380
Nimba	464146	475550	486972	498482	510103	521840	533698	545696	557820	570058	582400	594755	607107
River Cess	71837	73602	75370	77151	78950	80767	82602	84459	86335	88229	90140	92052	93964
River Gee	67096	68744	70395	72059	73739	75436	77150	78884	80637	82406	84190	85976	87761
Sinoe	102861	105388	107919	110470	113045	115647	118274	120933	123620	126332	129067	131805	134543

5.3 Results

Table 5.1 shows that in 12 years, the rural counties would have out grown their populations by over 30 percent. The population of Montserrado which hosts Liberia's primate city (Monrovia) would have grown by about 31 percent. It should be noted that the population of Montserrado is likely to grow beyond 1,469,930 as shown in Table 5.1 because the county's rate of growth is likely to be higher than the national average growth rate used in the projection. This is because of the urban nature of the county.

5.4 Summary and Conclusion

Regional projections at county level show similar trends in population growth in which Montserrado, Nimba, Bong and Lofa constitute 63 percent of the total population. By the year 2020, Liberia will have grown to about 4.9 million people of whom nearly 1.5 million people will be residing in Montserrado, while Nimba will have close to 607 thousand persons, Bong 438 thousands and Lofa 364 thousands. Other counties with a population of over 150 thousand will be Grand Bassa, Grand Cape Mount, Grand Gedeh, Margibi, and Maryland.

Chapter Six

Projection for Social Sector Population

6.1 Introduction

The different subsectors of the social sector were chosen for projection because they are strongly influenced by population growth. The analyses within each sector are required for detailed sectoral planning, policy making and to have clear picture of what would happen in the future should the components of population change remain as they are. The model projects population needs in terms of employment, education, healthcare, urbanization, water and sanitation, and agriculture using the RAPID module of SPECTRUM model (Stover, 2005). Projections exhibit the magnitude of social sector needs in Liberia in the years to come. Therefore, understanding the future needs of the population is important to forward looking planning that facilitates the positive potential of the population while mitigating the negative. In each sector, needs of the population were projected in terms of human and physical capital using the coverage rates in 2008 provided by their respective Ministries.

Worth noting is that during the first part of the projection period, small changes in service needs were expected due to high fertility rates for the three scenarios and short time frame of forward projection. However, in the long run, changes were observed more clearly. This chapter explores the difference a low or high fertility rate would make on the ability of the government to achieve its socioeconomic development goals.

6.2 Demand for Education Services

Education influences people's way of living and is strongly associated with decision making on issues such as reproductive health, infant and child mortality, and health seeking behavior. Government's implementation of the universal primary education programme (UPE) provides a foundation towards improved decision making and promotes socioeconomic development. Education for girls is fundamental if government is to achieve her reproductive health and poverty reduction strategy (PRS) goals.

In Liberia, education is provided by both the Government and private sector: public educational institutions, private educational institutions, mission and, community institutions. Students aged 6-12 are enrolled in 6 years of primary education, which is followed by 6 years in junior and senior secondary for student aged 13 – 18 years.

Available information from the Ministry of Education indicates that enrolment rate is 63.5 percent and the pupil teacher ratio is 45 (LISGIS & Ministry of Education, 2007). Considering the medium fertility scenario and assuming 100 percent enrolment by 2015 due to the MDG target of universal primary education (UPE), the number of children of school going age would increase by about 17 percent by middle of 2018 and 30 percent by 2023. However, this estimate ignores the effect of migration. Upholding the current levels of education services, the increase of 96,863 pupils by 2018 would require extra 6,733 teachers. It should be noted that the number of new teachers required by 2018 does not take into consideration retirement or death of some of the current teachers over the period. Therefore, far more teachers would be required to match the current levels. Table 6.1 presents the likely education service needs in 20 years time to come while Appendix Table 8 shows what it would be every year from 2008 for 100 years.

Table 6.1: Projected Numbers of Children of Primary School Age and Primary Teachers Required by 2023, 2008

Needs	Fertility Scenario	2008	2013	2018	2023	2028
Children of primary school age	Low	564,734	603,322	614,969	634,135	624,875
	Medium	564,734	603,322	661,597	735,424	767,082
	High	564,734	603,322	664,931	750,550	802,878
Primary teachers required	Low	7,969	12,009	13,666	14,092	13,886
	Medium	7,969	12,009	14,702	16,343	17,046
	High	7,969	12,009	14,776	16,679	17,842

According to the Ministry of Education, the student teacher ratio in secondary school is estimated to be 45 while the gross enrolment rate is about 25.8. Maintaining the current level of student teacher ratio of 45 throughout the projection period and assuming 100 percent increase (51.6%) in enrolment by 2015, the projected number of new teachers required in secondary schools by 2028 is presented in Table 6.2.

Results in the table show the impact of population growth on the number of new teachers required. Considering a medium variant projection, 5,615 extra teachers would be required by 2015. Similarly, the number of children of secondary going age would shoot up to 701,770 by 2028 from 469,415 in 2008.

Table 6.2: Projected Numbers of Children of Secondary School Age and Secondary Teachers Required by 2023, 2008

Need	Fertility Scenario	2008	2013	2018	2023	2028
		Children of Secondary school age	Low	469,415	522,365	579,226
	Medium	469,415	522,365	579,226	610,424	701,770
	High	469,415	522,365	579,226	611,346	711,330
Secondary teachers required	Low	2,691	5,134	6,642	6,765	7,097
	Medium	2,691	5,134	6,642	7,000	8,047
	High	2,691	5,134	6,642	7,010	8,157

6.3 Demand for Health Services

Projection of healthcare requirements is important because it provides an estimate about the number of physicians, nurses, and primary health centers which would be needed in future to respond to the country's health needs. In this case, healthcare needs of the population were projected in terms of the number of physicians and nurses, based on the current situation and a scenario based on World Health Organization (WHO) standard ratios (see Table 6.3). The table also shows other healthcare needs projected in terms of number of hospitals and primary health centers, and the population at high risk. Persons at high health risk are the persons under age 5 plus all women in the childbearing years. They are regarded to be at high health risk because they are exposed to certain typical risks (i.e. high mortality and morbidity due to lack of access to access to basic social services), because of their age and sex. The projection used coverage rates in 2008 for the Ministry of Health, where the population to physician ratio was 30,766, population per nurse of 2,496, population per health center of 7,477, population per hospital of 112,149 while the per capita health expenditure was 29 United States dollars.

By examining trends in healthcare needs under the medium fertility scenario, Table 6.3 demonstrates a need for at least 44 more physicians, 542 nurses, 181 health centers, 12 hospitals, over 39 million dollars and about 1.9 million persons at high risk by the year 2023 if Liberia is to maintain its current levels. In order to bring the levels of health services up to those of the World Health Organization (WHO), far more physicians and nurses would be required. About 819 more physicians and 5,033 extra nurses will be needed simply to match the WHO ratio by 2023. Projected health requirements beyond

2028 have been summarized in Appendix Table 9. It should be noted that the number of physicians and nurses do not take into consideration those who retire during the period or cease to serve due to other reasons. Therefore, what is quoted in the current situation is the minimum figure.

Table 6.3: Projected Number of Physicians, Nurses, Primary Health Centers, Hospitals, Annual Expenditure and Population at High risk by 2028, Liberia (Medium Scenario)

Needs	Projection	2008	2013	2018	2023	2028
Physicians required	Current situation	113	128	142	157	173
	WHO level ¹	699	787	881	976	1073
Nurses required	Current situation	1399	1573	1756	1941	2129
	WHO level ²	4989	5624	6295	6974	7663
Health Centers required (Private & Public)		467	525	586	648	711
Hospitals required		31	35	39	43	47
Additional Annual Health Expenditure in US million dollars		101.3	113.9	127.1	140.5	142.3
Population at high risk in millions		1.4	1.6	1.8	1.9	2.1

¹ Estimation of Physicians required, based on WHO Doctor Patient Ratio of 1:5000

² Estimation of Nurses required, based on WHO Nurse Patient Ratio of 1:700

6.4 Demand for Labour Services

Projection of the size of persons aged 15–64 years provides an indication of the potential size of the future labor force. It shows a rough estimate of the future number of additional jobs that need to be created given the current situation about the stock of jobs. The current labor force participation rate (LFPR) in Liberia was estimated to be about 53.1% of the working age population; and is moderate because of a relatively low participation of women (48.6%) due to the low levels of education ((LISGIS, 2008) and also, the effect of the civil conflict. In the next 20 years, there is little evidence to suggest any significant change.

However, as the economy recovers from the effects of the civil conflict, LFPR is assumed to increase to about 70 percent for both females and males by end of the century. Therefore, the projection needs were in terms of labor force and minimum number of new jobs required.

Due to the high population growth rate and youthful population resulting from the natural fertility regime and the population momentum, in the next 20 years, as shown in Table 6.4, the increase in labor force will be between 76 – 79 percent. During the same period, between 37,858 and 47,671 new jobs will have to be available to reach full employment in Liberia. If the government aims at reaching 15 percent unemployment by 2028, between 104,103 and 120,438 new jobs, according to the LFPR, would be required.

Table 6.4: Projected Labour Force and Required New Job by fertility scenario. 2008-2028, Liberia, 2008

Needs	Fertility Scenario	2008	2013	2018	2023	2028
Labour force	Low	974,577	1,137,730	1,328,719	1,519,524	1,714,731
	Medium	974,577	1,137,730	1,328,719	1,519,524	1,747,175
	High	974,577	1,137,730	1,328,719	1,519,524	1,749,895
New jobs required	Low	30,699	36,112	39,738	39,753	37,858
	Medium	30,699	36,112	39,738	44,952	46,468
	High	30,699	36,112	39,738	45,112	47,671

6.5 Demand for Urban Services

Liberia has been experiencing expansion of its urban centers. The urban population has been growing mainly due to rural to urban migration from the countryside as many people migrated to Montserado County for safety during the civil conflict. According to the 2008 population and housing census, nearly 47 percent of the population lived in urban areas. Furthermore, 63 percent of the urban population were in the major city while the household size was 4.9. Worth noting is that urban areas need to keep up with the ever-increasing population demands for urban infrastructure and needs of urban employment. Failure to do so, cities can become unhealthy which may hinder development and modernization. Urban projection needs were projected in terms of total urban population, population in major city, urban youth and urban households and results are summarized in Table 6.5.

The table shows the potential for the urban population to grow according to the three fertility scenarios. By 2028, total urban population, population in major city and number of households would have increased between 40 and 56 percent. The number of urban youth who are aged between 12 to 25 years is expected to go up between 1.3 and 1.4 times. Most important is that government should increase the availability of basic services, urban infrastructure, and employment to enable urban areas to keep up with the urban population growth.

Table 6.5: Projected Total Urban and Rural Population by fertility Scenario 2008-2028, Liberia, 2008

Fertility Scenario	2008	2013	2018	2023	2028
Urban Population					
Low	1,633,824	1,814,222	1,982,453	2,139,203	2,281,194
Medium	1,633,824	1,845,545	2,059,722	2,276,859	2,497,045
High	1,633,824	1,848,210	2,070,421	2,305,929	2,551,275
Population in Major City					
Low	1,029,309	1,142,960	1,248,945	1,347,698	1,437,152
Medium	1,029,309	1,162,694	1,297,625	1,434,421	1,573,138
High	1,029,309	1,164,372	1,304,365	1,452,735	1,607,303
Urban Households					
Low	333,433	370,249	404,582	436,572	465,550
Medium	333,433	376,642	420,351	464,665	509,601
High	333,433	377,186	422,535	470,598	520,668
Urban Youth (Aged 12-25)					
Low	498,101	545,672	599,971	638,570	661,364
Medium	498,101	546,793	601,951	656,960	719,561
High	498,101	546,887	602,258	658,579	726,997

6.6 Projection of Rural Population

Given the projected urban centres, it is possible to obtain the projected rural population as the difference between the projected total minus the urban population. The results are displayed in Table 6.6. It can be seen from the table that rural areas are expected to increase in population. Hence there is need to plan services for the increased population in terms of infrastructure and social services.

Table 6.6: Projected Rural Population by Fertility Scenario 2008-2028, Liberia, 2008

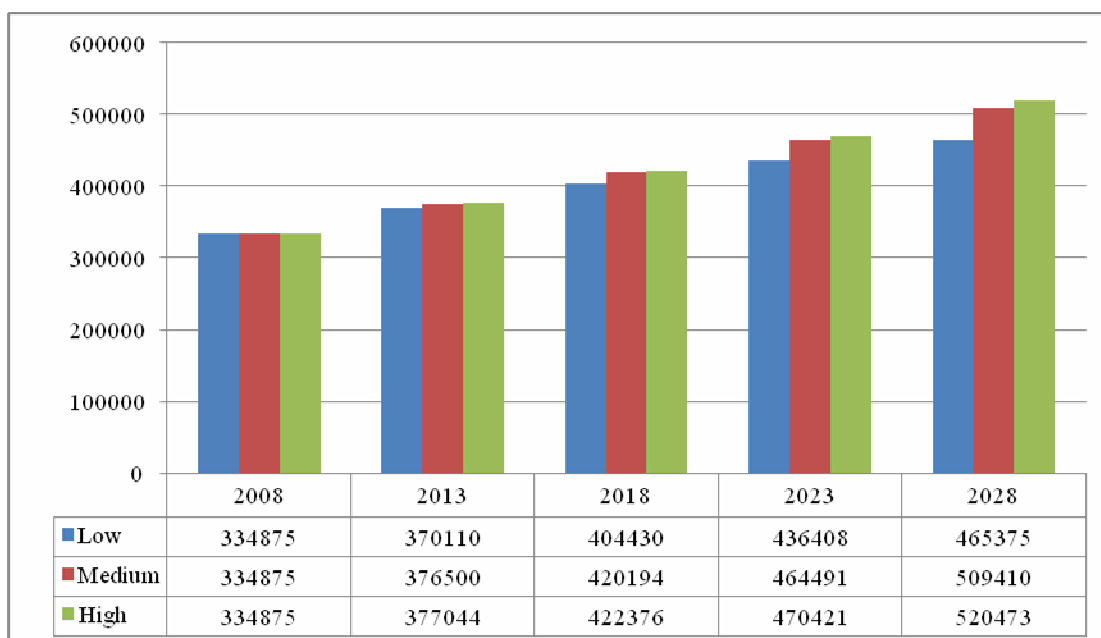
Fertility Scenario	2008	2013	2018	2023	2028
Rural Population					
Low	1858739	2045825	2235532	2412292	2572410
Medium	1858739	2081147	2322665	2567522	2815816
High	1858739	2084152	2334730	2600302	2876970

6.7 Projection of Agriculture Output

Agricultural output projection in Liberia is important because planners and policy makers are able to determine the food security status of the country (MoPEA, 2007). Usually, this is done by using the produce of major crop in thousand metric tons and arable land under agriculture in million hectares as inputs in the base year. However, one of the limitations of the 2008 census data is that it did not focus on the above two quantities; instead, concentration was on the number of households having a member involved in agriculture

or livestock farming. The weakness of this approach is that it fails to measure the amount of food required by the population at a future date. Although the mathematical ratio method may be used in this report, the reader needs to be mindful of this weakness. Using the coverage rates of 2008 census, 48.9 percent of the households had a member in agriculture or livestock. Upholding the proportion of households involved in agriculture for year 2008, employing the mathematical ratio method and household size of 5.1, the projected number of households having a member involved in agriculture or livestock in the next 10 years is demonstrated in Figure 6.1.

Figure 6.1: Number of Households with a Member Involved in Agriculture by 2023



6.8 Water and Sanitation Requirements

The seventh millennium development goal underscores the importance of access to safe drinking water and basic sanitation and advises countries to halve the proportion of people without sustainable access to safe drinking water and good sanitation by 2015. It is along the same ground that the government of Liberia Poverty Reduction Strategy (PRS) draws attention to environment sustainability under Pillar II. In demographic analysis, water and sanitation are essential because they influence the health conditions of the people and demographic variables such as morbidity and mortality. On health grounds, unsafe water and poor waste disposal fuel the spread of water and air-borne diseases among the households.

Projection of water is important to social sector planning because planners use such projections to determine water requirements in future as population grows while projection of sanitation is essential to determine the percentage of people with unsanitary conditions. Such information is important because it can be used to design intervention strategies to prevent the spread of diseases. The 2008 census captured data on the source of drinking water as well as the type of human waste disposal. Results indicated that 51.7 percent had unsafe drinking water and 65.4 percent, poor sanitary conditions. In projection, these were used as baseline indicators. Maintaining the 2008 census indicators and using the mathematical ratio method and the average household size of 5.1, Table 6.7 shows the number of projected households with unsafe drinking water and poor sanitary conditions during 2008 - 2023. The table shows that regardless of the fertility scenario, the number of households without safe drinking water or with poor waste disposal would increase between 40 and 51 percent.

Table 6.7: Projected Numbers of Households without Safe Drinking Water and with Poor Sanitation by Fertility Scenario by 2023

Fertility Scenario	2008	2013	2018	2023
Unsafe water				
Low	354050	402774	450376	495277
Medium	354050	410173	468956	528708
High	354050	410798	471514	535722
Poor Sanitation				
Low	447870	509505	569722	626521
Medium	447870	518865	593225	668810
High	447870	519656	596461	677683

6.9 Summary and Conclusion

The age structure of Liberia’s population puts pressure on the public sectors, such as education, labour force and healthcare. To respond to the education needs without being mindful of improvement in quality of services, at least 13,886 additional teachers in primary will be required by 2028. While during the same period, children of primary school age would increase between 11 – 42 percent. Considering the medium scenario and maintaining current levels of access to health services, Liberia will require 59 additional

physicians, 730 additional nurses, 244 new health centers and clinics (public & private), 16 new hospitals and, an extra 53 million dollars by the year 2028.

Based on the labour force projections, it appears that, unless immediate and large-scale improvements are made to the economy in Liberia, unemployment levels are expected to rise sharply over the next twenty years. Between 30,699 and 46,468 new jobs will be needed by 2028 to accommodate the workforce and if the government wants to attain 15 percent level of unemployment, the number of new jobs would be between 104,103 and 120,438. By examining the urban needs, there is potential for urban population growth regardless of the fertility scenario. By 2028, urban population would have increased by at least 40 percent which will put pressure on the available basic services, infrastructure, and employment in the urban centers.

Chapter Seven

Policy Implications and Way Forward

7.1 Introduction

This chapter presents a wrap up of the analysis of the projected population. Firstly, the key findings in the report are presented. The next section of the chapter presents policy implications of the projected population. Lastly, the way forward in terms of policy recommendations are made.

7.2 Summary of Key Findings

The 2008 census data was evaluated and was found to have content errors in form of age misreporting and digit preference. Quality assessment was done and data corrected. Since the census was conducted in March, the smoothed data was updated to midyear population and taken to be the base year population. Three assumptions of low, medium and high fertility scenarios were used to project the population for the next 100 years. In the short run, the projected populations from the three scenarios were close to each other. However, because of the population momentum, the differences between the scenarios widened with the increasing period of projection. While the low scenario ended with the total population of 4.9 million, the medium scenario resulted into 14.3 million and the high scenario led to 25.9 million people in a hundred years. Short term projections for counties and social sectors of education, health, labour, urban centres, rural areas, agriculture and water and sanitation were made. In all these areas and sectors, there is increased demand for services due to expected increased population.

7.3 Policy Implication

Projected population over the years indicates that Liberia has and will continue to have a young age structure. This is critical to the country's development goals of improving people's quality of life. The young population structure will increase the cost of education and health care as the demand for education and health care increases due to the ever increasing population of school age children and population at high risk of ill health respectively.

The age structure from the projected population demonstrates that unless urgent and large-scale improvements are made to the economy in Liberia, unemployment levels are expected to rise sharply over the next twenty years. In addition, urban population will grow by at least 40 percent by 2028 regardless of the fertility scenario and this will put pressure on the available basic services, infrastructure, and employment.

Although urban areas were used as safety nets during the civil war by rural migrants, they have potential for growth. This is likely to put pressure on urban infrastructure, water and

sanitation facilities, housing, health, educational and recreation facilities in the future. In addition, the few available employment opportunities make unemployed migrant youth susceptible to crime, which creates increasing opportunities for greater social crisis in urban areas.

7.4 Way Forward

Two main issues have come out of these projections. First, population momentum and its effects on the social sector, second, the unsustainable urban population growth and third, the limitations of the 2008 census data used as the baseline. The Government of Liberia may want to address them and some of the recommendations are:

Actions required to address population momentum include:

- Empowering women by involving them in decision making concerning family planning matters and desired number of children so that fertility can decline faster than before.
- There is need to address the gender gap in tertiary education. This will enable women to take on professional and technical jobs that would compete with childbearing and child rearing and lead to reduced fertility, the source of population momentum. Better tertiary education opportunities for women will reduce women's dependency on marriages as a source of livelihood.
- Government should address the gender gap in formal employment since formally employed women have been found to have fewer children.
- Government in collaboration with development partners should develop information, education and communication strategies that are mindful of different social groups which include in and out of school adolescent boys and girls, youth and married couples.

Action to address a growing urban population

There is need to develop private and public partnership in providing infrastructure for urban areas for the growing urban population.

Actions required to address data quality include the need to:

- Sensitize people on the importance of giving correct information;
- Carry out an agricultural census to establish the status of food security in the country and arable land in million hectares;

- Analyze the post enumeration census data so as to establish the extent of under coverage errors; and
- Regularly review the projections in order to update the existing gaps for proper planning.
- Utilize the below indicators for Government’s 2030 visioning processes in order to address the social and economic development problems of Liberia.
- Procure and use other new UN software (e.g., RUP) that provides specification that accommodates the projection of the major components of population change (fertility, mortality and migration) ensures Rural/Urban Projections.
- Utilize the following projected indicators for short and medium term development purpose up to 8 years after Vision 2030:

Table 6.8. Population and Social Services Projections UP to 2038

Indicator	2008	2018	2038
Population*	3,492,563	4,382,387	6,264,192
Working population	1,916,979	2,518,497	3,924,601
Women in childbearing years	872,148	1,121,606	1,633,008
Total fertility rate (TFR)	5.8	4.9	3.5
Life expectancy at birth (males)	51.6	54.0	58.6
Life expectancy at birth (females)	53.9.	66.2	60.9
Life expectancy at birth (Both sexes)	52.7	55.0	59.7
Dependency Ratio	0.82	0.74	0.6
Social Sector Indicators at current ratios			
Children of primary school age	564,734	670,010	828,199
Primary teachers required	7,969	14,889	18,404
Children of Secondary school age	469,415	571,525	767,391
Secondary school teachers required	2,691	6,553	8,799
Physicians required	113	143	207
Nurses required	1,399	1,766	2,547
Labour force	974,577	1,334,886	2,246,406
New jobs required	31,325	38,323	48,455
Total urban population	1,633,824	2,071,089	2,987,236
Population in Major City	1,029,309	1,304,786	1,881,958
Urban Households	333,433	422,671	609,640

* Midyear Population

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Appendices

Technical Note

Explanatory Notes on Population Analysis Spreadsheet (PAS)

PAS system is a set of Excel spreadsheets that have been developed to help in analyzing demographic data and preparing population projections. It has a set of spreadsheet for demographic analysis and the PAS menu with macros to facilitate the use of spreadsheets.

In constructing Liberia National Population Projections, the following PAS modules have been used;

AGESMTH: This spreadsheet corrects irregularity in age and sex data, and digit preference. It uses five smoothing techniques including the Carrier Farrag, Karup-King Newton, United Nations, strong moving and the Arriaga light smoothing which adjusts the population distribution in the first and last 10 year age groups and incorporates the outcome into 5 year age groups.

SINGAGE: This spreadsheet detects and evaluates irregularities which could be due to age misreporting and digit preference.

MOVEUP: The spreadsheet estimates the population by age and sex for a desired date. The total population at a desired date is derived based on the reported population at a specified date, age specific central death rates by sex, age specific fertility rates, and the annual net number of migrants. The population by age and sex is then proportionally adjusted to the total population at a desired date.

TFRLST.XLS: The spreadsheet interpolates and extrapolates total fertility rate using the logistic function to generate trends in fertility patterns for the projection period.

LTPOPDTH.XLS: The spreadsheet computes a life table from deaths and population by age and has an option for using an independently estimated infant mortality rate. Also, it produces a lifetable based on central ${}_n m_x$ values smoothed by moving average of the logarithms.

EOLGST.XLS: This spreadsheet interpolates and extrapolates life expectancies at birth by sex. It fits a logistic function using 2 to 17 life expectancies at birth given the values of upper and lower asymptotes.

GBAL: The spreadsheet estimates the completeness of reporting of adult deaths using the Brass growth balance equation method. Estimates are based on

fitting a straight line to certain points on the graph of the birth rate versus the partial death rate. It allows the user to estimate two lines using the group mean method.

Table 1 : Liberia Male Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0445	0.0429	100,000	4,291	96,421	5157099.1	51.6
1	0.0142	0.0549	95,709	5,252	369,833	5060678.2	52.9
5	0.0054	0.0266	90,458	2,410	446,264	4690845.6	51.9
10	0.0062	0.0305	88,048	2,688	433,520	4244582.0	48.2
15	0.0049	0.0242	85,360	2,066	421,653	3811062.4	44.6
20	0.0068	0.0334	83,294	2,786	409,656	3389409.0	40.7
25	0.0068	0.0334	80,508	2,692	395,936	2979752.9	37.0
30	0.0091	0.0445	77,816	3,463	380,534	2583817.4	33.2
35	0.0087	0.0426	74,353	3,166	363,957	2203283.0	29.6
40	0.0117	0.0569	71,187	4,049	346,076	1839325.6	25.8
45	0.0134	0.0649	67,137	4,357	325,137	1493249.8	22.2
50	0.0195	0.0930	62,781	5,840	299,478	1168112.3	18.6
55	0.0188	0.0899	56,941	5,118	272,259	868633.9	15.3
60	0.0327	0.1520	51,822	7,880	240,965	596375.2	11.5
65	0.0671	0.2894	43,943	12,717	189,516	355410.4	8.1
70	0.1414	0.5219	31226	16,297	115262	165894.5	5.3
75	0.2949	...	14929	14,929	50632	50632.3	3.4

Table 2 : Liberia Female Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0377	0.0365	100000	3654	96929.1	5390156.6	53.9
1	0.0125	0.0485	96346	4669	373544.3	5293227.6	54.9
5	0.0047	0.0232	91676	2129	453058.9	4919683.3	53.7
10	0.0037	0.0183	89547	1641	443631.9	4466624.3	49.9
15	0.0047	0.0232	87906	2043	434717.8	4022992.5	45.8
20	0.0078	0.0383	85862	3286	421286.6	3588274.7	41.8
25	0.0067	0.0330	82576	2721	406122.8	3166988.1	38.4
30	0.0090	0.0440	79855	3515	390526.2	2760865.2	34.6
35	0.0077	0.0378	76341	2884	374545.5	2370339.0	31.0
40	0.0106	0.0517	73457	3795	358022.3	1995793.5	27.2
45	0.0114	0.0555	69662	3863	338869.7	1637771.2	23.5
50	0.0156	0.0751	65799	4942	316793.4	1298901.5	19.7
55	0.0155	0.0747	60857	4546	293283.7	982108.1	16.1
60	0.0268	0.1263	56311	7110	265307.1	688824.4	12.2
65	0.1162	...	49200	49200	423517.3	423517.3	8.6

Table 3 : Urban Life Expectancy for Both Sexes, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0371	0.0360	100000	3596	96928.6	5444577.1	54.4
1	0.0103	0.0402	96404	3874	376104.1	5347648.54	55.5
5	0.0037	0.0183	92530	1696	458410.1	4971544.46	53.7
10	0.0035	0.0173	90834	1576	450230.3	4513134.36	49.7
15	0.0035	0.0174	89258	1549	442558.8	4062904.07	45.5
20	0.0056	0.0276	87709	2423	432723.2	3620345.31	41.3
25	0.0059	0.0291	85286	2480	420389.2	3187622.09	37.4
30	0.0081	0.0397	82806	3288	405977.2	2767232.85	33.4
35	0.0082	0.0402	79517	3196	389727.5	2361255.6	29.7
40	0.0107	0.0521	76321	3979	371872.8	1971528.09	25.8
45	0.0118	0.0574	72342	4150	351708.1	1599655.31	22.1
50	0.0185	0.0885	68192	6036	326288.8	1247947.16	18.3
55	0.0198	0.0945	62156	5872	296565.4	921658.391	14.8
60	0.0330	0.1534	56284	8633	261602.9	625092.943	11.1
65	0.1311	...	47651	47651	363490.1	363490.057	7.6

Table 4 : Urban Male Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0406	0.0393	100000	3925	96684.4	5312011.09	53.1
1	0.0113	0.0440	96075	4225	373883.0	5215326.65	54.3
5	0.0040	0.0198	91850	1819	454701.7	4841443.69	52.7
10	0.0048	0.0237	90031	2135	444816.8	4386742.0	48.7
15	0.0038	0.0188	87896	1654	435382.9	3941925.2	44.8
20	0.0056	0.0276	86241	2382	425424.3	3506542.27	40.7
25	0.0057	0.0281	83859	2357	413572.6	3081118.0	36.7
30	0.0084	0.0412	81502	3355	399350.4	2667545.39	32.7
35	0.0086	0.0421	78147	3291	382658.6	2268195.0	29.0
40	0.0114	0.0555	74856	4151	364107.8	1885536.37	25.2
45	0.0122	0.0593	70705	4190	343419.1	1521428.62	21.5
50	0.0196	0.0935	66516	6222	317442.3	1178009.5	17.7
55	0.0205	0.0977	60294	5889	287280.5	860567.2	14.3
60	0.0372	0.1714	54405	9326	250699.6	573286.7	10.5
65	0.1397	...	45079	45079	322587.1	322587.1	7.2

Table 5 : Urban Female Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0336	0.0327	100000	3265	97180.0	5582611.7	55.8
1	0.0093	0.0364	96735	3519	378334.9	5485431.6	56.7
5	0.0034	0.0169	93216	1571	462152.9	5107096.7	54.8
10	0.0023	0.0114	91645	1048	455604.9	4644943.9	50.7
15	0.0033	0.0164	90597	1483	449541.2	4189339.0	46.2
20	0.0056	0.0276	89114	2462	439690.0	3739797.8	42.0
25	0.0060	0.0296	86651	2562	426996.3	3300107.8	38.1
30	0.0078	0.0383	84089	3218	412517.3	2873111.5	34.2
35	0.0077	0.0378	80872	3055	396815.9	2460594.2	30.4
40	0.0098	0.0479	77816	3724	379985.9	2063778.3	26.5
45	0.0112	0.0545	74092	4040	360740.1	1683792.4	22.7
50	0.0172	0.0826	70052	5783	336225.6	1323052.3	18.9
55	0.0189	0.0903	64269	5807	307227.4	986826.7	15.4
60	0.0289	0.1355	58462	7921	274090.4	679599.3	11.6
65	0.1246	...	50541	50541	405508.9	405508.9	8.0

Table 6 : Rural Life Expectancy for Both Sexes, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0443	0.0427	100000	4272	96434.2	5095116.5	51.0
1	0.0155	0.0597	95728	5716	368761.2	4998682.3	52.2
5	0.0062	0.0305	90012	2748	443191.4	4629921.1	51.4
10	0.0065	0.0320	87264	2791	429345.0	4186729.7	48.0
15	0.0062	0.0305	84474	2580	416072.4	3757384.7	44.5
20	0.0092	0.0450	81894	3683	400357.4	3341312.3	40.8
25	0.0077	0.0378	78211	2954	383671.7	2940954.9	37.6
30	0.0100	0.0488	75256	3671	367085.9	2557283.1	34.0
35	0.0083	0.0407	71586	2911	350690.7	2190197.2	30.6
40	0.0116	0.0564	68675	3874	333963.9	1839506.6	26.8
45	0.0131	0.0635	64801	4113	313942.9	1505542.6	23.2
50	0.0171	0.0820	60688	4976	290998.0	1191599.7	19.6
55	0.0155	0.0747	55712	4161	268439.3	900601.8	16.2
60	0.0276	0.1298	51551	6691	242434.5	632162.5	12.3
65	0.0560	0.2474	44860	11101	198224.7	389727.9	8.7
70	0.1763	...	33760	33760	191503.2	191503.2	5.7

Table 7 : Rural Male Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0475	0.0457	100000	4571	96224.2	5011458.8	50.1
1	0.0162	0.0623	95429	5945	366946.9	4915234.5	51.5
5	0.0064	0.0315	89485	2818	440378.0	4548287.6	50.8
10	0.0075	0.0368	86666	3190	425356.5	4107909.6	47.4
15	0.0060	0.0296	83476	2467	411221.5	3682553.1	44.1
20	0.0081	0.0397	81009	3217	397132.6	3271331.6	40.4
25	0.0079	0.0387	77792	3014	381496.0	2874199.1	36.9
30	0.0098	0.0478	74778	3577	364957.4	2492703.0	33.3
35	0.0088	0.0431	71202	3066	348411.3	2127745.6	29.9
40	0.0119	0.0578	68136	3941	331139.4	1779334.3	26.1
45	0.0145	0.0700	64195	4496	310062.7	1448194.9	22.6
50	0.0195	0.0930	59699	5550	284613.2	1138132.3	19.1
55	0.0175	0.0839	54149	4543	259623.6	853519.1	15.8
60	0.0298	0.1394	49606	6916	232084.9	593895.5	12.0
65	0.1180	...	42690	42690	361810.6	361810.6	8.5

Table 8 : Rural Female Life Expectancy, 2008

Age	m(x,n)	q(x,n)	l(x)	d(x,n)	L(x,n)	T(x)	e(x)
0	0.0409	0.0396	100000	3956	96711.6	5195524.0	52.0
1	0.0148	0.0571	96044	5480	370257.3	5098812.3	53.1
5	0.0058	0.0286	90565	2589	446351.3	4728555.0	52.2
10	0.0054	0.0266	87976	2344	434020.0	4282203.6	48.7
15	0.0064	0.0315	85632	2699	421740.0	3848183.7	44.9
20	0.0103	0.0502	82933	4164	404302.5	3426443.7	41.3
25	0.0075	0.0368	78769	2899	386538.7	3022141.2	38.4
30	0.0101	0.0493	75870	3737	369958.7	2635602.5	34.7
35	0.0078	0.0383	72133	2760	353786.2	2265643.8	31.4
40	0.0113	0.0550	69374	3814	337557.3	1911857.6	27.6
45	0.0116	0.0564	65559	3696	318652.1	1574300.4	24.0
50	0.0144	0.0695	61863	4299	298552.7	1255648.2	20.3
55	0.0132	0.0640	57564	3682	278952.7	957095.5	16.6
60	0.0256	0.1210	53881	6518	254622.9	678142.8	12.6
65	0.1118	...	47363	47363	423519.9	423519.9	8.9

Table 9: Spectrum Projections for the different scenarios by age and sex and by 5 year age groups; 2008 – 2108

	Low			Medium			High		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2008									
0-4	539,535	273,125	266,410	539,535	273,125	266,410	539,535	273,125	266,410
5-9	489,728	247,915	241,813	489,728	247,915	241,813	489,728	247,915	241,813
10-14	426,185	217,520	208,665	426,185	217,520	208,665	426,185	217,520	208,665
15-19	378,724	190,573	188,151	378,724	190,573	188,151	378,724	190,573	188,151
20-24	345,038	165,291	179,747	345,038	165,291	179,747	345,038	165,291	179,747
25-29	295,759	140,534	155,225	295,759	140,534	155,225	295,759	140,534	155,225
30-34	234,990	113,395	121,595	234,990	113,395	121,595	234,990	113,395	121,595
35-39	192,183	95,021	97,162	192,183	95,021	97,162	192,183	95,021	97,162
40-44	156,192	81,861	74,331	156,192	81,861	74,331	156,192	81,861	74,331
45-49	120,950	65,013	55,937	120,950	65,013	55,937	120,950	65,013	55,937
50-54	79,979	43,830	36,149	79,979	43,830	36,149	79,979	43,830	36,149
55-59	60,741	32,733	28,008	60,741	32,733	28,008	60,741	32,733	28,008
60-64	52,423	25,632	26,791	52,423	25,632	26,791	52,423	25,632	26,791
65-69	41,092	19,515	21,577	41,092	19,515	21,577	41,092	19,515	21,577
70-74	29,991	14,265	15,726	29,991	14,265	15,726	29,991	14,265	15,726
75-79	19,128	9,884	9,244	19,128	9,884	9,244	19,128	9,884	9,244
80+	29,925	14,432	15,493	29,925	14,432	15,493	29,925	14,432	15,493
Total	3,492,563	1,750,539	1,742,024	3,492,563	1,750,539	1,742,024	3,492,563	1,750,539	1,742,024
2009									
0-4	544,575	275,719	268,856	556,306	281,631	274,675	556,667	281,813	274,854
5-9	497,614	251,720	245,894	497,614	251,720	245,894	497,614	251,720	245,894
10-14	436,411	222,624	213,787	436,411	222,624	213,787	436,411	222,624	213,787
15-19	384,531	194,697	189,834	384,531	194,697	189,834	384,531	194,697	189,834
20-24	350,043	169,093	180,950	350,043	169,093	180,950	350,043	169,093	180,950
25-29	304,845	144,693	160,152	304,845	144,693	160,152	304,845	144,693	160,152
30-34	244,351	117,428	126,923	244,351	117,428	126,923	244,351	117,428	126,923
35-39	198,082	97,185	100,897	198,082	97,185	100,897	198,082	97,185	100,897
40-44	161,524	83,664	77,861	161,524	83,664	77,861	161,524	83,664	77,861
45-49	127,063	67,959	59,104	127,063	67,959	59,104	127,063	67,959	59,104
50-54	85,539	46,657	38,882	85,539	46,657	38,882	85,539	46,657	38,882
55-59	61,752	33,540	28,213	61,752	33,540	28,213	61,752	33,540	28,213
60-64	52,215	25,933	26,282	52,215	25,933	26,282	52,215	25,933	26,282
65-69	41,242	19,576	21,666	41,242	19,576	21,666	41,242	19,576	21,666
70-74	29,977	14,145	15,831	29,977	14,145	15,831	29,977	14,145	15,831
75-79	18,028	9,159	8,869	18,028	9,159	8,869	18,028	9,159	8,869
80+	28,850	14,024	14,825	28,850	14,024	14,825	28,850	14,024	14,825
Total	3,566,641	1,787,817	1,778,825	3,578,372	1,793,728	1,784,644	3,578,733	1,793,910	1,784,823
2010									
0-4	548,764	277,852	270,912	572,672	289,913	282,759	573,760	290,462	283,298
5-9	503,805	254,821	248,984	503,805	254,821	248,984	503,805	254,821	248,984
10-14	447,324	227,874	219,449	447,324	227,874	219,449	447,324	227,874	219,449
15-19	391,145	198,904	192,241	391,145	198,904	192,241	391,145	198,904	192,241
20-24	354,281	172,943	181,338	354,281	172,943	181,338	354,281	172,943	181,338
25-29	313,213	148,590	164,623	313,213	148,590	164,623	313,213	148,590	164,623
30-34	254,550	121,860	132,689	254,550	121,860	132,689	254,550	121,860	132,689
35-39	204,101	99,575	104,526	204,101	99,575	104,526	204,101	99,575	104,526
40-44	166,902	85,292	81,610	166,902	85,292	81,610	166,902	85,292	81,610
45-49	132,598	70,585	62,013	132,598	70,585	62,013	132,598	70,585	62,013
50-54	92,095	49,944	42,152	92,095	49,944	42,152	92,095	49,944	42,152
55-59	63,204	34,454	28,751	63,204	34,454	28,751	63,204	34,454	28,751
60-64	51,926	26,294	25,632	51,926	26,294	25,632	51,926	26,294	25,632
65-69	41,513	19,699	21,814	41,513	19,699	21,814	41,513	19,699	21,814
70-74	29,807	14,012	15,795	29,807	14,012	15,795	29,807	14,012	15,795
75-79	17,812	8,841	8,971	17,812	8,841	8,971	17,812	8,841	8,971
80+	27,368	13,396	13,972	27,368	13,396	13,972	27,368	13,396	13,972
Total	3,640,407	1,824,935	1,815,472	3,664,316	1,836,996	1,827,319	3,665,403	1,837,545	1,827,858
2011									
0-4	553,243	280,061	273,183	590,232	298,733	291,499	592,430	299,842	292,588
5-9	507,468	256,793	250,676	507,468	256,793	250,676	507,468	256,793	250,676

10-14	458,489	233,139	225,350	458,489	233,139	225,350	458,489	233,139	225,350
15-19	398,641	203,256	195,385	398,641	203,256	195,385	398,641	203,256	195,385
20-24	358,204	176,843	181,361	358,204	176,843	181,361	358,204	176,843	181,361
25-29	320,775	152,300	168,475	320,775	152,300	168,475	320,775	152,300	168,475
30-34	265,127	126,501	138,626	265,127	126,501	138,626	265,127	126,501	138,626
35-39	210,510	102,262	108,248	210,510	102,262	108,248	210,510	102,262	108,248
40-44	172,352	86,866	85,487	172,352	86,866	85,487	172,352	86,866	85,487
45-49	137,722	72,917	64,805	137,722	72,917	64,805	137,722	72,917	64,805
50-54	99,165	53,448	45,717	99,165	53,448	45,717	99,165	53,448	45,717
55-59	65,307	35,608	29,700	65,307	35,608	29,700	65,307	35,608	29,700
60-64	51,726	26,730	24,996	51,726	26,730	24,996	51,726	26,730	24,996
65-69	41,802	19,869	21,932	41,802	19,869	21,932	41,802	19,869	21,932
70-74	29,587	13,892	15,695	29,587	13,892	15,695	29,587	13,892	15,695
75-79	18,026	8,742	9,285	18,026	8,742	9,285	18,026	8,742	9,285
80+	25,793	12,690	13,103	25,793	12,690	13,103	25,793	12,690	13,103
Total	3,713,937	1,861,914	1,852,023	3,750,925	1,880,587	1,870,339	3,753,123	1,881,696	1,871,428
2012									
0-4	559,762	283,180	276,583	610,951	309,031	301,919	614,667	310,908	303,760
5-9	507,067	256,867	250,201	507,067	256,867	250,201	507,067	256,867	250,201
10-14	469,384	238,257	231,127	469,384	238,257	231,127	469,384	238,257	231,127
15-19	407,061	207,835	199,226	407,061	207,835	199,226	407,061	207,835	199,226
20-24	362,406	180,791	181,615	362,406	180,791	181,615	362,406	180,791	181,615
25-29	327,470	155,942	171,528	327,470	155,942	171,528	327,470	155,942	171,528
30-34	275,465	131,092	144,373	275,465	131,092	144,373	275,465	131,092	144,373
35-39	217,656	105,324	112,332	217,656	105,324	112,332	217,656	105,324	112,332
40-44	177,892	88,536	89,356	177,892	88,536	89,356	177,892	88,536	89,356
45-49	142,705	75,013	67,691	142,705	75,013	67,691	142,705	75,013	67,691
50-54	106,119	56,855	49,263	106,119	56,855	49,263	106,119	56,855	49,263
55-59	68,308	37,166	31,142	68,308	37,166	31,142	68,308	37,166	31,142
60-64	51,822	27,258	24,564	51,822	27,258	24,564	51,822	27,258	24,564
65-69	41,985	20,072	21,913	41,985	20,072	21,913	41,985	20,072	21,913
70-74	29,452	13,824	15,628	29,452	13,824	15,628	29,452	13,824	15,628
75-79	18,305	8,711	9,594	18,305	8,711	9,594	18,305	8,711	9,594
80+	24,324	11,997	12,327	24,324	11,997	12,327	24,324	11,997	12,327
Total	3,787,182	1,898,720	1,888,463	3,838,370	1,924,572	1,913,799	3,842,087	1,926,448	1,915,640
2013									
0-4	571,981	289,019	282,962	638,626	322,688	315,938	644,296	325,551	318,745
5-9	499,107	253,285	245,821	499,107	253,285	245,821	499,107	253,285	245,821
10-14	479,599	243,105	236,494	479,599	243,105	236,494	479,599	243,105	236,494
15-19	416,389	212,686	203,703	416,389	212,686	203,703	416,389	212,686	203,703
20-24	367,321	184,788	182,533	367,321	184,788	182,533	367,321	184,788	182,533
25-29	333,304	159,605	173,699	333,304	159,605	173,699	333,304	159,605	173,699
30-34	285,111	135,453	149,658	285,111	135,453	149,658	285,111	135,453	149,658
35-39	225,738	108,796	116,941	225,738	108,796	116,941	225,738	108,796	116,941
40-44	183,554	90,418	93,136	183,554	90,418	93,136	183,554	90,418	93,136
45-49	147,745	76,930	70,815	147,745	76,930	70,815	147,745	76,930	70,815
50-54	112,532	59,953	52,579	112,532	59,953	52,579	112,532	59,953	52,579
55-59	72,326	39,213	33,113	72,326	39,213	33,113	72,326	39,213	33,113
60-64	52,361	27,897	24,464	52,361	27,897	24,464	52,361	27,897	24,464
65-69	42,012	20,300	21,712	42,012	20,300	21,712	42,012	20,300	21,712
70-74	29,463	13,826	15,637	29,463	13,826	15,637	29,463	13,826	15,637
75-79	18,446	8,664	9,782	18,446	8,664	9,782	18,446	8,664	9,782
80+	23,060	11,367	11,693	23,060	11,367	11,693	23,060	11,367	11,693
Total	3,860,047	1,935,306	1,924,741	3,926,692	1,968,975	1,957,717	3,932,362	1,971,838	1,960,524
2014									
0-4	571,931	288,997	282,935	645,248	326,037	319,211	653,018	329,961	323,057
5-9	503,340	255,503	247,837	513,343	260,568	252,775	513,650	260,724	252,927
10-14	487,459	246,897	240,562	487,459	246,897	240,562	487,459	246,897	240,562
15-19	426,502	217,734	208,768	426,502	217,734	208,768	426,502	217,734	208,768
20-24	373,090	188,854	184,236	373,090	188,854	184,236	373,090	188,854	184,236
25-29	338,271	163,340	174,931	338,271	163,340	174,931	338,271	163,340	174,931
30-34	293,987	139,514	154,473	293,987	139,514	154,473	293,987	139,514	154,473
35-39	234,830	112,712	122,118	234,830	112,712	122,118	234,830	112,712	122,118
40-44	189,274	92,518	96,756	189,274	92,518	96,756	189,274	92,518	96,756
45-49	152,869	78,659	74,210	152,869	78,659	74,210	152,869	78,659	74,210

50-54	118,276	62,697	55,579	118,276	62,697	55,579	118,276	62,697	55,579
55-59	77,424	41,776	35,647	77,424	41,776	35,647	77,424	41,776	35,647
60-64	53,285	28,610	24,675	53,285	28,610	24,675	53,285	28,610	24,675
65-69	41,881	20,562	21,319	41,881	20,562	21,319	41,881	20,562	21,319
70-74	29,623	13,891	15,732	29,623	13,891	15,732	29,623	13,891	15,732
75-79	18,457	8,601	9,856	18,457	8,601	9,856	18,457	8,601	9,856
80+	22,101	10,854	11,247	22,101	10,854	11,247	22,101	10,854	11,247
Total	3,932,600	1,971,719	1,960,882	4,015,919	2,013,824	2,002,096	4,023,997	2,017,903	2,006,094
2015									
0-4	571,394	288,734	282,659	651,688	329,302	322,386	661,705	334,362	327,344
5-9	507,411	257,581	249,830	528,507	268,263	260,244	529,456	268,744	260,712
10-14	493,659	249,998	243,661	493,659	249,998	243,661	493,659	249,998	243,661
15-19	437,289	222,926	214,363	437,289	222,926	214,363	437,289	222,926	214,363
20-24	379,644	193,003	186,642	379,644	193,003	186,642	379,644	193,003	186,642
25-29	342,501	167,125	175,376	342,501	167,125	175,376	342,501	167,125	175,376
30-34	302,177	143,327	158,851	302,177	143,327	158,851	302,177	143,327	158,851
35-39	244,733	117,013	127,720	244,733	117,013	127,720	244,733	117,013	127,720
40-44	195,111	94,834	100,277	195,111	94,834	100,277	195,111	94,834	100,277
45-49	158,043	80,227	77,816	158,043	80,227	77,816	158,043	80,227	77,816
50-54	123,492	65,151	58,341	123,492	65,151	58,341	123,492	65,151	58,341
55-59	83,425	44,751	38,674	83,425	44,751	38,674	83,425	44,751	38,674
60-64	54,593	29,416	25,177	54,593	29,416	25,177	54,593	29,416	25,177
65-69	41,691	20,874	20,817	41,691	20,874	20,817	41,691	20,874	20,817
70-74	29,871	14,001	15,870	29,871	14,001	15,870	29,871	14,001	15,870
75-79	18,386	8,535	9,851	18,386	8,535	9,851	18,386	8,535	9,851
80+	21,393	10,441	10,952	21,393	10,441	10,952	21,393	10,441	10,952
Total	4,004,813	2,007,937	1,996,876	4,106,203	2,059,186	2,047,017	4,117,170	2,064,727	2,052,443
2016									
0-4	570,503	288,308	282,195	658,063	332,550	325,513	670,472	338,819	331,653
5-9	512,076	259,883	252,193	545,419	276,768	268,651	547,373	277,757	269,616
10-14	497,385	251,993	245,392	497,385	251,993	245,392	497,385	251,993	245,392
15-19	448,326	228,134	220,192	448,326	228,134	220,192	448,326	228,134	220,192
20-24	387,059	197,297	189,763	387,059	197,297	189,763	387,059	197,297	189,763
25-29	346,429	170,961	175,467	346,429	170,961	175,467	346,429	170,961	175,467
30-34	309,594	146,961	162,633	309,594	146,961	162,633	309,594	146,961	162,633
35-39	255,006	121,517	133,489	255,006	121,517	133,489	255,006	121,517	133,489
40-44	201,326	97,437	103,889	201,326	97,437	103,889	201,326	97,437	103,889
45-49	163,291	81,746	81,546	163,291	81,746	81,546	163,291	81,746	81,546
50-54	128,334	67,337	60,996	128,334	67,337	60,996	128,334	67,337	60,996
55-59	89,888	47,918	41,970	89,888	47,918	41,970	89,888	47,918	41,970
60-64	56,472	30,432	26,040	56,472	30,432	26,040	56,472	30,432	26,040
65-69	41,580	21,247	20,332	41,580	21,247	20,332	41,580	21,247	20,332
70-74	30,127	14,145	15,982	30,127	14,145	15,982	30,127	14,145	15,982
75-79	18,291	8,480	9,811	18,291	8,480	9,811	18,291	8,480	9,811
80+	20,843	10,096	10,747	20,843	10,096	10,747	20,843	10,096	10,747
Total	4,076,530	2,043,894	2,032,636	4,197,433	2,105,021	2,092,412	4,211,796	2,112,279	2,099,517
2017									
0-4	569,360	287,758	281,603	664,447	335,808	328,639	679,387	343,356	336,031
5-9	518,875	263,149	255,726	565,685	286,855	278,830	569,032	288,550	280,482
10-14	497,126	252,127	244,999	497,126	252,127	244,999	497,126	252,127	244,999
15-19	459,102	233,201	225,901	459,102	233,201	225,901	459,102	233,201	225,901
20-24	395,377	201,814	193,563	395,377	201,814	193,563	395,377	201,814	193,563
25-29	350,628	174,847	175,781	350,628	174,847	175,781	350,628	174,847	175,781
30-34	316,179	150,534	165,645	316,179	150,534	165,645	316,179	150,534	165,645
35-39	265,054	125,976	139,078	265,054	125,976	139,078	265,054	125,976	139,078
40-44	208,251	100,399	107,852	208,251	100,399	107,852	208,251	100,399	107,852
45-49	168,628	83,358	85,270	168,628	83,358	85,270	168,628	83,358	85,270
50-54	133,051	69,308	63,744	133,051	69,308	63,744	133,051	69,308	63,744
55-59	96,246	50,998	45,248	96,246	50,998	45,248	96,246	50,998	45,248
60-64	59,138	31,799	27,339	59,138	31,799	27,339	59,138	31,799	27,339
65-69	41,709	21,694	20,015	41,709	21,694	20,015	41,709	21,694	20,015
70-74	30,296	14,309	15,987	30,296	14,309	15,987	30,296	14,309	15,987
75-79	18,246	8,456	9,791	18,246	8,456	9,791	18,246	8,456	9,791
80+	20,355	9,785	10,570	20,355	9,785	10,570	20,355	9,785	10,570
Total	4,147,624	2,079,510	2,068,113	4,289,520	2,151,266	2,138,253	4,307,807	2,160,510	2,147,297

2018									
0-4	568,054	287,132	280,922	670,901	339,111	331,791	688,507	348,007	340,500
5-9	531,286	269,102	262,184	592,840	300,279	292,562	597,999	302,891	295,108
10-14	489,452	248,672	240,780	489,452	248,672	240,780	489,452	248,672	240,780
15-19	469,217	238,005	231,212	469,217	238,005	231,212	469,217	238,005	231,212
20-24	404,581	206,598	197,984	404,581	206,598	197,984	404,581	206,598	197,984
25-29	355,521	178,782	176,739	355,521	178,782	176,739	355,521	178,782	176,739
30-34	321,935	154,128	167,807	321,935	154,128	167,807	321,935	154,128	167,807
35-39	274,443	130,218	144,225	274,443	130,218	144,225	274,443	130,218	144,225
40-44	216,078	103,755	112,322	216,078	103,755	112,322	216,078	103,755	112,322
45-49	174,081	85,171	88,910	174,081	85,171	88,910	174,081	85,171	88,910
50-54	137,830	71,113	66,717	137,830	71,113	66,717	137,830	71,113	66,717
55-59	102,116	53,802	48,314	102,116	53,802	48,314	102,116	53,802	48,314
60-64	62,695	33,589	29,106	62,695	33,589	29,106	62,695	33,589	29,106
65-69	42,196	22,228	19,969	42,196	22,228	19,969	42,196	22,228	19,969
70-74	30,340	14,489	15,850	30,340	14,489	15,850	30,340	14,489	15,850
75-79	18,285	8,470	9,815	18,285	8,470	9,815	18,285	8,470	9,815
80+	19,875	9,488	10,387	19,875	9,488	10,387	19,875	9,488	10,387
Total	4,217,985	2,114,742	2,103,243	4,382,387	2,197,897	2,184,490	4,405,151	2,209,406	2,195,745
2019									
0-4	566,172	286,221	279,951	676,484	341,981	334,504	697,397	352,550	344,847
5-9	531,820	269,374	262,446	599,633	303,721	295,912	606,744	307,322	299,421
10-14	493,728	250,908	242,820	503,536	255,879	247,656	503,837	256,032	247,805
15-19	477,029	241,776	235,253	477,029	241,776	235,253	477,029	241,776	235,253
20-24	414,556	211,577	202,979	414,556	211,577	202,979	414,556	211,577	202,979
25-29	361,245	182,788	178,457	361,245	182,788	178,457	361,245	182,788	178,457
30-34	326,859	157,797	169,063	326,859	157,797	169,063	326,859	157,797	169,063
35-39	283,098	134,175	148,923	283,098	134,175	148,923	283,098	134,175	148,923
40-44	224,878	107,537	117,341	224,878	107,537	117,341	224,878	107,537	117,341
45-49	179,593	87,191	92,402	179,593	87,191	92,402	179,593	87,191	92,402
50-54	142,695	72,747	69,948	142,695	72,747	69,948	142,695	72,747	69,948
55-59	107,387	56,293	51,094	107,387	56,293	51,094	107,387	56,293	51,094
60-64	67,195	35,824	31,371	67,195	35,824	31,371	67,195	35,824	31,371
65-69	42,998	22,822	20,176	42,998	22,822	20,176	42,998	22,822	20,176
70-74	30,275	14,697	15,578	30,275	14,697	15,578	30,275	14,697	15,578
75-79	18,421	8,525	9,896	18,421	8,525	9,896	18,421	8,525	9,896
80+	19,470	9,237	10,233	19,470	9,237	10,233	19,470	9,237	10,233
Total	4,287,420	2,149,489	2,137,931	4,475,353	2,244,567	2,230,785	4,503,677	2,258,890	2,244,787
2020									
0-4	563,704	285,010	278,694	681,168	344,393	336,775	706,015	356,952	349,064
5-9	531,889	269,420	262,469	606,259	307,090	299,169	615,463	311,752	303,711
10-14	497,847	253,007	244,839	518,538	263,496	255,042	519,470	263,969	255,501
15-19	483,221	244,872	238,348	483,221	244,872	238,348	483,221	244,872	238,348
20-24	425,191	216,699	208,492	425,191	216,699	208,492	425,191	216,699	208,492
25-29	367,734	186,877	180,856	367,734	186,877	180,856	367,734	186,877	180,856
30-34	331,074	161,515	169,559	331,074	161,515	169,559	331,074	161,515	169,559
35-39	291,099	137,896	153,203	291,099	137,896	153,203	291,099	137,896	153,203
40-44	234,462	111,691	122,771	234,462	111,691	122,771	234,462	111,691	122,771
45-49	185,218	89,418	95,801	185,218	89,418	95,801	185,218	89,418	95,801
50-54	147,616	74,235	73,381	147,616	74,235	73,381	147,616	74,235	73,381
55-59	112,191	58,529	53,662	112,191	58,529	53,662	112,191	58,529	53,662
60-64	72,479	38,410	34,069	72,479	38,410	34,069	72,479	38,410	34,069
65-69	44,114	23,494	20,620	44,114	23,494	20,620	44,114	23,494	20,620
70-74	30,177	14,944	15,233	30,177	14,944	15,233	30,177	14,944	15,233
75-79	18,614	8,609	10,005	18,614	8,609	10,005	18,614	8,609	10,005
80+	19,143	9,032	10,111	19,143	9,032	10,111	19,143	9,032	10,111
Total	4,355,772	2,183,658	2,172,114	4,568,298	2,291,200	2,277,097	4,603,281	2,308,893	2,294,387
2021									
0-4	560,560	283,455	277,105	684,833	346,289	338,544	714,246	361,157	353,089
5-9	531,627	269,309	262,318	612,838	310,448	302,390	624,275	316,241	308,034
10-14	502,551	255,328	247,223	535,267	271,913	263,354	537,184	272,885	264,299
15-19	486,992	246,886	240,106	486,992	246,886	240,106	486,992	246,886	240,106
20-24	436,076	221,840	214,236	436,076	221,840	214,236	436,076	221,840	214,236
25-29	375,062	191,110	183,952	375,062	191,110	183,952	375,062	191,110	183,952
30-34	334,999	165,286	169,713	334,999	165,286	169,713	334,999	165,286	169,713

35-39	298,361	141,448	156,912	298,361	141,448	156,912	298,361	141,448	156,912
40-44	244,405	116,040	128,365	244,405	116,040	128,365	244,405	116,040	128,365
45-49	191,206	91,916	99,291	191,206	91,916	99,291	191,206	91,916	99,291
50-54	152,613	75,680	76,932	152,613	75,680	76,932	152,613	75,680	76,932
55-59	116,667	60,529	56,138	116,667	60,529	56,138	116,667	60,529	56,138
60-64	78,162	41,159	37,002	78,162	41,159	37,002	78,162	41,159	37,002
65-69	45,700	24,338	21,362	45,700	24,338	21,362	45,700	24,338	21,362
70-74	30,143	15,236	14,907	30,143	15,236	14,907	30,143	15,236	14,907
75-79	18,808	8,713	10,094	18,808	8,713	10,094	18,808	8,713	10,094
80+	18,879	8,864	10,015	18,879	8,864	10,015	18,879	8,864	10,015
Total	4,422,810	2,217,138	2,205,672	4,661,010	2,337,696	2,323,313	4,703,776	2,359,329	2,344,447
2022									
0-4	556,543	281,460	275,084	687,269	347,564	339,704	721,889	365,067	356,822
5-9	531,137	269,089	262,048	619,448	313,829	305,618	633,253	320,823	312,430
10-14	509,355	258,599	250,756	555,301	281,892	273,408	558,586	283,558	275,028
15-19	486,860	247,074	239,786	486,860	247,074	239,786	486,860	247,074	239,786
20-24	446,714	226,848	219,866	446,714	226,848	219,866	446,714	226,848	219,866
25-29	383,270	195,563	187,708	383,270	195,563	187,708	383,270	195,563	187,708
30-34	339,192	169,107	170,084	339,192	169,107	170,084	339,192	169,107	170,084
35-39	304,825	144,945	159,881	304,825	144,945	159,881	304,825	144,945	159,881
40-44	254,140	120,349	133,791	254,140	120,349	133,791	254,140	120,349	133,791
45-49	197,876	94,756	103,120	197,876	94,756	103,120	197,876	94,756	103,120
50-54	157,696	77,215	80,481	157,696	77,215	80,481	157,696	77,215	80,481
55-59	121,041	62,337	58,704	121,041	62,337	58,704	121,041	62,337	58,704
60-64	83,751	43,833	39,918	83,751	43,833	39,918	83,751	43,833	39,918
65-69	47,937	25,470	22,467	47,937	25,470	22,467	47,937	25,470	22,467
70-74	30,289	15,581	14,708	30,289	15,581	14,708	30,289	15,581	14,708
75-79	18,939	8,829	10,110	18,939	8,829	10,110	18,939	8,829	10,110
80+	18,668	8,725	9,943	18,668	8,725	9,943	18,668	8,725	9,943
Total	4,488,234	2,249,779	2,238,455	4,753,215	2,383,917	2,369,298	4,804,926	2,410,079	2,394,847
2023									
0-4	551,217	278,803	272,414	688,019	347,990	340,029	728,500	368,459	360,041
5-9	530,502	268,802	261,700	626,146	317,264	308,883	642,450	325,524	316,926
10-14	521,677	264,514	257,162	582,116	295,159	286,958	587,181	297,726	289,455
15-19	479,456	243,741	235,715	479,456	243,741	235,715	479,456	243,741	235,715
20-24	456,715	231,603	225,112	456,715	231,603	225,112	456,715	231,603	225,112
25-29	392,346	200,278	192,068	392,346	200,278	192,068	392,346	200,278	192,068
30-34	344,059	172,980	171,079	344,059	172,980	171,079	344,059	172,980	171,079
35-39	310,495	148,465	162,030	310,495	148,465	162,030	310,495	148,465	162,030
40-44	263,248	124,453	138,795	263,248	124,453	138,795	263,248	124,453	138,795
45-49	205,410	97,973	107,438	205,410	97,973	107,438	205,410	97,973	107,438
50-54	162,891	78,938	83,953	162,891	78,938	83,953	162,891	78,938	83,953
55-59	125,479	63,998	61,481	125,479	63,998	61,481	125,479	63,998	61,481
60-64	88,916	46,268	42,647	88,916	46,268	42,647	88,916	46,268	42,647
65-69	50,907	26,945	23,962	50,907	26,945	23,962	50,907	26,945	23,962
70-74	30,695	15,987	14,708	30,695	15,987	14,708	30,695	15,987	14,708
75-79	18,984	8,953	10,032	18,984	8,953	10,032	18,984	8,953	10,032
80+	18,499	8,610	9,889	18,499	8,610	9,889	18,499	8,610	9,889
Total	4,551,495	2,281,310	2,270,185	4,844,381	2,429,603	2,414,778	4,906,231	2,460,901	2,445,330
2024									
0-4	546,398	276,399	269,998	689,886	348,976	340,910	735,326	371,958	363,368
5-9	529,326	268,242	261,084	632,079	320,313	311,766	651,455	330,131	321,323
10-14	522,337	264,845	257,492	588,938	298,613	290,325	595,921	302,154	293,767
15-19	483,800	246,009	237,791	493,438	250,899	242,539	493,735	251,050	242,685
20-24	464,478	235,353	229,124	464,478	235,353	229,124	464,478	235,353	229,124
25-29	402,175	205,185	196,990	402,175	205,185	196,990	402,175	205,185	196,990
30-34	349,734	176,924	172,810	349,734	176,924	172,810	349,734	176,924	172,810
35-39	315,364	152,059	163,305	315,364	152,059	163,305	315,364	152,059	163,305
40-44	271,658	128,288	143,370	271,658	128,288	143,370	271,658	128,288	143,370
45-49	213,877	101,594	112,284	213,877	101,594	112,284	213,877	101,594	112,284
50-54	168,141	80,855	87,287	168,141	80,855	87,287	168,141	80,855	87,287
55-59	130,006	65,506	64,500	130,006	65,506	64,500	130,006	65,506	64,500
60-64	93,572	48,442	45,130	93,572	48,442	45,130	93,572	48,442	45,130
65-69	54,652	28,781	25,871	54,652	28,781	25,871	54,652	28,781	25,871
70-74	31,333	16,438	14,895	31,333	16,438	14,895	31,333	16,438	14,895

75-79	18,966	9,096	9,870	18,966	9,096	9,870	18,966	9,096	9,870
80+	18,417	8,538	9,879	18,417	8,538	9,879	18,417	8,538	9,879
Total	4,614,235	2,312,553	2,301,681	4,936,716	2,475,860	2,460,856	5,008,810	2,512,351	2,496,459
2025									
0-4	541,953	274,181	267,771	692,802	350,490	342,312	742,334	375,545	366,789
5-9	527,600	267,402	260,198	637,188	322,944	314,244	660,225	334,619	325,606
10-14	522,539	264,953	257,585	595,599	301,998	293,602	604,641	306,582	298,059
15-19	487,990	248,143	239,848	508,316	258,456	249,860	509,231	258,920	250,311
20-24	470,668	238,450	232,218	470,668	238,450	232,218	470,668	238,450	232,218
25-29	412,653	210,235	202,418	412,653	210,235	202,418	412,653	210,235	202,418
30-34	356,154	180,952	175,203	356,154	180,952	175,203	356,154	180,952	175,203
35-39	319,552	155,704	163,848	319,552	155,704	163,848	319,552	155,704	163,848
40-44	279,448	131,901	147,547	279,448	131,901	147,547	279,448	131,901	147,547
45-49	223,094	105,568	117,526	223,094	105,568	117,526	223,094	105,568	117,526
50-54	173,502	82,964	90,537	173,502	82,964	90,537	173,502	82,964	90,537
55-59	134,594	66,887	67,707	134,594	66,887	67,707	134,594	66,887	67,707
60-64	97,835	50,402	47,434	97,835	50,402	47,434	97,835	50,402	47,434
65-69	59,032	30,896	28,136	59,032	30,896	28,136	59,032	30,896	28,136
70-74	32,204	16,948	15,256	32,204	16,948	15,256	32,204	16,948	15,256
75-79	18,934	9,266	9,668	18,934	9,266	9,668	18,934	9,266	9,668
80+	18,401	8,502	9,899	18,401	8,502	9,899	18,401	8,502	9,899
Total	4,676,153	2,343,354	2,332,799	5,029,976	2,522,561	2,507,415	5,112,502	2,564,341	2,548,161
2026									
0-4	537,791	272,110	265,681	696,755	352,533	344,222	749,523	379,230	370,293
5-9	525,247	266,244	259,003	641,358	325,099	316,258	668,663	338,940	329,723
10-14	522,417	264,907	257,509	602,218	305,373	296,846	613,456	311,071	302,385
15-19	492,750	250,492	242,259	524,875	266,790	258,085	526,757	267,745	259,012
20-24	474,504	240,494	234,010	474,504	240,494	234,010	474,504	240,494	234,010
25-29	423,381	215,308	208,073	423,381	215,308	208,073	423,381	215,308	208,073
30-34	363,393	185,121	178,271	363,393	185,121	178,271	363,393	185,121	178,271
35-39	323,465	159,403	164,062	323,465	159,403	164,062	323,465	159,403	164,062
40-44	286,535	135,358	151,177	286,535	135,358	151,177	286,535	135,358	151,177
45-49	232,658	109,729	122,929	232,658	109,729	122,929	232,658	109,729	122,929
50-54	179,207	85,329	93,879	179,207	85,329	93,879	179,207	85,329	93,879
55-59	139,259	68,234	71,026	139,259	68,234	71,026	139,259	68,234	71,026
60-64	101,829	52,164	49,665	101,829	52,164	49,665	101,829	52,164	49,665
65-69	63,732	33,140	30,592	63,732	33,140	30,592	63,732	33,140	30,592
70-74	33,427	17,588	15,840	33,427	17,588	15,840	33,427	17,588	15,840
75-79	18,948	9,465	9,483	18,948	9,465	9,483	18,948	9,465	9,483
80+	18,411	8,493	9,918	18,411	8,493	9,918	18,411	8,493	9,918
Total	4,736,953	2,373,578	2,363,376	5,123,955	2,569,619	2,554,335	5,217,149	2,616,811	2,600,337
2027									
0-4	533,862	270,156	263,707	701,782	355,119	346,662	756,928	383,024	373,904
5-9	522,076	264,672	257,404	644,376	326,673	317,703	676,572	342,994	333,577
10-14	522,070	264,755	257,316	608,871	308,773	300,098	622,440	315,654	306,786
15-19	499,557	253,766	245,791	544,655	276,645	268,010	547,882	278,282	269,600
20-24	474,536	240,760	233,776	474,536	240,760	233,776	474,536	240,760	233,776
25-29	433,877	220,254	213,623	433,877	220,254	213,623	433,877	220,254	213,623
30-34	371,491	189,508	181,983	371,491	189,508	181,983	371,491	189,508	181,983
35-39	327,639	163,153	164,486	327,639	163,153	164,486	327,639	163,153	164,486
40-44	292,858	138,763	154,095	292,858	138,763	154,095	292,858	138,763	154,095
45-49	242,028	113,856	128,172	242,028	113,856	128,172	242,028	113,856	128,172
50-54	185,560	88,014	97,546	185,560	88,014	97,546	185,560	88,014	97,546
55-59	144,008	69,664	74,344	144,008	69,664	74,344	144,008	69,664	74,344
60-64	105,747	53,764	51,983	105,747	53,764	51,983	105,747	53,764	51,983
65-69	68,350	35,320	33,031	68,350	35,320	33,031	68,350	35,320	33,031
70-74	35,141	18,442	16,699	35,141	18,442	16,699	35,141	18,442	16,699
75-79	19,078	9,697	9,382	19,078	9,697	9,382	19,078	9,697	9,382
80+	18,407	8,502	9,905	18,407	8,502	9,905	18,407	8,502	9,905
Total	4,796,289	2,403,045	2,393,242	5,218,407	2,616,908	2,601,498	5,322,544	2,669,651	2,652,892
2028									
0-4	530,142	268,298	261,845	707,929	358,262	349,667	764,586	386,934	377,653
5-9	517,684	262,478	255,206	645,816	327,443	318,373	683,542	346,571	336,971
10-14	521,579	264,533	257,046	615,613	312,225	303,388	631,642	320,354	311,288
15-19	511,745	259,617	252,128	571,050	289,703	281,347	576,023	292,226	283,797

20-24	467,469	237,587	229,882	467,469	237,587	229,882	467,469	237,587	229,882
25-29	443,761	224,958	218,803	443,761	224,958	218,803	443,761	224,958	218,803
30-34	380,434	194,150	186,284	380,434	194,150	186,284	380,434	194,150	186,284
35-39	332,469	166,955	165,514	332,469	166,955	165,514	332,469	166,955	165,514
40-44	298,419	142,194	156,225	298,419	142,194	156,225	298,419	142,194	156,225
45-49	250,806	117,791	133,016	250,806	117,791	133,016	250,806	117,791	133,016
50-54	192,733	91,053	101,680	192,733	91,053	101,680	192,733	91,053	101,680
55-59	148,861	71,266	77,595	148,861	71,266	77,595	148,861	71,266	77,595
60-64	109,729	55,237	54,493	109,729	55,237	54,493	109,729	55,237	54,493
65-69	72,624	37,308	35,316	72,624	37,308	35,316	72,624	37,308	35,316
70-74	37,403	19,550	17,853	37,403	19,550	17,853	37,403	19,550	17,853
75-79	19,373	9,965	9,408	19,373	9,965	9,408	19,373	9,965	9,408
80+	18,371	8,525	9,847	18,371	8,525	9,847	18,371	8,525	9,847
Total	4,853,604	2,431,464	2,422,139	5,312,861	2,664,172	2,648,689	5,428,245	2,722,622	2,705,623
2029									
0-4	526,178	266,306	259,872	713,428	361,065	352,363	773,657	391,543	382,114
5-9	513,650	260,462	253,189	648,168	328,672	319,496	690,652	350,215	340,437
10-14	520,555	264,043	256,512	621,603	315,297	306,306	640,657	324,962	315,695
15-19	512,527	260,005	252,522	577,894	293,166	284,729	584,751	296,644	288,107
20-24	471,882	239,887	231,995	481,300	244,665	236,635	481,590	244,812	236,777
25-29	451,472	228,686	222,786	451,472	228,686	222,786	451,472	228,686	222,786
30-34	390,114	198,981	191,133	390,114	198,981	191,133	390,114	198,981	191,133
35-39	338,082	170,827	167,256	338,082	170,827	167,256	338,082	170,827	167,256
40-44	303,210	145,697	157,514	303,210	145,697	157,514	303,210	145,697	157,514
45-49	258,926	121,473	137,452	258,926	121,473	137,452	258,926	121,473	137,452
50-54	200,787	94,470	106,318	200,787	94,470	106,318	200,787	94,470	106,318
55-59	153,767	73,045	80,722	153,767	73,045	80,722	153,767	73,045	80,722
60-64	113,801	56,581	57,221	113,801	56,581	57,221	113,801	56,581	57,221
65-69	76,495	39,091	37,404	76,495	39,091	37,404	76,495	39,091	37,404
70-74	40,242	20,923	19,320	40,242	20,923	19,320	40,242	20,923	19,320
75-79	19,817	10,264	9,554	19,817	10,264	9,554	19,817	10,264	9,554
80+	18,345	8,578	9,767	18,345	8,578	9,767	18,345	8,578	9,767
Total	4,909,853	2,459,317	2,450,536	5,407,454	2,711,480	2,695,974	5,536,367	2,776,791	2,759,576
2030									
0-4	521,932	264,164	257,768	718,289	363,536	354,753	784,159	396,867	387,292
5-9	509,933	258,603	251,330	651,473	330,382	321,091	697,920	353,936	343,984
10-14	518,988	263,276	255,713	626,785	317,959	308,826	649,445	329,454	319,991
15-19	512,860	260,173	252,687	584,585	296,559	288,025	593,464	301,064	292,400
20-24	476,145	242,055	234,090	496,003	252,130	243,874	496,898	252,583	244,314
25-29	457,659	231,780	225,879	457,659	231,780	225,879	457,659	231,780	225,879
30-34	400,429	203,953	196,476	400,429	203,953	196,476	400,429	203,953	196,476
35-39	344,421	174,782	169,639	344,421	174,782	169,639	344,421	174,782	169,639
40-44	307,349	149,251	158,097	307,349	149,251	158,097	307,349	149,251	158,097
45-49	266,460	124,950	141,510	266,460	124,950	141,510	266,460	124,950	141,510
50-54	209,550	98,218	111,333	209,550	98,218	111,333	209,550	98,218	111,333
55-59	158,777	75,000	83,777	158,777	75,000	83,777	158,777	75,000	83,777
60-64	117,939	57,819	60,120	117,939	57,819	60,120	117,939	57,819	60,120
65-69	80,063	40,710	39,353	80,063	40,710	39,353	80,063	40,710	39,353
70-74	43,545	22,495	21,050	43,545	22,495	21,050	43,545	22,495	21,050
75-79	20,412	10,601	9,811	20,412	10,601	9,811	20,412	10,601	9,811
80+	18,347	8,664	9,684	18,347	8,664	9,684	18,347	8,664	9,684
Total	4,964,810	2,486,493	2,478,317	5,502,087	2,758,787	2,743,299	5,646,838	2,832,126	2,814,711
2031									
0-4	517,460	261,904	255,556	722,556	365,700	356,855	796,192	402,960	393,232
5-9	506,483	256,876	249,608	655,769	332,589	323,180	705,363	357,741	347,621
10-14	516,801	262,192	254,609	631,044	320,151	310,893	657,909	333,781	324,128
15-19	512,874	260,190	252,684	591,236	299,945	291,291	602,274	305,545	296,730
20-24	480,960	244,430	236,530	512,344	260,350	251,994	514,184	261,283	252,901
25-29	461,558	233,850	227,708	461,558	233,850	227,708	461,558	233,850	227,708
30-34	410,993	208,948	202,045	410,993	208,948	202,045	410,993	208,948	202,045
35-39	351,555	178,877	172,678	351,555	178,877	172,678	351,555	178,877	172,678
40-44	311,224	152,859	158,365	311,224	152,859	158,365	311,224	152,859	158,365
45-49	273,328	128,282	145,047	273,328	128,282	145,047	273,328	128,282	145,047
50-54	218,643	102,141	116,501	218,643	102,141	116,501	218,643	102,141	116,501
55-59	164,111	77,188	86,922	164,111	77,188	86,922	164,111	77,188	86,922

60-64	122,152	59,033	63,120	122,152	59,033	63,120	122,152	59,033	63,120
65-69	83,428	42,175	41,254	83,428	42,175	41,254	83,428	42,175	41,254
70-74	47,074	24,156	22,918	47,074	24,156	22,918	47,074	24,156	22,918
75-79	21,237	11,024	10,213	21,237	11,024	10,213	21,237	11,024	10,213
80+	18,389	8,777	9,612	18,389	8,777	9,612	18,389	8,777	9,612
Total	5,018,271	2,512,900	2,505,371	5,596,640	2,806,043	2,790,597	5,759,613	2,888,618	2,870,995
2032									
0-4	512,977	259,633	253,345	726,386	367,636	358,750	809,981	409,934	400,046
5-9	503,265	255,256	248,009	661,105	335,312	325,793	713,014	361,640	351,374
10-14	513,807	260,699	253,108	634,168	321,768	312,400	665,853	337,844	328,009
15-19	512,666	260,099	252,567	597,922	303,354	294,568	611,252	310,118	301,135
20-24	487,765	247,702	240,063	531,821	270,048	261,773	534,974	271,647	263,327
25-29	461,754	234,189	227,565	461,754	234,189	227,565	461,754	234,189	227,565
30-34	421,336	213,822	207,515	421,336	213,822	207,515	421,336	213,822	207,515
35-39	359,526	183,182	176,344	359,526	183,182	176,344	359,526	183,182	176,344
40-44	315,355	156,518	158,837	315,355	156,518	158,837	315,355	156,518	158,837
45-49	279,468	131,567	147,901	279,468	131,567	147,901	279,468	131,567	147,901
50-54	227,555	106,033	121,522	227,555	106,033	121,522	227,555	106,033	121,522
55-59	170,048	79,671	90,377	170,048	79,671	90,377	170,048	79,671	90,377
60-64	126,445	60,322	66,123	126,445	60,322	66,123	126,445	60,322	66,123
65-69	86,744	43,510	43,234	86,744	43,510	43,234	86,744	43,510	43,234
70-74	50,536	25,766	24,770	50,536	25,766	24,770	50,536	25,766	24,770
75-79	22,383	11,586	10,797	22,383	11,586	10,797	22,383	11,586	10,797
80+	18,488	8,915	9,573	18,488	8,915	9,573	18,488	8,915	9,573
Total	5,070,120	2,538,470	2,531,649	5,691,042	2,853,199	2,837,843	5,874,714	2,946,264	2,928,449
2033									
0-4	508,956	257,605	251,351	730,132	369,543	360,588	825,924	418,016	407,907
5-9	500,301	253,758	246,544	667,586	338,605	328,981	720,966	365,679	355,287
10-14	509,608	258,592	251,015	635,740	322,596	313,144	672,875	341,439	331,436
15-19	512,314	259,941	252,372	604,696	306,816	297,880	620,446	314,808	305,639
20-24	499,808	253,483	246,326	557,740	282,864	274,876	562,600	285,328	277,271
25-29	455,038	231,182	223,856	455,038	231,182	223,856	455,038	231,182	223,856
30-34	431,091	218,463	212,628	431,091	218,463	212,628	431,091	218,463	212,628
35-39	368,320	187,738	180,582	368,320	187,738	180,582	368,320	187,738	180,582
40-44	320,121	160,229	159,892	320,121	160,229	159,892	320,121	160,229	159,892
45-49	284,879	134,879	150,000	284,879	134,879	150,000	284,879	134,879	150,000
50-54	235,915	109,749	126,166	235,915	109,749	126,166	235,915	109,749	126,166
55-59	176,747	82,477	94,270	176,747	82,477	94,270	176,747	82,477	94,270
60-64	130,832	61,763	69,069	130,832	61,763	69,069	130,832	61,763	69,069
65-69	90,123	44,743	45,380	90,123	44,743	45,380	90,123	44,743	45,380
70-74	53,742	27,236	26,506	53,742	27,236	26,506	53,742	27,236	26,506
75-79	23,889	12,312	11,577	23,889	12,312	11,577	23,889	12,312	11,577
80+	18,660	9,078	9,582	18,660	9,078	9,582	18,660	9,078	9,582
Total	5,120,345	2,563,230	2,557,115	5,785,250	2,900,273	2,884,977	5,992,169	3,005,121	2,987,047
2034									
0-4	504,749	255,491	249,258	734,555	371,804	362,751	841,157	425,753	415,403
5-9	497,035	252,100	244,935	673,450	341,577	331,873	730,143	370,331	359,812
10-14	505,757	256,660	249,097	638,206	323,875	314,332	680,036	345,102	334,934
15-19	511,435	259,519	251,916	610,731	309,906	300,825	629,459	319,409	310,050
20-24	500,733	253,941	246,793	564,607	286,334	278,273	571,310	289,733	281,576
25-29	459,503	233,503	226,000	468,679	238,156	230,523	468,962	238,299	230,662
30-34	438,739	222,160	216,579	438,739	222,160	216,579	438,739	222,160	216,579
35-39	377,833	192,480	185,354	377,833	192,480	185,354	377,833	192,480	185,354
40-44	325,646	164,011	161,636	325,646	164,011	161,636	325,646	164,011	161,636
45-49	289,554	138,263	151,291	289,554	138,263	151,291	289,554	138,263	151,291
50-54	243,663	113,234	130,429	243,663	113,234	130,429	243,663	113,234	130,429
55-59	184,263	85,630	98,634	184,263	85,630	98,634	184,263	85,630	98,634
60-64	135,269	63,360	71,909	135,269	63,360	71,909	135,269	63,360	71,909
65-69	93,588	45,876	47,712	93,588	45,876	47,712	93,588	45,876	47,712
70-74	56,663	28,562	28,101	56,663	28,562	28,101	56,663	28,562	28,101
75-79	25,769	13,206	12,562	25,769	13,206	12,562	25,769	13,206	12,562
80+	18,916	9,272	9,644	18,916	9,272	9,644	18,916	9,272	9,644
Total	5,169,117	2,587,267	2,581,850	5,880,134	2,947,705	2,932,429	6,110,971	3,064,683	3,046,289
2035									
0-4	500,376	253,296	247,080	739,602	374,385	365,217	855,678	433,136	422,541

5-9	493,467	250,285	243,182	678,697	344,231	334,466	740,647	375,650	364,996
10-14	502,214	254,882	247,332	641,610	325,627	315,982	687,352	348,842	338,510
15-19	510,020	258,823	251,197	615,971	312,592	303,380	638,250	323,898	314,352
20-24	501,218	254,185	247,033	571,325	289,739	281,586	580,007	294,142	285,865
25-29	463,821	235,697	228,124	483,175	245,510	237,665	484,046	245,952	238,094
30-34	444,907	225,242	219,665	444,907	225,242	219,665	444,907	225,242	219,665
35-39	387,967	197,361	190,607	387,967	197,361	190,607	387,967	197,361	190,607
40-44	331,875	167,875	164,000	331,875	167,875	164,000	331,875	167,875	164,000
45-49	293,606	141,698	151,907	293,606	141,698	151,907	293,606	141,698	151,907
50-54	250,866	116,531	134,336	250,866	116,531	134,336	250,866	116,531	134,336
55-59	192,432	89,084	103,348	192,432	89,084	103,348	192,432	89,084	103,348
60-64	139,802	65,111	74,691	139,802	65,111	74,691	139,802	65,111	74,691
65-69	97,118	46,928	50,190	97,118	46,928	50,190	97,118	46,928	50,190
70-74	59,378	29,777	29,602	59,378	29,777	29,602	59,378	29,777	29,602
75-79	27,941	14,224	13,717	27,941	14,224	13,717	27,941	14,224	13,717
80+	19,267	9,502	9,765	19,267	9,502	9,765	19,267	9,502	9,765
Total	5,216,277	2,610,500	2,605,777	5,975,540	2,995,416	2,980,124	6,231,140	3,124,954	3,106,187
2036									
0-4	495,886	251,049	244,837	745,271	377,293	367,978	869,473	440,166	429,307
5-9	489,672	248,354	241,319	683,369	346,592	336,777	752,617	381,712	370,905
10-14	498,930	253,233	245,697	645,988	327,871	318,116	694,841	352,667	342,174
15-19	507,993	257,816	250,176	620,304	314,818	305,486	646,723	328,226	318,497
20-24	501,389	254,280	247,109	578,007	293,138	284,868	588,802	298,614	290,188
25-29	468,677	238,093	230,584	499,269	253,603	245,666	501,063	254,513	246,550
30-34	448,852	227,331	221,522	448,852	227,331	221,522	448,852	227,331	221,522
35-39	398,347	202,267	196,080	398,347	202,267	196,080	398,347	202,267	196,080
40-44	338,876	171,876	167,000	338,876	171,876	167,000	338,876	171,876	167,000
45-49	297,409	145,188	152,221	297,409	145,188	152,221	297,409	145,188	152,221
50-54	257,446	119,697	137,749	257,446	119,697	137,749	257,446	119,697	137,749
55-59	200,905	92,699	108,206	200,905	92,699	108,206	200,905	92,699	108,206
60-64	144,630	67,068	77,562	144,630	67,068	77,562	144,630	67,068	77,562
65-69	100,719	47,965	52,755	100,719	47,965	52,755	100,719	47,965	52,755
70-74	61,961	30,884	31,077	61,961	30,884	31,077	61,961	30,884	31,077
75-79	30,252	15,294	14,958	30,252	15,294	14,958	30,252	15,294	14,958
80+	19,762	9,792	9,970	19,762	9,792	9,970	19,762	9,792	9,970
Total	5,261,706	2,632,886	2,628,821	6,071,367	3,043,377	3,027,991	6,352,678	3,185,958	3,166,721
2037									
0-4	491,337	248,775	242,562	751,595	380,538	371,057	882,542	446,834	435,708
5-9	485,857	246,417	239,440	687,611	348,741	338,870	766,284	388,641	377,643
10-14	495,871	251,689	244,182	651,390	330,625	320,765	702,537	356,586	345,951
15-19	505,168	256,406	248,762	623,522	316,479	307,043	654,687	332,298	322,389
20-24	501,341	254,272	247,069	584,725	296,564	288,160	597,765	303,178	294,586
25-29	475,471	241,364	234,106	518,424	263,141	255,283	521,499	264,699	256,799
30-34	449,196	227,737	221,458	449,196	227,737	221,458	449,196	227,737	221,458
35-39	408,519	207,060	201,459	408,519	207,060	201,459	408,519	207,060	201,459
40-44	346,690	176,084	170,606	346,690	176,084	170,606	346,690	176,084	170,606
45-49	301,461	148,729	152,732	301,461	148,729	152,732	301,461	148,729	152,732
50-54	263,340	122,824	140,516	263,340	122,824	140,516	263,340	122,824	140,516
55-59	209,216	96,287	112,929	209,216	96,287	112,929	209,216	96,287	112,929
60-64	150,005	69,286	80,718	150,005	69,286	80,718	150,005	69,286	80,718
65-69	104,392	49,068	55,324	104,392	49,068	55,324	104,392	49,068	55,324
70-74	64,521	31,900	32,621	64,521	31,900	32,621	64,521	31,900	32,621
75-79	32,514	16,329	16,185	32,514	16,329	16,185	32,514	16,329	16,185
80+	20,463	10,170	10,292	20,463	10,170	10,292	20,463	10,170	10,292
Total	5,305,360	2,654,398	2,650,961	6,167,582	3,091,563	3,076,018	6,475,629	3,247,711	3,227,917
2038									
0-4	486,742	246,476	240,266	758,609	384,132	374,477	894,875	453,129	441,746
5-9	482,484	244,714	237,771	691,771	350,862	340,909	782,058	396,653	385,404
10-14	493,061	250,264	242,797	657,923	333,942	323,981	710,531	360,644	349,887
15-19	501,156	254,391	246,765	625,213	317,364	307,849	661,746	335,910	325,837
20-24	501,150	254,197	246,953	591,531	300,042	291,489	606,942	307,860	299,083
25-29	487,368	247,079	240,289	543,861	275,719	268,142	548,601	278,122	270,479
30-34	442,808	224,887	217,921	442,808	224,887	217,921	442,808	224,887	217,921
35-39	418,125	211,631	206,495	418,125	211,631	206,495	418,125	211,631	206,495
40-44	355,305	180,537	174,768	355,305	180,537	174,768	355,305	180,537	174,768

45-49	306,127	152,322	153,805	306,127	152,322	153,805	306,127	152,322	153,805
50-54	268,544	125,980	142,564	268,544	125,980	142,564	268,544	125,980	142,564
55-59	217,022	99,717	117,305	217,022	99,717	117,305	217,022	99,717	117,305
60-64	156,066	71,791	84,275	156,066	71,791	84,275	156,066	71,791	84,275
65-69	108,148	50,299	57,849	108,148	50,299	57,849	108,148	50,299	57,849
70-74	67,135	32,840	34,296	67,135	32,840	34,296	67,135	32,840	34,296
75-79	34,611	17,274	17,337	34,611	17,274	17,337	34,611	17,274	17,337
80+	21,394	10,649	10,745	21,394	10,649	10,745	21,394	10,649	10,745
Total	5,347,245	2,675,045	2,672,200	6,264,192	3,139,985	3,124,206	6,600,037	3,310,242	3,289,795
2039									
0-4	481,470	243,834	237,635	765,622	387,726	377,896	908,355	460,005	448,350
5-9	478,910	242,915	235,995	696,532	353,298	343,234	797,239	404,378	392,861
10-14	489,951	248,681	241,270	663,851	336,944	326,906	719,736	365,309	354,427
15-19	497,488	252,549	244,940	627,790	318,697	309,093	668,948	339,591	329,357
20-24	500,444	253,863	246,581	597,617	303,158	294,460	615,948	312,457	303,491
25-29	488,436	247,611	240,825	550,745	279,198	271,546	557,284	282,513	274,770
30-34	447,315	227,228	220,087	456,258	231,762	224,496	456,533	231,901	224,632
35-39	425,692	215,287	210,405	425,692	215,287	210,405	425,692	215,287	210,405
40-44	364,620	185,170	179,450	364,620	185,170	179,450	364,620	185,170	179,450
45-49	311,528	155,985	155,542	311,528	155,985	155,542	311,528	155,985	155,542
50-54	273,052	129,205	143,847	273,052	129,205	143,847	273,052	129,205	143,847
55-59	224,273	102,942	121,331	224,273	102,942	121,331	224,273	102,942	121,331
60-64	162,858	74,602	88,256	162,858	74,602	88,256	162,858	74,602	88,256
65-69	111,950	51,658	60,291	111,950	51,658	60,291	111,950	51,658	60,291
70-74	69,825	33,709	36,116	69,825	33,709	36,116	69,825	33,709	36,116
75-79	36,534	18,133	18,401	36,534	18,133	18,401	36,534	18,133	18,401
80+	22,568	11,231	11,337	22,568	11,231	11,337	22,568	11,231	11,337
Total	5,386,914	2,694,603	2,692,310	6,361,315	3,188,706	3,172,608	6,726,941	3,374,076	3,352,864
2040									
0-4	475,593	240,886	234,707	772,678	391,344	381,334	922,988	467,467	455,521
5-9	475,172	241,039	234,133	701,892	356,046	345,845	811,779	411,788	399,991
10-14	486,543	246,943	239,600	669,172	339,634	329,538	730,252	370,634	359,619
15-19	494,124	250,858	243,265	631,292	320,498	310,795	676,307	343,351	332,956
20-24	499,212	253,261	245,951	602,930	305,881	297,049	624,742	316,947	307,795
25-29	489,075	247,935	241,140	557,488	282,617	274,871	565,960	286,912	279,048
30-34	451,683	229,446	222,236	470,545	239,008	231,536	471,394	239,439	231,955
35-39	431,828	218,351	213,477	431,828	218,351	213,477	431,828	218,351	213,477
40-44	374,543	189,942	184,601	374,543	189,942	184,601	374,543	189,942	184,601
45-49	317,609	159,732	157,877	317,609	159,732	157,877	317,609	159,732	157,877
50-54	276,973	132,482	144,491	276,973	132,482	144,491	276,973	132,482	144,491
55-59	231,035	106,002	125,033	231,035	106,002	125,033	231,035	106,002	125,033
60-64	170,232	77,678	92,554	170,232	77,678	92,554	170,232	77,678	92,554
65-69	115,840	53,147	62,693	115,840	53,147	62,693	115,840	53,147	62,693
70-74	72,575	34,525	38,050	72,575	34,525	38,050	72,575	34,525	38,050
75-79	38,340	18,928	19,412	38,340	18,928	19,412	38,340	18,928	19,412
80+	23,939	11,894	12,046	23,939	11,894	12,046	23,939	11,894	12,046
Total	5,424,316	2,713,049	2,711,266	6,458,911	3,237,708	3,221,203	6,856,337	3,439,218	3,417,119
2041									
0-4	469,141	237,648	231,494	779,795	394,996	384,799	938,779	475,521	463,258
5-9	471,323	239,112	232,210	707,865	359,115	348,750	825,647	418,868	406,778
10-14	482,910	245,089	237,820	673,930	342,036	331,894	742,221	376,694	365,527
15-19	491,012	249,294	241,718	635,757	322,784	312,973	683,841	347,197	336,644
20-24	497,381	252,355	245,025	607,356	308,155	299,202	633,231	321,284	311,947
25-29	489,409	248,115	241,294	564,200	286,032	278,168	574,739	291,375	283,363
30-34	456,575	231,862	224,712	486,393	246,977	239,416	488,141	247,863	240,278
35-39	435,809	220,454	215,355	435,809	220,454	215,355	435,809	220,454	215,355
40-44	384,710	194,741	189,968	384,710	194,741	189,968	384,710	194,741	189,968
45-49	324,436	163,612	160,824	324,436	163,612	160,824	324,436	163,612	160,824
50-54	280,665	135,814	144,852	280,665	135,814	144,852	280,665	135,814	144,852
55-59	237,227	108,948	128,279	237,227	108,948	128,279	237,227	108,948	128,279
60-64	177,875	80,894	96,981	177,875	80,894	96,981	177,875	80,894	96,981
65-69	119,987	54,807	65,180	119,987	54,807	65,180	119,987	54,807	65,180
70-74	75,388	35,336	40,052	75,388	35,336	40,052	75,388	35,336	40,052

75-79	40,074	19,659	20,415	40,074	19,659	20,415	40,074	19,659	20,415
80+	25,447	12,608	12,838	25,447	12,608	12,838	25,447	12,608	12,838
Total	5,459,368	2,730,350	2,729,019	6,556,914	3,286,968	3,269,946	6,988,216	3,505,675	3,482,541
2042									
0-4	462,100	234,107	227,993	786,981	398,679	388,302	955,750	484,169	471,581
5-9	467,411	237,156	230,255	714,485	362,516	351,968	838,819	425,601	413,217
10-14	479,254	243,229	236,025	678,265	344,229	334,036	755,868	383,612	372,256
15-19	488,119	247,832	240,287	641,230	325,571	315,658	691,580	351,136	340,444
20-24	494,767	251,053	243,714	610,693	309,877	300,816	641,225	325,371	315,855
25-29	489,528	248,192	241,335	570,951	289,475	281,476	583,685	295,932	287,753
30-34	463,353	235,129	228,224	505,224	256,351	248,873	508,222	257,870	250,352
35-39	436,291	220,925	215,367	436,291	220,925	215,367	436,291	220,925	215,367
40-44	394,682	199,434	195,248	394,682	199,434	195,248	394,682	199,434	195,248
45-49	332,050	167,692	164,358	332,050	167,692	164,358	332,050	167,692	164,358
50-54	284,599	139,196	145,403	284,599	139,196	145,403	284,599	139,196	145,403
55-59	242,787	111,863	130,924	242,787	111,863	130,924	242,787	111,863	130,924
60-64	185,378	84,089	101,289	185,378	84,089	101,289	185,378	84,089	101,289
65-69	124,605	56,685	67,920	124,605	56,685	67,920	124,605	56,685	67,920
70-74	78,260	36,201	42,059	78,260	36,201	42,059	78,260	36,201	42,059
75-79	41,804	20,332	21,471	41,804	20,332	21,471	41,804	20,332	21,471
80+	27,018	13,343	13,675	27,018	13,343	13,675	27,018	13,343	13,675
Total	5,492,005	2,746,459	2,745,546	6,655,301	3,336,459	3,318,842	7,122,621	3,573,450	3,549,172
2043									
0-4	454,363	230,212	224,151	794,198	402,378	391,819	973,899	493,415	480,483
5-9	463,450	235,173	228,276	721,790	366,265	355,525	851,288	431,978	419,310
10-14	476,033	241,598	234,435	682,521	346,395	336,126	771,599	391,603	379,996
15-19	485,466	246,484	238,982	647,812	328,911	318,901	699,614	355,212	344,401
20-24	490,986	249,157	241,829	612,536	310,840	301,696	648,337	329,009	319,328
25-29	489,507	248,205	241,302	577,793	292,971	284,822	592,848	300,605	292,243
30-34	475,100	240,773	234,327	530,177	268,685	261,492	534,799	271,028	263,771
35-39	430,229	218,232	211,997	430,229	218,232	211,997	430,229	218,232	211,997
40-44	404,114	203,916	200,198	404,114	203,916	200,198	404,114	203,916	200,198
45-49	340,440	172,009	168,431	340,440	172,009	168,431	340,440	172,009	168,431
50-54	289,122	142,629	146,492	289,122	142,629	146,492	289,122	142,629	146,492
55-59	247,705	114,807	132,898	247,705	114,807	132,898	247,705	114,807	132,898
60-64	192,438	87,148	105,290	192,438	87,148	105,290	192,438	87,148	105,290
65-69	129,812	58,805	71,007	129,812	58,805	71,007	129,812	58,805	71,007
70-74	81,199	37,162	44,036	81,199	37,162	44,036	81,199	37,162	44,036
75-79	43,576	20,958	22,618	43,576	20,958	22,618	43,576	20,958	22,618
80+	28,606	14,076	14,531	28,606	14,076	14,531	28,606	14,076	14,531
Total	5,522,145	2,761,343	2,760,802	6,754,066	3,386,187	3,367,879	7,259,622	3,642,591	3,617,032
2044									
0-4	447,062	226,539	220,523	800,061	405,398	394,663	991,128	502,205	488,923
5-9	458,854	232,869	225,985	729,103	370,020	359,083	864,829	438,901	425,928
10-14	472,612	239,873	232,739	687,372	348,874	338,499	786,753	399,313	387,440
15-19	482,518	244,981	237,538	653,803	331,944	321,859	708,848	359,891	348,957
20-24	487,544	247,430	240,114	615,252	312,244	303,008	655,595	332,719	322,876
25-29	488,983	247,964	241,019	583,936	296,116	287,820	601,849	305,200	296,649
30-34	476,305	241,375	234,931	537,073	272,170	264,902	543,451	275,403	268,048
35-39	434,777	220,592	214,185	443,484	225,003	218,481	443,752	225,139	218,613
40-44	411,577	207,519	204,058	411,577	207,519	204,058	411,577	207,519	204,058
45-49	349,510	176,503	173,008	349,510	176,503	173,008	349,510	176,503	173,008
50-54	294,349	146,134	148,215	294,349	146,134	148,215	294,349	146,134	148,215
55-59	251,981	117,819	134,161	251,981	117,819	134,161	251,981	117,819	134,161
60-64	199,019	90,033	108,986	199,019	90,033	108,986	199,019	90,033	108,986
65-69	135,639	61,181	74,458	135,639	61,181	74,458	135,639	61,181	74,458
70-74	84,179	38,223	45,956	84,179	38,223	45,956	84,179	38,223	45,956
75-79	45,405	21,541	23,864	45,405	21,541	23,864	45,405	21,541	23,864
80+	30,221	14,813	15,407	30,221	14,813	15,407	30,221	14,813	15,407
Total	5,550,537	2,775,389	2,775,148	6,851,964	3,435,535	3,416,429	7,398,084	3,712,537	3,685,549
2045									
0-4	440,222	223,096	217,125	804,612	407,750	396,863	1,007,528	510,570	496,957
5-9	453,673	230,267	223,406	736,463	373,801	362,662	879,480	446,391	433,089
10-14	469,028	238,071	230,958	692,816	351,661	341,155	801,282	406,717	394,565
15-19	479,277	243,325	235,952	659,200	334,670	324,530	719,381	365,223	354,158

20-24	484,397	245,852	238,545	618,878	314,108	304,770	663,012	336,509	326,503
25-29	487,946	247,463	240,483	589,327	298,879	290,447	610,649	309,693	300,956
30-34	477,093	241,774	235,319	543,837	275,598	268,238	552,104	279,788	272,315
35-39	439,191	222,834	216,357	457,555	232,136	225,419	458,382	232,555	225,827
40-44	417,661	210,553	207,108	417,661	210,553	207,108	417,661	210,553	207,108
45-49	359,170	181,131	178,040	359,170	181,131	178,040	359,170	181,131	178,040
50-54	300,227	149,719	150,508	300,227	149,719	150,508	300,227	149,719	150,508
55-59	255,718	120,883	134,835	255,718	120,883	134,835	255,718	120,883	134,835
60-64	205,179	92,781	112,398	205,179	92,781	112,398	205,179	92,781	112,398
65-69	141,953	63,775	78,177	141,953	63,775	78,177	141,953	63,775	78,177
70-74	87,234	39,380	47,854	87,234	39,380	47,854	87,234	39,380	47,854
75-79	47,283	22,095	25,189	47,283	22,095	25,189	47,283	22,095	25,189
80+	31,875	15,558	16,316	31,875	15,558	16,316	31,875	15,558	16,316
Total	5,577,127	2,788,557	2,788,570	6,948,985	3,484,478	3,464,509	7,538,118	3,783,322	3,754,797
2046									
0-4	433,864	219,890	213,974	807,840	409,418	398,422	1,023,132	518,518	504,614
5-9	447,928	227,377	220,551	743,890	377,613	366,277	895,269	454,456	440,813
10-14	465,332	236,216	229,116	698,866	354,765	344,101	815,150	413,794	401,356
15-19	475,810	241,552	234,257	664,041	337,111	326,930	731,348	371,280	360,068
20-24	481,495	244,395	237,101	623,447	316,447	307,000	670,603	340,383	330,220
25-29	486,318	246,661	239,658	593,852	301,202	292,649	619,154	314,036	305,118
30-34	477,582	242,031	235,551	550,572	279,023	271,549	560,858	284,236	276,622
35-39	444,112	225,265	218,848	473,142	239,966	233,176	474,845	240,828	234,017
40-44	421,661	212,660	209,001	421,661	212,660	209,001	421,661	212,660	209,001
45-49	369,069	185,787	183,282	369,069	185,787	183,282	369,069	185,787	183,282
50-54	306,819	153,433	153,386	306,819	153,433	153,386	306,819	153,433	153,386
55-59	259,248	123,998	135,250	259,248	123,998	135,250	259,248	123,998	135,250
60-64	210,840	95,435	115,405	210,840	95,435	115,405	210,840	95,435	115,405
65-69	148,491	66,485	82,006	148,491	66,485	82,006	148,491	66,485	82,006
70-74	90,497	40,668	49,829	90,497	40,668	49,829	90,497	40,668	49,829
75-79	49,209	22,649	26,560	49,209	22,649	26,560	49,209	22,649	26,560
80+	33,564	16,296	17,267	33,564	16,296	17,267	33,564	16,296	17,267
Total	5,601,837	2,800,798	2,801,039	7,045,047	3,532,957	3,512,091	7,679,755	3,854,942	3,824,813
2047									
0-4	428,043	216,949	211,094	809,765	410,411	399,354	1,038,036	526,093	511,943
5-9	441,599	224,187	217,412	751,393	381,460	369,933	912,220	463,107	449,113
10-14	461,570	234,330	227,240	705,555	358,196	347,359	828,335	420,529	407,806
15-19	472,318	239,771	232,547	668,466	339,346	329,121	744,971	378,183	366,788
20-24	478,803	243,035	235,768	629,005	319,277	309,729	678,397	344,347	334,050
25-29	483,922	245,469	238,454	597,312	302,986	294,326	627,178	318,136	309,042
30-34	477,859	242,187	235,672	557,348	282,474	274,874	569,781	288,776	281,005
35-39	450,863	228,518	222,345	491,626	249,156	242,470	494,546	250,634	243,911
40-44	422,273	213,190	209,083	422,273	213,190	209,083	422,273	213,190	209,083
45-49	378,786	190,344	188,442	378,786	190,344	188,442	378,786	190,344	188,442
50-54	314,164	157,338	156,826	314,164	157,338	156,826	314,164	157,338	156,826
55-59	263,012	127,163	135,849	263,012	127,163	135,849	263,012	127,163	135,849
60-64	215,937	98,066	117,871	215,937	98,066	117,871	215,937	98,066	117,871
65-69	154,912	69,177	85,736	154,912	69,177	85,736	154,912	69,177	85,736
70-74	94,135	42,125	52,010	94,135	42,125	52,010	94,135	42,125	52,010
75-79	51,178	23,242	27,936	51,178	23,242	27,936	51,178	23,242	27,936
80+	35,288	17,014	18,274	35,288	17,014	18,274	35,288	17,014	18,274
Total	5,624,664	2,812,103	2,812,561	7,140,158	3,580,964	3,559,193	7,823,150	3,927,464	3,895,685
2048									
0-4	422,829	214,312	208,517	810,401	410,745	399,656	1,052,344	533,359	518,985
5-9	434,584	220,646	213,938	758,935	385,324	373,611	930,342	472,350	457,992
10-14	457,757	232,416	225,341	712,923	361,972	350,952	840,831	426,914	413,917
15-19	469,251	238,214	231,037	672,815	341,553	331,262	760,650	386,143	374,506
20-24	476,341	241,783	234,558	635,651	322,647	313,004	686,481	348,447	338,034
25-29	480,383	243,694	236,689	599,312	304,026	295,285	634,343	321,798	312,545
30-34	477,999	242,277	235,722	564,216	285,979	278,237	578,919	293,432	285,488
35-39	462,437	234,072	228,365	516,055	261,213	254,842	520,557	263,492	257,064
40-44	416,540	210,661	205,879	416,540	210,661	205,879	416,540	210,661	205,879
45-49	387,991	194,703	193,288	387,991	194,703	193,288	387,991	194,703	193,288
50-54	322,253	161,469	160,785	322,253	161,469	160,785	322,253	161,469	160,785
55-59	267,333	130,378	136,955	267,333	130,378	136,955	267,333	130,378	136,955

60-64	220,459	100,727	119,732	220,459	100,727	119,732	220,459	100,727	119,732
65-69	160,971	71,760	89,211	160,971	71,760	89,211	160,971	71,760	89,211
70-74	98,236	43,766	54,470	98,236	43,766	54,470	98,236	43,766	54,470
75-79	53,196	23,901	29,295	53,196	23,901	29,295	53,196	23,901	29,295
80+	37,049	17,706	19,343	37,049	17,706	19,343	37,049	17,706	19,343
Total	5,645,609	2,822,484	2,823,125	7,234,336	3,628,529	3,605,807	7,968,495	4,001,006	3,967,489
2049									
0-4	418,343	212,041	206,301	812,635	411,883	400,752	1,067,785	541,195	526,590
5-9	427,931	217,286	210,646	765,233	388,553	376,680	947,649	481,175	466,473
10-14	453,315	230,183	223,132	720,301	365,753	354,548	854,388	433,839	420,549
15-19	465,985	236,563	229,422	677,753	344,071	333,683	775,764	393,828	381,936
20-24	473,588	240,377	233,211	641,718	325,715	316,003	695,749	353,140	342,610
25-29	477,171	242,083	235,088	602,166	305,498	296,668	641,654	325,532	316,122
30-34	477,646	242,120	235,526	570,404	289,141	281,263	587,904	298,012	289,892
35-39	463,769	234,736	229,033	522,947	264,690	258,256	529,160	267,836	261,324
40-44	421,116	213,033	208,084	429,572	212,308	212,264	429,832	217,440	212,392
45-49	395,304	198,221	197,083	395,304	198,221	197,083	395,304	198,221	197,083
50-54	330,996	165,768	165,228	330,996	165,768	165,228	330,996	165,768	165,228
55-59	272,315	133,661	138,654	272,315	133,661	138,654	272,315	133,661	138,654
60-64	224,408	103,452	120,956	224,408	103,452	120,956	224,408	103,452	120,956
65-69	166,643	74,205	92,437	166,643	74,205	92,437	166,643	74,205	92,437
70-74	102,818	45,603	57,215	102,818	45,603	57,215	102,818	45,603	57,215
75-79	55,246	24,624	30,622	55,246	24,624	30,622	55,246	24,624	30,622
80+	38,861	18,381	20,481	38,861	18,381	20,481	38,861	18,381	20,481
Total	5,665,455	2,832,337	2,833,118	7,329,320	3,676,527	3,652,793	8,116,476	4,075,912	4,040,564
2050									
0-4	414,546	210,117	204,430	816,476	413,829	402,647	1,084,389	549,611	534,778
5-9	421,690	214,127	207,563	770,270	391,129	379,140	964,165	489,585	474,580
10-14	448,291	227,654	220,637	727,726	369,558	358,167	869,046	441,324	427,722
15-19	462,556	234,834	227,722	683,277	346,892	336,385	790,265	401,210	389,055
20-24	470,545	238,820	231,724	647,203	328,482	318,721	706,297	358,475	347,823
25-29	474,245	240,615	233,630	605,912	307,419	298,493	649,124	329,344	319,780
30-34	476,788	241,705	235,083	575,857	291,929	283,928	596,696	302,494	294,202
35-39	464,694	235,202	229,493	529,713	268,113	261,600	537,768	272,191	265,578
40-44	425,562	215,289	210,273	443,392	224,300	219,092	444,195	224,706	219,489
45-49	401,295	201,198	200,097	401,295	201,198	200,097	401,295	201,198	200,097
50-54	340,304	170,196	170,107	340,304	170,196	170,107	340,304	170,196	170,107
55-59	277,909	137,023	140,886	277,909	137,023	140,886	277,909	137,023	140,886
60-64	227,882	106,225	121,657	227,882	106,225	121,657	227,882	106,225	121,657
65-69	171,978	76,544	95,433	171,978	76,544	95,433	171,978	76,544	95,433
70-74	107,767	47,602	60,165	107,767	47,602	60,165	107,767	47,602	60,165
75-79	57,352	25,412	31,940	57,352	25,412	31,940	57,352	25,412	31,940
80+	40,725	19,046	21,679	40,725	19,046	21,679	40,725	19,046	21,679
Total	5,684,129	2,841,608	2,842,520	7,425,037	3,724,897	3,700,139	8,267,158	4,152,186	4,114,972
2051									
0-4	411,426	208,538	202,889	821,969	416,617	405,352	1,102,199	558,646	543,554
5-9	415,910	211,196	204,714	774,037	393,049	380,988	979,937	497,602	482,335
10-14	442,707	224,838	217,869	735,220	373,397	361,823	884,835	449,382	435,453
15-19	459,014	233,052	225,962	689,402	350,027	339,375	804,121	408,274	395,847
20-24	467,279	237,149	230,130	652,147	330,972	321,176	718,260	364,525	353,735
25-29	471,558	239,265	232,293	610,585	309,807	300,778	656,770	333,241	323,529
30-34	475,354	240,997	234,357	580,469	294,290	286,179	605,205	306,831	298,373
35-39	465,329	235,530	229,799	536,457	271,535	264,923	546,483	276,610	269,873
40-44	430,499	217,726	212,773	458,677	231,961	226,716	460,330	232,797	227,534
45-49	405,286	203,291	201,995	405,286	203,291	201,995	405,286	203,291	201,995
50-54	349,845	174,654	175,191	349,845	174,654	175,191	349,845	174,654	175,191
55-59	284,174	140,507	143,667	284,174	140,507	143,667	284,174	140,507	143,667
60-64	231,183	109,049	122,134	231,183	109,049	122,134	231,183	109,049	122,134
65-69	176,904	78,814	98,090	176,904	78,814	98,090	176,904	78,814	98,090
70-74	112,885	49,688	63,198	112,885	49,688	63,198	112,885	49,688	63,198
75-79	59,606	26,287	33,320	59,606	26,287	33,320	59,606	26,287	33,320
80+	42,637	19,712	22,925	42,637	19,712	22,925	42,637	19,712	22,925
Total	5,701,597	2,850,291	2,851,306	7,521,485	3,773,656	3,747,828	8,420,660	4,229,909	4,190,751
2052									
0-4	408,972	207,299	201,673	829,141	420,264	408,878	1,121,219	568,302	552,917

5-9	410,645	208,522	202,123	776,533	394,315	382,218	995,032	505,265	489,767
10-14	436,544	221,725	214,819	742,792	377,272	365,520	901,778	458,023	443,755
15-19	455,405	231,239	224,166	696,157	353,486	342,671	817,308	415,004	402,305
20-24	463,985	235,467	228,518	656,684	333,260	323,423	731,854	371,409	360,445
25-29	469,073	238,009	231,064	616,228	312,677	303,551	664,617	337,230	327,387
30-34	473,165	239,907	233,259	584,040	296,125	287,916	613,248	310,935	302,313
35-39	465,757	235,759	229,998	543,244	274,985	268,259	555,366	281,122	274,244
40-44	437,200	220,952	216,248	476,757	240,927	235,830	479,592	242,359	237,233
45-49	406,016	203,875	202,141	406,016	203,875	202,141	406,016	203,875	202,141
50-54	359,219	179,022	180,197	359,219	179,022	180,197	359,219	179,022	180,197
55-59	291,148	144,170	146,978	291,148	144,170	146,978	291,148	144,170	146,978
60-64	234,706	111,920	122,786	234,706	111,920	122,786	234,706	111,920	122,786
65-69	181,357	81,070	100,286	181,357	81,070	100,286	181,357	81,070	100,286
70-74	117,914	51,759	66,155	117,914	51,759	66,155	117,914	51,759	66,155
75-79	62,124	27,275	34,849	62,124	27,275	34,849	62,124	27,275	34,849
80+	44,595	20,394	24,201	44,595	20,394	24,201	44,595	20,394	24,201
Total	5,717,824	2,858,364	2,859,460	7,618,655	3,822,796	3,795,859	8,577,091	4,309,132	4,267,960
2053									
0-4	407,202	206,412	200,790	838,045	424,797	413,248	1,141,463	578,591	562,873
5-9	405,965	206,142	199,823	777,762	394,933	382,829	1,009,541	512,624	496,916
10-14	429,698	218,264	211,434	750,401	381,165	369,237	919,882	467,252	452,630
15-19	451,742	229,397	222,344	703,581	357,285	346,296	829,819	421,390	408,429
20-24	461,102	234,003	227,099	661,144	335,523	325,621	747,469	379,333	368,136
25-29	466,808	236,857	229,950	622,935	316,076	306,859	672,749	341,352	331,398
30-34	469,854	238,246	231,608	586,183	297,234	288,949	620,452	314,611	305,840
35-39	466,048	235,925	230,123	550,121	278,488	271,633	564,461	285,748	278,713
40-44	448,556	226,387	222,169	500,578	252,646	247,931	504,949	254,854	250,095
45-49	400,628	201,524	199,103	400,628	201,524	199,103	400,628	201,524	199,103
50-54	368,111	183,206	184,905	368,111	183,206	184,905	368,111	183,206	184,905
55-59	298,823	148,044	150,779	298,823	148,044	150,779	298,823	148,044	150,779
60-64	238,738	114,839	123,900	238,738	114,839	123,900	238,738	114,839	123,900
65-69	185,320	83,356	101,964	185,320	83,356	101,964	185,320	83,356	101,964
70-74	122,670	53,750	68,920	122,670	53,750	68,920	122,670	53,750	68,920
75-79	64,963	28,389	36,574	64,963	28,389	36,574	64,963	28,389	36,574
80+	46,601	21,100	25,501	46,601	21,100	25,501	46,601	21,100	25,501
Total	5,732,828	2,865,842	2,866,986	7,716,603	3,872,355	3,844,248	8,736,639	4,389,964	4,346,675
2054									
0-4	405,336	205,482	199,854	846,038	428,884	417,155	1,161,208	588,646	572,562
5-9	401,939	204,093	197,846	780,448	396,288	384,160	1,025,126	520,527	504,599
10-14	423,205	214,980	208,226	756,782	384,430	372,353	937,184	476,070	461,114
15-19	447,454	227,239	220,214	711,015	361,091	349,924	843,383	428,315	415,068
20-24	458,022	232,447	225,575	666,184	338,091	328,093	762,535	386,991	375,544
25-29	464,254	235,554	228,700	629,077	319,182	309,895	682,046	346,058	335,988
30-34	466,861	236,745	230,116	589,162	298,766	290,397	627,802	318,361	309,441
35-39	465,858	235,849	230,009	556,338	281,659	274,678	573,410	290,304	283,106
40-44	450,005	227,112	222,893	507,440	256,104	251,337	513,474	259,150	254,324
45-49	405,215	203,896	201,319	413,387	208,011	205,377	413,638	208,137	205,501
50-54	375,204	186,599	188,605	375,204	186,599	188,605	375,204	186,599	188,605
55-59	307,115	152,078	155,037	307,115	152,078	155,037	307,115	152,078	155,037
60-64	243,374	117,823	125,551	243,374	117,823	125,551	243,374	117,823	125,551
65-69	188,802	85,700	103,103	188,802	85,700	103,103	188,802	85,700	103,103
70-74	127,146	55,644	71,501	127,146	55,644	71,501	127,146	55,644	71,501
75-79	68,127	29,632	38,495	68,127	29,632	38,495	68,127	29,632	38,495
80+	48,654	21,835	26,818	48,654	21,835	26,818	48,654	21,835	26,818
Total	5,746,571	2,872,709	2,873,862	7,814,294	3,921,816	3,892,478	8,898,228	4,471,869	4,426,359
2055									
0-4	403,352	204,496	198,856	853,173	432,543	420,629	1,180,489	598,480	582,009
5-9	398,562	202,375	196,187	784,662	398,422	386,240	1,041,836	529,004	512,832
10-14	417,117	211,895	205,222	761,916	387,051	374,864	953,709	484,481	469,228
15-19	442,589	224,788	217,800	718,498	364,923	353,575	858,038	435,796	422,242
20-24	454,778	230,814	223,965	671,802	340,962	330,841	777,003	394,356	382,648
25-29	461,414	234,103	227,311	634,650	321,995	312,655	692,602	351,398	341,204
30-34	464,145	235,384	228,762	593,016	300,740	292,276	635,311	322,190	313,121
35-39	465,173	235,523	229,650	561,839	284,469	277,370	582,176	294,768	287,409
40-44	451,060	227,647	223,413	514,186	259,512	254,675	522,010	263,462	258,548

45-49	409,677	206,158	203,519	426,897	214,822	212,075	427,673	215,212	212,460
50-54	381,047	189,486	191,561	381,047	189,486	191,561	381,047	189,486	191,561
55-59	315,940	156,233	159,707	315,940	156,233	159,707	315,940	156,233	159,707
60-64	248,566	120,883	127,684	248,566	120,883	127,684	248,566	120,883	127,684
65-69	191,895	88,089	103,805	191,895	88,089	103,805	191,895	88,089	103,805
70-74	131,381	57,466	73,915	131,381	57,466	73,915	131,381	57,466	73,915
75-79	71,536	30,982	40,554	71,536	30,982	40,554	71,536	30,982	40,554
80+	50,769	22,603	28,167	50,769	22,603	28,167	50,769	22,603	28,167
Total	5,759,000	2,878,924	2,880,076	7,911,773	3,971,182	3,940,591	9,061,981	4,554,889	4,507,092
2056									
0-4	401,221	203,437	197,784	859,455	435,774	423,681	1,199,280	608,069	591,211
5-9	395,830	200,990	194,840	790,469	401,375	389,094	1,059,712	538,087	521,625
10-14	411,480	209,033	202,447	765,792	389,023	376,769	969,500	492,506	476,994
15-19	437,166	222,053	215,114	726,050	368,790	357,261	873,813	443,845	429,968
20-24	451,420	229,127	222,292	678,011	344,141	333,870	790,841	401,411	389,430
25-29	458,351	232,537	225,814	639,693	324,538	315,155	704,549	357,441	347,107
30-34	461,660	234,136	227,523	597,777	303,171	294,605	642,994	326,104	316,890
35-39	463,923	234,910	229,013	566,520	286,863	279,657	590,668	299,093	291,576
40-44	451,832	228,049	223,783	520,913	262,921	257,992	530,653	267,839	262,814
45-49	414,604	208,589	206,015	441,802	222,264	219,537	443,399	223,068	220,331
50-54	384,989	191,540	193,449	384,989	191,540	193,449	384,989	191,540	193,449
55-59	324,986	160,419	164,567	324,986	160,419	164,567	324,986	160,419	164,567
60-64	254,368	124,055	130,314	254,368	124,055	130,314	254,368	124,055	130,314
65-69	194,854	90,524	104,330	194,854	90,524	104,330	194,854	90,524	104,330
70-74	135,313	59,244	76,069	135,313	59,244	76,069	135,313	59,244	76,069
75-79	75,053	32,387	42,666	75,053	32,387	42,666	75,053	32,387	42,666
80+	53,001	23,420	29,580	53,001	23,420	29,580	53,001	23,420	29,580
Total	5,770,052	2,884,451	2,885,601	8,009,049	4,020,450	3,988,597	9,227,972	4,639,054	4,588,919
2057									
0-4	398,924	202,292	196,632	864,907	438,581	426,326	1,217,574	617,405	600,169
5-9	393,744	199,938	193,806	797,923	405,174	392,749	1,078,779	547,788	530,991
10-14	406,351	206,425	199,926	768,412	390,349	378,063	984,627	500,184	484,443
15-19	431,169	219,023	212,147	733,681	372,693	360,988	890,733	452,473	438,260
20-24	447,992	227,409	220,584	684,842	347,640	337,202	804,029	408,142	395,887
25-29	455,258	230,961	224,297	644,339	326,885	317,454	718,102	364,307	353,795
30-34	459,369	232,980	226,389	603,489	306,076	297,413	650,878	330,111	320,768
35-39	461,935	233,924	228,011	570,188	288,746	281,443	598,711	303,192	295,519
40-44	452,403	228,355	224,048	527,684	266,360	261,324	539,464	272,308	267,156
45-49	421,216	211,767	209,449	459,375	230,942	228,434	462,112	232,318	229,795
50-54	385,827	192,170	193,657	385,827	192,170	193,657	385,827	192,170	193,657
55-59	333,883	164,525	169,359	333,883	164,525	169,359	333,883	164,525	169,359
60-64	260,821	127,391	133,429	260,821	127,391	133,429	260,821	127,391	133,429
65-69	198,018	93,004	105,015	198,018	93,004	105,015	198,018	93,004	105,015
70-74	138,882	61,018	77,864	138,882	61,018	77,864	138,882	61,018	77,864
75-79	78,511	33,783	44,728	78,511	33,783	44,728	78,511	33,783	44,728
80+	55,413	24,310	31,102	55,413	24,310	31,102	55,413	24,310	31,102
Total	5,779,717	2,889,274	2,890,444	8,106,195	4,069,646	4,036,549	9,396,362	4,724,427	4,671,936
2058									
0-4	396,411	201,039	195,372	869,520	440,966	428,554	1,235,325	626,471	608,854
5-9	392,330	199,231	193,098	807,089	409,853	397,236	1,099,068	558,124	540,944
10-14	401,798	204,107	197,691	769,779	391,034	378,745	999,180	507,564	491,616
15-19	424,496	215,648	208,848	741,353	376,616	364,737	908,805	461,685	447,121
20-24	444,510	225,662	218,849	692,335	351,475	340,860	816,560	414,541	402,019
25-29	452,568	229,598	222,970	648,913	329,209	319,704	733,648	372,198	361,450
30-34	457,292	231,925	225,367	610,246	309,500	300,746	659,046	334,250	324,796
35-39	458,849	232,380	226,469	572,464	289,922	282,541	605,939	306,878	299,061
40-44	452,841	228,600	224,241	534,549	269,853	264,695	548,488	276,892	271,596
45-49	432,279	217,040	215,238	482,434	242,229	240,205	486,653	244,349	242,304
50-54	380,830	190,024	190,806	380,830	190,024	190,806	380,830	190,024	190,806
55-59	342,340	168,467	173,872	342,340	168,467	173,872	342,340	168,467	173,872
60-64	267,918	130,920	136,997	267,918	130,920	136,997	267,918	130,920	136,997
65-69	201,631	95,528	106,103	201,631	95,528	106,103	201,631	95,528	106,103
70-74	142,072	62,820	79,252	142,072	62,820	79,252	142,072	62,820	79,252
75-79	81,791	35,127	46,664	81,791	35,127	46,664	81,791	35,127	46,664
80+	58,037	25,284	32,754	58,037	25,284	32,754	58,037	25,284	32,754

30-34	446,531	226,434	220,096	631,994	320,483	311,511	704,354	357,178	347,175
35-39	449,195	227,548	221,647	590,137	298,949	291,188	636,479	322,425	314,054
40-44	449,458	226,993	222,465	554,802	280,201	274,601	582,566	294,227	288,339
45-49	436,639	219,291	217,349	509,323	255,803	253,520	520,701	261,520	259,181
50-54	401,230	200,133	201,097	437,651	218,297	219,354	440,267	219,603	220,664
55-59	359,532	177,082	182,450	359,532	177,082	182,450	359,532	177,082	182,450
60-64	300,321	145,949	154,372	300,321	145,949	154,372	300,321	145,949	154,372
65-69	221,241	106,417	114,823	221,241	106,417	114,823	221,241	106,417	114,823
70-74	152,525	70,455	82,070	152,525	70,455	82,070	152,525	70,455	82,070
75-79	93,144	40,105	53,040	93,144	40,105	53,040	93,144	40,105	53,040
80+	70,152	29,880	40,272	70,152	29,880	40,272	70,152	29,880	40,272
Total	5,791,660	2,894,911	2,896,749	8,601,076	4,320,170	4,280,908	10,289,184	5,177,072	5,112,112
2063									
0-4	362,419	183,892	178,527	908,544	460,982	447,562	1,347,875	683,883	663,991
5-9	383,354	194,772	188,581	840,618	427,097	413,520	1,193,983	606,634	587,349
10-14	388,683	197,448	191,235	799,587	406,184	393,403	1,088,854	553,130	535,724
15-19	397,355	201,870	195,486	761,284	386,758	374,527	988,175	502,026	486,149
20-24	418,269	212,434	205,835	730,501	371,015	359,486	895,512	454,824	440,688
25-29	436,947	221,762	215,185	680,562	345,405	335,157	802,678	407,383	395,295
30-34	444,029	225,168	218,861	636,677	322,862	313,815	719,824	365,028	354,796
35-39	447,306	226,591	220,715	596,936	302,392	294,544	644,673	326,575	318,098
40-44	446,606	225,577	221,030	557,205	281,445	275,760	589,800	297,913	291,887
45-49	437,225	219,616	217,609	516,141	259,265	256,877	529,608	266,032	263,576
50-54	411,885	205,177	206,709	459,707	229,008	230,699	463,737	231,018	232,719
55-59	355,012	175,178	179,834	355,012	175,178	179,834	355,012	175,178	179,834
60-64	308,163	149,559	158,604	308,163	149,559	158,604	308,163	149,559	158,604
65-69	227,520	109,483	118,037	227,520	109,483	118,037	227,520	109,483	118,037
70-74	155,523	72,460	83,063	155,523	72,460	83,063	155,523	72,460	83,063
75-79	95,409	41,352	54,057	95,409	41,352	54,057	95,409	41,352	54,057
80+	73,325	31,108	42,217	73,325	31,108	42,217	73,325	31,108	42,217
Total	5,789,029	2,893,445	2,895,584	8,702,712	4,371,552	4,331,161	10,479,670	5,273,584	5,206,085
2064									
0-4	358,998	182,167	176,831	916,980	465,292	451,688	1,374,072	697,217	676,854
5-9	377,343	191,738	185,605	846,776	430,270	416,506	1,213,535	616,630	596,905
10-14	387,262	196,739	190,522	808,004	410,489	397,516	1,108,762	563,282	545,480
15-19	393,574	199,941	193,633	764,223	388,235	375,988	1,003,835	509,961	493,874
20-24	412,148	209,338	202,810	737,060	374,370	362,691	912,788	463,626	449,161
25-29	433,046	219,805	213,242	688,147	349,290	338,857	816,266	414,322	401,945
30-34	441,331	223,809	217,522	641,923	325,536	316,388	734,779	372,627	362,152
35-39	445,138	225,487	219,651	603,199	305,557	297,642	653,996	331,289	322,706
40-44	444,057	224,312	219,745	560,412	283,093	277,318	597,183	301,672	295,511
45-49	437,356	219,715	217,641	522,343	262,419	259,924	538,389	270,484	267,906
50-54	413,548	206,015	207,533	466,386	232,347	234,039	471,948	235,121	236,828
55-59	359,555	177,491	182,064	366,938	181,147	185,791	367,165	181,259	185,906
60-64	314,480	152,514	161,966	314,480	152,514	161,966	314,480	152,514	161,966
65-69	234,296	112,675	121,621	234,296	112,675	121,621	234,296	112,675	121,621
70-74	158,938	74,518	84,420	158,938	74,518	84,420	158,938	74,518	84,420
75-79	97,431	42,635	54,796	97,431	42,635	54,796	97,431	42,635	54,796
80+	76,513	32,348	44,165	76,513	32,348	44,165	76,513	32,348	44,165
Total	5,785,015	2,891,247	2,893,768	8,804,051	4,422,735	4,381,316	10,674,375	5,372,183	5,302,194
2065									
0-4	355,554	180,426	175,128	924,188	468,968	455,220	1,400,844	710,827	690,017
5-9	371,165	188,615	182,550	853,975	433,965	420,010	1,234,628	627,402	607,226
10-14	385,722	195,974	189,748	815,610	414,387	401,223	1,128,257	573,235	555,022
15-19	390,424	198,333	192,091	768,659	390,475	378,184	1,020,606	518,462	502,143
20-24	406,413	206,432	199,981	742,407	377,097	365,310	929,318	472,037	457,281
25-29	428,580	217,559	211,021	695,784	353,202	342,583	830,925	421,804	409,121
30-34	438,472	222,373	216,099	647,731	328,502	319,229	749,174	379,951	369,222
35-39	442,693	224,239	218,453	608,923	308,444	300,479	664,539	336,617	327,922
40-44	441,769	223,178	218,592	564,457	285,165	279,293	604,728	305,512	299,216
45-49	437,022	219,579	217,444	527,878	265,237	262,641	547,007	274,853	272,154
50-54	414,851	206,681	208,170	472,968	235,646	237,322	480,183	239,244	240,939
55-59	363,981	179,704	184,277	379,488	187,373	192,115	380,187	187,719	192,468
60-64	319,762	155,063	164,699	319,762	155,063	164,699	319,762	155,063	164,699
65-69	241,495	115,964	125,531	241,495	115,964	125,531	241,495	115,964	125,531

70-74	162,732	76,633	86,099	162,732	76,633	86,099	162,732	76,633	86,099
75-79	99,274	43,948	55,325	99,274	43,948	55,325	99,274	43,948	55,325
80+	79,711	33,607	46,105	79,711	33,607	46,105	79,711	33,607	46,105
Total	5,779,621	2,888,309	2,891,313	8,905,043	4,473,677	4,431,367	10,873,367	5,472,879	5,400,490
2066									
0-4	352,164	178,711	173,453	930,182	472,025	458,156	1,428,208	724,735	703,473
5-9	364,832	185,411	179,421	862,172	438,163	424,008	1,257,273	638,958	618,316
10-14	384,042	195,137	188,905	822,405	417,875	404,529	1,147,310	582,965	564,345
15-19	387,903	197,050	190,853	774,658	393,518	381,141	1,038,530	527,562	510,968
20-24	401,113	203,740	197,373	746,531	379,191	367,340	945,146	480,076	465,070
25-29	423,568	215,034	208,533	703,496	357,149	346,347	846,681	429,842	416,839
30-34	435,497	220,883	214,614	654,114	331,768	322,346	762,975	386,984	375,991
35-39	440,031	222,881	217,150	614,146	311,075	303,071	676,431	342,626	333,805
40-44	439,698	222,151	217,548	569,373	287,673	281,700	612,448	309,438	303,010
45-49	436,155	219,174	216,981	532,649	267,671	264,978	555,379	279,100	276,280
50-54	415,896	207,228	208,668	479,543	238,953	240,590	488,528	243,434	245,095
55-59	368,798	182,052	186,746	393,212	194,111	199,101	394,649	194,822	199,827
60-64	323,449	156,933	166,516	323,449	156,933	166,516	323,449	156,933	166,516
65-69	248,876	119,282	129,594	248,876	119,282	129,594	248,876	119,282	129,594
70-74	166,947	78,832	88,115	166,947	78,832	88,115	166,947	78,832	88,115
75-79	101,077	45,292	55,785	101,077	45,292	55,785	101,077	45,292	55,785
80+	82,864	34,884	47,980	82,864	34,884	47,980	82,864	34,884	47,980
Total	5,772,911	2,884,675	2,888,235	9,005,693	4,524,397	4,481,296	11,076,772	5,575,763	5,501,009
2067									
0-4	348,900	177,056	171,843	934,959	474,455	460,504	1,456,171	738,932	717,239
5-9	358,352	182,128	176,224	871,309	442,832	428,476	1,281,474	651,294	630,180
10-14	382,198	194,216	187,981	828,397	420,956	407,441	1,165,901	592,461	573,440
15-19	386,012	196,092	189,921	782,273	397,390	384,883	1,057,633	537,272	520,362
20-24	396,300	201,291	195,009	749,433	380,657	368,776	960,340	487,782	472,558
25-29	417,991	212,219	205,771	711,288	361,133	350,155	863,561	438,446	425,116
30-34	432,451	219,359	213,092	661,103	335,345	325,758	776,164	393,710	382,454
35-39	437,335	221,510	215,826	618,992	313,521	305,471	689,878	349,429	340,450
40-44	437,807	221,206	216,601	575,198	290,631	284,567	620,368	313,455	306,913
45-49	434,590	218,418	216,172	536,472	269,630	266,841	563,337	283,139	280,198
50-54	416,755	207,687	209,068	486,168	242,291	243,877	497,040	247,713	249,327
55-59	375,053	185,016	190,037	409,205	201,867	207,338	411,664	203,082	208,582
60-64	324,505	157,626	166,879	324,505	157,626	166,879	324,505	157,626	166,879
65-69	256,156	122,548	133,608	256,156	122,548	133,608	256,156	122,548	133,608
70-74	171,621	81,148	90,473	171,621	81,148	90,473	171,621	81,148	90,473
75-79	103,019	46,664	56,354	103,019	46,664	56,354	103,019	46,664	56,354
80+	85,907	36,180	49,727	85,907	36,180	49,727	85,907	36,180	49,727
Total	5,764,952	2,880,366	2,884,585	9,106,004	4,574,874	4,531,129	11,284,740	5,680,881	5,603,859
2068									
0-4	345,845	175,508	170,336	938,521	476,270	462,251	1,484,758	753,450	731,308
5-9	351,717	178,762	172,955	881,310	447,930	433,380	1,307,211	664,396	642,816
10-14	380,139	193,187	186,953	833,571	423,621	409,950	1,183,976	601,697	582,279
15-19	384,776	195,469	189,307	791,569	402,125	389,444	1,077,946	547,608	530,339
20-24	392,042	199,121	192,921	751,116	381,497	369,618	974,990	495,205	479,785
25-29	411,750	209,066	202,685	719,127	365,138	353,989	881,574	447,622	433,952
30-34	429,346	217,803	211,543	668,736	339,247	329,489	788,733	400,122	388,611
35-39	435,021	220,339	214,682	623,773	315,946	307,827	705,252	357,220	348,032
40-44	436,109	220,351	215,758	582,017	294,080	287,937	628,564	317,600	310,964
45-49	431,986	217,138	214,847	538,988	270,932	268,056	570,537	286,797	283,740
50-54	417,490	208,089	209,401	492,885	245,680	247,204	505,758	252,101	253,657
55-59	385,133	189,734	195,399	429,897	211,799	218,098	433,680	213,666	220,014
60-64	320,581	156,008	164,573	320,581	156,008	164,573	320,581	156,008	164,573
65-69	263,112	125,700	137,411	263,112	125,700	137,411	263,112	125,700	137,411
70-74	176,754	83,598	93,156	176,754	83,598	93,156	176,754	83,598	93,156
75-79	105,221	48,066	57,155	105,221	48,066	57,155	105,221	48,066	57,155
80+	88,809	37,499	51,310	88,809	37,499	51,310	88,809	37,499	51,310
Total	5,755,830	2,875,439	2,880,391	9,205,985	4,625,136	4,580,849	11,497,456	5,788,354	5,709,100
2069									
0-4	343,020	174,079	168,941	943,197	478,653	464,544	1,513,972	768,294	745,678
5-9	348,630	177,194	171,436	890,133	452,417	437,716	1,333,524	677,773	655,751
10-14	374,246	190,206	184,040	839,828	426,833	412,995	1,203,580	611,706	591,874

15-19	383,445	194,803	188,642	800,058	406,459	393,600	1,097,871	557,759	540,111
20-24	388,413	197,269	191,144	754,212	383,053	371,159	990,697	503,160	487,537
25-29	405,841	206,077	199,764	725,792	368,543	357,249	898,838	456,413	442,425
30-34	425,640	215,943	209,697	676,390	343,161	333,229	802,324	407,054	395,270
35-39	432,514	219,078	213,436	629,113	318,664	310,449	720,130	364,770	355,360
40-44	434,141	219,354	214,786	588,320	297,262	291,058	637,870	322,300	315,570
45-49	429,677	216,007	213,670	542,291	272,629	269,662	577,890	290,531	287,358
50-54	417,792	208,277	209,516	499,017	248,781	250,236	514,362	256,436	257,926
55-59	386,899	190,616	196,283	436,383	215,008	221,375	441,604	217,584	224,020
60-64	325,044	158,240	166,803	331,837	161,560	170,277	332,046	161,662	170,384
65-69	268,753	128,298	140,455	268,753	128,298	140,455	268,753	128,298	140,455
70-74	182,289	86,151	96,137	182,289	86,151	96,137	182,289	86,151	96,137
75-79	107,719	49,509	58,209	107,719	49,509	58,209	107,719	49,509	58,209
80+	91,589	38,848	52,741	91,589	38,848	52,741	91,589	38,848	52,741
Total	5,745,650	2,869,949	2,875,701	9,306,921	4,675,828	4,631,093	11,715,058	5,898,250	5,816,807
2070									
0-4	340,438	172,771	167,667	949,019	481,615	467,404	1,543,801	783,445	760,356
5-9	345,516	175,609	169,907	897,777	456,296	441,481	1,360,430	691,439	668,991
10-14	368,184	187,136	181,048	847,121	430,566	416,555	1,224,720	622,488	602,232
15-19	381,996	194,080	187,916	807,746	410,392	397,354	1,117,392	567,715	549,677
20-24	385,405	195,733	189,672	758,789	385,361	373,427	1,007,510	511,678	495,832
25-29	400,309	203,274	197,035	731,265	371,332	359,934	915,378	464,824	450,554
30-34	421,374	213,798	207,576	684,100	347,104	336,996	816,976	414,525	402,450
35-39	429,848	217,741	212,106	635,006	321,670	313,336	734,467	372,055	362,411
40-44	431,901	218,217	213,683	594,101	300,175	293,926	648,375	327,601	320,774
45-49	427,624	215,003	212,621	546,412	274,737	271,675	585,407	294,348	291,059
50-54	417,650	208,241	209,408	504,515	251,565	252,950	522,818	260,697	262,120
55-59	388,334	191,341	196,992	442,789	218,186	224,603	449,560	221,526	228,033
60-64	329,396	160,380	169,015	343,613	167,318	176,295	344,255	167,632	176,623
65-69	273,519	130,560	142,960	273,519	130,560	142,960	273,519	130,560	142,960
70-74	188,160	88,782	99,378	188,160	88,782	99,378	188,160	88,782	99,378
75-79	110,479	50,995	59,484	110,479	50,995	59,484	110,479	50,995	59,484
80+	94,288	40,225	54,062	94,288	40,225	54,062	94,288	40,225	54,062
Total	5,734,419	2,863,887	2,870,531	9,408,700	4,726,878	4,681,822	11,937,535	6,010,535	5,926,998
2071									
0-4	338,099	171,590	166,509	956,012	485,179	470,833	1,574,191	798,895	775,296
5-9	342,444	174,044	168,399	904,234	459,569	444,665	1,387,937	705,406	682,531
10-14	361,966	183,985	177,981	855,402	434,797	420,605	1,247,404	634,050	613,354
15-19	380,406	193,286	187,120	814,632	413,919	400,713	1,136,481	577,454	559,027
20-24	383,015	194,516	188,499	764,908	388,463	376,445	1,025,467	520,790	504,677
25-29	395,201	200,679	194,522	735,535	373,498	362,037	931,232	472,872	458,360
30-34	416,567	211,377	205,191	691,884	351,084	340,801	832,713	422,546	410,167
35-39	427,064	216,350	210,714	641,465	324,970	316,495	748,228	379,059	369,169
40-44	429,447	216,972	212,475	599,395	302,842	296,553	660,203	333,570	326,633
45-49	425,778	214,100	211,677	551,378	274,268	274,110	593,098	298,250	294,848
50-54	416,994	207,950	209,044	509,284	253,986	255,299	531,042	264,844	266,198
55-59	389,526	191,956	197,570	449,193	221,374	227,819	457,626	225,534	232,092
60-64	334,073	162,627	171,447	356,385	173,499	182,885	357,701	174,142	183,560
65-69	276,920	132,249	144,671	276,920	132,249	144,671	276,920	132,249	144,671
70-74	194,176	91,436	102,740	194,176	91,436	102,740	194,176	91,436	102,740
75-79	113,536	52,541	60,995	113,536	52,541	60,995	113,536	52,541	60,995
80+	96,960	41,632	55,328	96,960	41,632	55,328	96,960	41,632	55,328
Total	5,722,173	2,857,291	2,864,881	9,511,300	4,778,307	4,732,993	12,164,914	6,125,270	6,039,645
2072									
0-4	336,016	170,542	165,474	964,258	489,390	474,868	1,605,159	814,656	790,503
5-9	339,487	172,538	166,949	909,494	462,232	447,262	1,416,053	719,679	696,374
10-14	355,599	180,756	174,843	864,617	439,498	425,119	1,271,635	646,392	625,243
15-19	378,652	192,408	186,243	820,724	417,045	403,679	1,155,117	586,965	568,151
20-24	381,246	193,619	187,626	772,625	392,385	380,239	1,044,596	530,510	514,086
25-29	390,569	198,323	192,246	738,602	375,047	363,555	946,468	480,597	465,871
30-34	411,201	208,669	202,532	699,751	355,102	344,649	849,562	431,128	418,434
35-39	424,207	214,924	209,283	648,519	328,577	319,942	761,395	385,768	375,627
40-44	426,959	215,714	211,245	604,324	305,330	298,994	673,554	340,315	333,239
45-49	424,102	213,276	210,825	557,225	280,233	276,992	600,987	302,243	298,745
50-54	415,669	207,326	208,343	513,150	255,958	257,192	538,875	268,799	270,076

55-59	390,544	192,491	198,053	455,648	224,594	231,054	465,856	229,630	236,225
60-64	339,998	165,398	174,600	371,113	180,541	190,572	373,361	181,637	191,724
65-69	278,050	132,940	145,110	278,050	132,940	145,110	278,050	132,940	145,110
70-74	200,119	94,055	106,064	200,119	94,055	106,064	200,119	94,055	106,064
75-79	116,922	54,173	62,750	116,922	54,173	62,750	116,922	54,173	62,750
80+	99,677	43,068	56,609	99,677	43,068	56,609	99,677	43,068	56,609
Total	5,709,017	2,850,220	2,858,797	9,614,817	4,830,170	4,784,650	12,397,385	6,242,555	6,154,832

2073

0-4	334,192	169,628	164,563	973,819	494,280	479,539	1,636,671	830,712	805,959
5-9	336,726	171,132	165,594	913,553	464,289	449,263	1,444,795	734,278	710,516
10-14	349,073	177,442	171,631	874,690	444,626	430,064	1,297,394	659,496	637,897
15-19	376,684	191,423	185,261	826,008	419,761	406,247	1,173,248	596,223	577,025
20-24	380,120	193,054	187,066	782,002	397,161	384,841	1,064,926	540,853	524,074
25-29	386,481	196,241	190,240	740,467	375,981	364,485	961,174	488,048	473,126
30-34	405,178	205,628	199,551	707,665	359,144	348,522	867,531	440,278	427,253
35-39	421,290	213,467	207,823	656,207	332,505	323,702	773,961	392,174	381,788
40-44	424,837	214,649	210,189	609,192	307,800	301,392	688,790	348,026	340,765
45-49	422,603	212,533	210,071	564,031	283,670	280,361	609,142	306,359	302,783
50-54	413,345	206,202	207,143	515,767	257,308	258,459	545,985	272,393	273,593
55-59	391,441	192,971	198,471	462,192	227,865	234,327	474,282	233,830	240,452
60-64	349,264	169,676	179,588	389,929	189,444	200,485	393,382	191,125	202,257
65-69	274,851	131,655	143,197	274,851	131,655	143,197	274,851	131,655	143,197
70-74	205,819	96,593	109,226	205,819	96,593	109,226	205,819	96,593	109,226
75-79	120,639	55,899	64,741	120,639	55,899	64,741	120,639	55,899	64,741
80+	102,489	44,534	57,955	102,489	44,534	57,955	102,489	44,534	57,955
Total	5,695,035	2,842,726	2,852,309	9,719,318	4,882,514	4,836,806	12,635,078	6,362,475	6,272,606

2074

0-4	332,400	168,733	163,667	983,575	499,273	484,302	1,668,776	847,077	821,699
5-9	334,179	169,839	164,340	918,652	466,884	451,768	1,474,158	749,207	724,951
10-14	346,067	175,913	170,153	883,591	449,148	434,442	1,323,725	672,878	650,847
15-19	370,909	188,500	182,408	832,365	423,021	409,344	1,192,898	606,250	586,648
20-24	378,899	192,444	186,455	790,584	401,542	389,042	1,084,878	551,017	533,861
25-29	383,009	194,470	188,539	743,724	377,620	366,104	976,929	496,028	480,901
30-34	399,476	202,746	196,730	714,426	362,596	351,830	884,770	449,053	435,717
35-39	417,778	211,709	206,068	663,917	336,447	327,470	787,536	399,094	388,442
40-44	422,526	213,495	209,031	614,607	310,557	304,050	703,547	355,505	348,042
45-49	420,844	211,654	209,190	570,338	286,850	283,488	618,384	311,017	307,366
50-54	411,308	205,221	206,087	519,147	259,040	260,107	553,251	276,065	277,186
55-59	391,932	193,253	198,679	468,188	230,868	237,320	482,608	237,985	244,623
60-64	351,125	170,591	180,534	396,108	192,459	203,649	400,869	194,776	206,093
65-69	279,127	133,746	145,381	285,129	136,634	148,495	285,314	136,723	148,591
70-74	210,466	98,693	111,773	210,466	98,693	111,773	210,466	98,693	111,773
75-79	124,644	57,698	66,947	124,644	57,698	66,947	124,644	57,698	66,947
80+	105,420	46,042	59,378	105,420	46,042	59,378	105,420	46,042	59,378
Total	5,680,110	2,834,748	2,845,362	9,824,879	4,935,371	4,889,509	12,878,172	6,485,109	6,393,065

2075

0-4	330,604	167,835	162,769	993,560	504,381	489,180	1,701,557	863,784	837,773
5-9	331,857	168,664	163,193	924,843	470,045	454,799	1,504,119	764,457	739,662
10-14	343,029	174,366	168,663	891,320	453,069	438,251	1,350,648	686,550	664,098
15-19	364,965	185,490	179,475	839,749	426,797	412,952	1,214,075	617,048	597,028
20-24	377,560	191,778	185,782	798,376	405,529	392,847	1,104,438	560,992	543,446
25-29	380,147	193,010	187,137	748,443	380,003	368,440	993,780	504,566	489,213
30-34	394,142	200,046	194,097	720,013	365,443	354,570	901,301	457,457	443,844
35-39	413,713	209,672	204,042	671,684	340,419	331,265	802,157	406,547	395,611
40-44	420,056	212,267	207,789	620,565	313,598	306,967	717,781	362,730	355,050
45-49	418,821	210,641	208,180	576,144	289,775	286,369	628,797	316,263	312,534
50-54	409,516	204,363	205,153	523,318	261,168	262,150	560,682	279,820	280,861
55-59	392,004	193,327	198,677	473,591	233,579	240,012	490,801	242,074	248,726
60-64	352,690	171,370	181,320	402,225	195,453	206,772	408,399	198,457	209,942
65-69	283,293	135,752	147,541	295,781	141,752	154,029	296,346	142,024	154,322
70-74	214,441	100,541	113,900	214,441	100,541	113,900	214,441	100,541	113,900
75-79	128,886	59,551	69,335	128,886	59,551	69,335	128,886	59,551	69,335
80+	108,467	47,592	60,875	108,467	47,592	60,875	108,467	47,592	60,875
Total	5,664,194	2,826,264	2,837,929	9,931,407	4,988,692	4,942,715	13,126,675	6,610,456	6,516,221

2076

0-4	328,756	166,911	161,845	1,003,790	509,618	494,173	1,735,069	880,872	854,198
5-9	329,771	167,612	162,159	932,196	473,806	458,390	1,534,669	780,024	754,645
10-14	340,034	172,839	167,194	897,872	456,389	441,484	1,378,176	700,527	677,650
15-19	358,868	182,400	176,468	848,116	431,071	417,046	1,236,791	628,623	608,169
20-24	376,081	191,042	185,039	805,379	409,117	396,261	1,123,581	570,759	552,821
25-29	377,894	191,864	186,030	754,687	383,170	371,517	1,011,769	513,696	498,073
30-34	389,222	197,550	191,673	724,419	367,680	356,739	917,167	465,511	451,656
35-39	409,114	207,362	201,753	679,530	344,430	335,100	817,854	414,544	403,309
40-44	417,470	210,985	206,485	627,081	316,929	310,152	731,462	369,687	361,775
45-49	416,591	209,523	207,068	581,482	292,464	289,018	640,503	322,158	318,344
50-54	407,923	203,603	204,321	528,304	263,702	264,602	568,287	283,662	284,625
55-59	391,593	193,164	198,429	478,314	235,955	242,359	498,785	246,063	252,722
60-64	354,038	172,052	181,986	408,350	198,460	209,890	416,042	202,203	213,839
65-69	287,703	137,833	149,870	307,193	147,183	160,010	308,347	147,737	160,610
70-74	217,345	101,949	115,396	217,345	101,949	115,396	217,345	101,949	115,396
75-79	133,232	61,424	71,808	133,232	61,424	71,808	133,232	61,424	71,808
80+	111,680	49,195	62,484	111,680	49,195	62,484	111,680	49,195	62,484
Total	5,647,315	2,817,307	2,830,008	10,038,969	5,042,542	4,996,428	13,380,760	6,738,637	6,642,122
2077									
0-4	326,808	165,936	160,872	1,014,275	514,984	499,291	1,769,365	898,358	871,006
5-9	327,930	166,688	161,241	940,787	478,208	462,579	1,565,811	795,913	769,899
10-14	337,151	171,369	165,782	903,239	459,104	444,135	1,406,317	714,811	691,506
15-19	352,622	179,232	173,390	857,412	435,810	421,601	1,261,050	640,975	620,075
20-24	374,439	190,222	184,216	811,601	412,311	399,290	1,142,285	580,307	561,978
25-29	376,251	191,033	185,218	762,510	387,149	375,361	1,030,926	523,432	507,494
30-34	384,769	195,287	189,483	727,642	369,310	358,332	932,434	473,252	459,182
35-39	403,963	204,770	199,194	687,460	348,482	338,978	834,651	423,098	411,553
40-44	414,811	209,668	205,143	634,183	320,560	313,622	744,571	376,361	368,210
45-49	414,324	208,391	205,933	586,471	294,985	291,487	653,694	328,808	324,886
50-54	406,489	202,914	203,575	534,134	266,648	267,486	576,088	287,593	288,494
55-59	390,552	192,690	197,862	482,194	237,918	244,276	506,409	249,877	256,532
60-64	355,229	172,662	182,567	414,530	201,502	213,028	423,843	206,033	217,809
65-69	293,106	140,321	152,785	320,147	153,275	166,872	322,112	154,217	167,894
70-74	218,442	102,577	115,865	218,442	102,577	115,865	218,442	102,577	115,865
75-79	137,533	63,276	74,257	137,533	63,276	74,257	137,533	63,276	74,257
80+	115,115	50,865	64,250	115,115	50,865	64,250	115,115	50,865	64,250
Total	5,629,536	2,807,903	2,821,632	10,147,674	5,096,965	5,050,711	13,640,643	6,869,755	6,770,891
2078									
0-4	324,699	164,878	159,820	1,025,003	520,472	504,530	1,804,459	916,250	888,209
5-9	326,338	165,894	160,444	950,682	483,281	467,402	1,597,515	812,100	785,415
10-14	334,462	170,000	164,462	907,413	461,218	446,195	1,435,088	729,423	705,665
15-19	346,219	175,980	170,239	867,559	440,974	426,585	1,286,830	654,087	632,743
20-24	372,584	189,296	183,288	817,026	415,100	401,925	1,160,499	589,608	570,892
25-29	375,243	190,529	184,714	771,976	391,970	380,005	1,051,277	533,786	517,490
30-34	380,848	193,291	187,557	729,683	370,336	359,347	947,187	480,727	466,460
35-39	398,164	201,847	196,317	695,441	352,558	342,883	852,558	432,212	420,346
40-44	412,089	208,319	203,770	641,905	324,506	317,399	757,102	382,745	374,357
45-49	412,409	207,443	204,966	591,403	297,488	293,915	668,716	336,390	332,325
50-54	405,213	202,294	202,919	540,876	270,038	270,838	584,141	291,640	292,501
55-59	388,566	191,748	196,818	484,903	239,303	245,600	513,356	253,357	260,000
60-64	356,307	173,222	183,085	420,795	204,590	216,205	431,830	209,960	221,870
65-69	301,213	144,005	157,208	336,383	160,830	175,552	339,391	162,272	177,119
70-74	216,059	101,643	114,415	216,059	101,643	114,415	216,059	101,643	114,415
75-79	141,674	65,077	76,597	141,674	65,077	76,597	141,674	65,077	76,597
80+	118,801	52,607	66,194	118,801	52,607	66,194	118,801	52,607	66,194
Total	5,610,888	2,798,075	2,812,814	10,257,580	5,151,990	5,105,589	13,906,482	7,003,883	6,902,599
2079									
0-4	322,447	163,749	158,699	1,035,951	526,074	509,877	1,840,434	934,592	905,842
5-9	324,783	165,119	159,664	960,783	488,462	472,321	1,629,840	828,612	801,228
10-14	331,985	168,741	163,244	912,622	463,866	448,755	1,464,486	744,368	720,118
15-19	343,300	174,495	168,805	876,547	445,538	431,009	1,313,188	667,477	645,710
20-24	366,958	186,451	180,508	823,517	418,429	405,087	1,180,227	599,675	580,552
25-29	374,140	189,981	184,159	780,660	396,405	384,255	1,071,264	543,969	527,295
30-34	377,533	191,602	185,931	733,099	372,057	361,042	962,982	488,727	474,255
35-39	392,677	199,081	193,596	702,291	356,057	346,234	869,755	440,963	428,792

40-44	408,783	206,675	202,108	649,655	328,467	321,188	770,629	389,636	380,993
45-49	410,310	206,410	203,900	596,872	300,273	296,599	683,280	343,753	339,526
50-54	403,690	201,548	202,142	547,146	273,187	273,959	593,253	296,213	297,040
55-59	386,859	190,945	195,914	488,347	241,053	247,294	520,464	256,917	263,548
60-64	357,015	173,604	183,412	426,563	207,438	219,125	439,735	213,850	225,885
65-69	303,127	144,925	158,202	342,067	163,555	178,512	346,210	165,540	180,670
70-74	219,937	103,488	116,449	224,892	105,832	119,061	225,045	105,904	119,141
75-79	145,070	66,574	78,496	145,070	66,574	78,496	145,070	66,574	78,496
80+	122,721	54,414	68,307	122,721	54,414	68,307	122,721	54,414	68,307
Total	5,591,336	2,787,801	2,803,534	10,368,800	5,207,681	5,161,119	14,178,582	7,141,185	7,037,399
2080									
0-4	320,039	162,539	157,500	1,047,104	531,782	515,322	1,877,393	953,439	923,955
5-9	323,224	164,343	158,881	971,122	493,767	477,355	1,662,867	845,486	817,381
10-14	329,730	167,599	162,131	918,919	467,079	451,840	1,494,487	759,636	734,851
15-19	340,350	172,992	167,358	884,375	449,507	434,868	1,340,143	681,163	658,981
20-24	361,165	183,519	177,647	831,028	422,272	408,756	1,201,476	610,510	590,966
25-29	372,919	189,376	183,543	788,568	400,453	388,115	1,090,876	553,973	536,903
30-34	374,818	190,219	184,599	737,959	374,514	363,446	979,868	497,283	482,585
35-39	387,550	196,492	191,058	707,992	358,964	349,028	886,267	449,356	436,911
40-44	404,935	204,757	200,178	657,467	332,463	325,004	785,192	397,054	388,138
45-49	408,056	205,304	202,752	602,875	303,335	299,540	697,345	350,876	346,469
50-54	401,917	200,675	201,241	552,942	276,097	276,845	603,505	301,353	302,151
55-59	385,389	190,260	195,129	492,549	243,180	249,369	527,742	260,562	267,179
60-64	357,343	173,800	183,543	431,797	210,028	221,770	447,531	217,689	229,842
65-69	304,796	145,736	159,060	347,715	166,270	181,445	353,086	168,843	184,243
70-74	223,703	105,255	118,448	233,911	110,074	123,837	234,374	110,293	124,081
75-79	148,016	67,908	80,107	148,016	67,908	80,107	148,016	67,908	80,107
80+	126,839	56,275	70,564	126,839	56,275	70,564	126,839	56,275	70,564
Total	5,570,789	2,777,049	2,793,740	10,481,178	5,263,968	5,217,210	14,457,008	7,281,701	7,175,308
2081									
0-4	317,457	161,242	156,215	1,058,419	537,575	520,844	1,915,395	972,822	942,572
5-9	321,612	163,540	158,072	981,712	499,203	482,509	1,696,649	862,751	833,898
10-14	327,709	166,579	161,130	926,372	470,889	455,483	1,525,084	775,225	749,859
15-19	337,440	171,508	165,932	891,039	452,881	438,158	1,367,709	695,154	672,554
20-24	355,218	180,507	174,711	839,516	426,609	412,907	1,224,259	622,121	602,138
25-29	371,560	188,702	182,858	795,702	404,110	391,592	1,110,086	563,776	546,310
30-34	372,702	189,145	183,557	744,326	377,745	366,581	997,886	506,428	491,459
35-39	382,828	194,102	188,726	712,533	361,273	351,260	902,134	457,409	444,725
40-44	400,561	202,572	197,989	665,360	336,499	328,861	800,816	405,010	395,807
45-49	405,688	204,146	201,542	609,424	306,681	302,742	710,883	357,745	353,138
50-54	399,945	199,704	200,241	558,296	278,787	279,509	615,007	307,119	307,887
55-59	384,105	189,665	194,440	497,526	245,689	251,837	535,194	264,294	270,900
60-64	357,230	173,782	183,447	436,417	212,320	224,097	455,147	221,442	233,705
65-69	306,282	146,466	159,816	353,383	169,004	184,379	360,075	172,209	187,866
70-74	227,606	107,055	120,552	243,388	114,492	128,897	244,330	114,936	129,394
75-79	150,222	68,945	81,277	150,222	68,945	81,277	150,222	68,945	81,277
80+	131,101	58,175	72,925	131,101	58,175	72,925	131,101	58,175	72,925
Total	5,549,264	2,765,835	2,783,430	10,594,737	5,320,877	5,273,858	14,741,975	7,425,563	7,316,414
2082									
0-4	314,685	159,844	154,840	1,069,837	543,408	526,429	1,954,476	992,732	961,744
5-9	319,895	162,682	157,212	992,552	504,763	487,789	1,731,217	880,412	850,804
10-14	325,931	165,687	160,244	935,056	475,336	459,720	1,556,275	791,134	765,141
15-19	334,641	170,079	164,561	896,526	455,654	440,872	1,395,889	709,453	686,436
20-24	349,123	177,416	171,706	848,923	431,406	417,517	1,248,574	634,501	614,073
25-29	370,037	187,944	182,093	802,065	407,376	394,690	1,128,871	573,365	555,506
30-34	371,185	188,379	182,806	752,252	381,776	370,476	1,017,062	516,171	500,891
35-39	378,560	191,938	186,622	715,913	362,986	352,927	917,420	465,159	452,262
40-44	395,643	200,109	195,534	673,341	340,576	332,764	817,527	413,512	404,015
45-49	403,245	202,952	200,293	616,545	310,320	306,225	723,876	364,346	359,530
50-54	397,936	198,718	199,219	563,319	281,319	282,000	627,943	313,609	314,334
55-59	382,965	189,134	193,831	503,298	248,583	254,715	542,836	268,113	274,723
60-64	356,540	173,485	183,054	440,276	214,244	226,031	462,446	225,044	237,401
65-69	307,635	147,139	160,497	359,111	171,774	187,337	367,217	175,656	191,561
70-74	232,188	109,123	123,064	253,894	119,335	134,559	255,487	120,085	135,401
75-79	151,162	69,448	81,714	151,162	69,448	81,714	151,162	69,448	81,714

80+	135,452	60,101	75,351	135,452	60,101	75,351	135,452	60,101	75,351
Total	5,526,820	2,754,180	2,772,641	10,709,522	5,378,404	5,331,117	15,033,727	7,572,840	7,460,888
2083									
0-4	311,711	158,340	153,372	1,081,301	549,250	532,051	1,994,682	1,013,189	981,493
5-9	318,015	161,740	156,275	1,003,638	510,443	493,194	1,766,597	898,481	868,116
10-14	324,399	164,921	159,478	945,036	480,448	464,589	1,588,031	807,341	780,689
15-19	332,031	168,748	163,283	900,829	457,829	443,000	1,424,699	724,077	700,623
20-24	342,867	174,240	168,627	859,174	436,620	422,554	1,274,402	647,633	626,769
25-29	368,302	187,078	181,224	807,642	410,242	397,400	1,147,176	582,710	564,467
30-34	370,292	187,934	182,358	761,799	386,637	375,162	1,037,425	526,527	510,897
35-39	374,812	190,035	184,777	718,131	364,105	354,026	932,209	472,650	459,559
40-44	390,086	197,321	192,765	681,375	344,680	336,695	835,333	422,567	412,766
45-49	400,741	201,727	199,014	624,274	314,265	310,009	736,320	370,675	365,645
50-54	396,262	197,907	198,356	568,295	283,841	284,454	642,645	320,994	321,651
55-59	381,964	188,664	193,299	509,926	251,891	258,035	550,723	272,046	278,677
60-64	354,988	172,771	182,217	443,079	215,660	227,419	469,141	228,358	240,784
65-69	308,897	147,775	161,122	364,929	174,597	190,332	374,538	179,199	195,339
70-74	238,690	112,027	126,663	266,693	125,180	141,513	269,119	126,322	142,797
75-79	149,631	68,870	80,760	149,631	68,870	80,760	149,631	68,870	80,760
80+	139,849	62,043	77,806	139,849	62,043	77,806	139,849	62,043	77,806
Total	5,503,537	2,742,142	2,761,396	10,825,600	5,436,602	5,388,999	15,332,520	7,723,682	7,608,837
2084									
0-4	308,844	156,883	151,960	1,092,795	555,090	537,704	2,036,032	1,034,196	1,001,836
5-9	315,994	160,724	155,270	1,014,946	516,234	498,713	1,802,870	916,997	885,873
10-14	322,902	164,174	158,728	955,221	485,666	469,555	1,620,408	823,871	796,537
15-19	329,629	167,525	162,104	906,158	460,532	445,626	1,454,136	739,029	715,107
20-24	340,055	172,808	167,247	868,275	441,237	427,037	1,300,806	661,040	639,766
25-29	362,833	184,313	178,520	814,271	413,638	400,633	1,166,982	592,811	574,171
30-34	369,303	187,443	181,860	770,576	391,115	379,460	1,057,434	536,716	520,718
35-39	371,657	188,431	183,226	721,704	365,908	355,796	948,030	480,660	467,370
40-44	384,834	194,685	190,149	688,302	348,219	340,083	852,451	431,270	421,181
45-49	397,667	200,215	197,452	632,037	318,231	313,806	749,748	377,504	372,243
50-54	394,414	197,017	197,397	573,800	286,639	287,160	656,918	328,177	328,740
55-59	380,739	188,083	192,655	516,120	254,983	261,137	559,635	276,487	283,148
60-64	353,708	172,193	181,515	446,586	217,425	229,161	476,010	231,761	244,250
65-69	309,845	148,267	161,578	370,327	177,225	193,102	381,811	182,727	199,085
70-74	240,549	112,906	127,643	271,592	127,488	144,103	274,924	129,056	145,868
75-79	152,789	70,333	82,456	156,432	72,021	84,411	156,544	72,073	84,471
80+	143,922	63,846	80,076	143,922	63,846	80,076	143,922	63,846	80,076
Total	5,479,684	2,729,846	2,749,838	10,943,063	5,495,497	5,447,566	15,638,660	7,878,220	7,760,442
2085									
0-4	306,098	155,484	150,614	1,104,324	560,931	543,394	2,078,578	1,055,777	1,022,800
5-9	313,811	159,623	154,188	1,026,445	522,113	504,332	1,840,105	935,991	904,114
10-14	321,399	163,423	157,976	965,641	491,004	474,637	1,653,486	840,757	812,728
15-19	327,447	166,417	161,030	912,568	463,792	448,775	1,484,176	754,301	729,875
20-24	337,209	171,356	165,853	876,225	445,261	430,964	1,327,806	674,736	653,070
25-29	357,195	181,458	175,737	821,907	417,539	404,368	1,188,295	603,670	584,626
30-34	368,196	186,895	181,301	778,588	395,211	383,377	1,077,077	546,725	530,351
35-39	369,091	187,126	181,965	726,699	368,433	358,266	964,930	489,218	475,712
40-44	379,931	192,219	187,712	694,104	351,179	342,925	868,905	439,625	429,280
45-49	394,061	198,436	195,625	639,866	322,233	317,633	764,193	384,850	379,343
50-54	392,417	196,058	196,359	579,825	289,709	290,117	670,722	335,138	335,584
55-59	379,283	187,388	191,895	521,880	257,860	264,020	569,645	281,472	288,173
60-64	352,657	171,729	180,928	450,810	219,543	231,267	483,057	235,255	247,803
65-69	310,469	148,606	161,863	375,274	179,640	195,634	389,010	186,223	202,787
70-74	242,231	113,711	128,519	276,489	129,805	146,683	280,805	131,836	148,970
75-79	155,845	71,735	84,110	163,258	75,162	88,096	163,597	75,319	88,278
80+	147,854	65,595	82,259	147,854	65,595	82,259	147,854	65,595	82,259
Total	5,455,192	2,717,258	2,737,934	11,061,756	5,555,010	5,506,748	15,952,240	8,036,488	7,915,753
2086									
0-4	303,501	154,160	149,341	1,115,910	566,798	549,112	2,122,389	1,077,998	1,044,391
/ 5-9	311,443	158,423	153,020	1,038,079	528,044	510,035	1,878,334	955,460	922,874
10-14	319,841	162,644	157,197	976,311	496,470	479,841	1,687,317	858,030	829,287
15-19	325,494	165,429	160,065	920,124	467,645	452,479	1,514,814	769,893	744,922
20-24	334,400	169,920	164,479	883,020	448,694	434,326	1,355,415	688,734	666,681

25-29	351,400	178,521	172,879	830,508	421,924	408,584	1,211,129	615,293	595,836
30-34	366,948	186,275	180,673	785,834	398,918	386,916	1,096,327	556,538	539,790
35-39	367,112	186,123	180,989	733,178	371,719	361,459	982,951	498,355	484,596
40-44	375,420	189,945	185,474	698,771	353,554	345,217	884,735	447,652	437,083
45-49	389,941	196,395	193,545	647,779	326,276	321,503	779,682	392,722	386,959
50-54	390,309	195,049	195,259	586,383	293,054	293,329	684,033	341,865	342,168
55-59	377,644	186,604	191,040	527,234	260,539	266,694	580,854	287,054	293,800
60-64	351,781	171,351	180,430	455,759	222,018	233,741	490,285	238,841	251,444
65-69	310,714	148,767	161,947	379,701	181,812	197,889	396,073	189,661	206,412
70-74	243,780	114,464	129,316	281,425	132,153	149,272	286,803	134,682	152,121
75-79	158,951	73,143	85,808	170,286	78,372	91,914	170,968	78,687	92,281
80+	151,441	67,204	84,236	151,441	67,204	84,236	151,441	67,204	84,236
Total	5,430,119	2,704,418	2,725,701	11,181,741	5,615,193	5,566,548	16,273,549	8,198,668	8,074,881
2087									
0-4	301,079	152,925	148,154	1,127,574	572,707	554,867	2,167,536	1,100,900	1,066,636
5-9	308,876	157,115	151,762	1,049,799	533,996	515,804	1,917,613	975,421	942,192
10-14	318,178	161,810	156,368	987,230	502,059	485,171	1,721,936	875,698	846,238
15-19	323,782	164,566	159,216	928,905	472,130	456,775	1,546,051	785,805	760,246
20-24	331,698	168,538	163,160	888,650	451,530	437,120	1,383,642	703,039	680,604
25-29	345,456	175,505	169,951	840,021	426,766	413,256	1,235,487	627,679	607,808
30-34	365,539	185,573	179,966	792,323	402,240	390,083	1,115,167	566,141	549,026
35-39	365,721	185,422	180,299	741,194	375,792	365,402	1,002,122	508,086	494,035
40-44	371,352	187,892	183,460	702,302	355,347	346,955	900,005	455,387	444,618
45-49	385,288	194,085	191,204	655,783	330,364	325,419	796,239	401,131	395,108
50-54	388,127	194,006	194,121	593,497	296,682	296,814	696,835	348,346	348,489
55-59	375,969	185,807	190,161	532,287	263,079	269,208	593,431	293,321	300,110
60-64	351,032	171,030	180,002	461,441	224,845	236,596	497,701	242,515	255,185
65-69	310,458	148,692	161,766	383,480	183,679	199,801	402,878	192,982	209,896
70-74	245,230	115,177	130,053	286,426	134,539	151,887	292,942	137,604	155,338
75-79	162,442	74,698	87,744	177,872	81,803	96,069	179,018	82,332	96,686
80+	154,327	68,522	85,805	154,327	68,522	85,805	154,327	68,522	85,805
Total	5,404,554	2,691,363	2,713,192	11,303,110	5,676,081	5,627,031	16,602,929	8,364,910	8,238,019
2088									
0-4	298,856	151,791	147,065	1,139,305	578,648	560,657	2,214,009	1,124,470	1,089,538
5-9	306,108	155,699	150,409	1,061,574	539,958	521,616	1,958,031	995,930	962,101
10-14	316,353	160,892	155,461	998,395	507,769	490,627	1,757,373	893,774	863,598
15-19	322,314	163,829	158,484	938,975	477,275	461,699	1,577,859	802,018	775,840
20-24	329,182	167,252	161,931	893,109	453,773	439,336	1,412,507	717,671	694,836
25-29	339,351	172,402	166,949	850,372	432,020	418,352	1,261,352	640,814	620,539
30-34	363,919	184,763	179,156	798,037	405,168	392,869	1,133,542	575,509	558,034
35-39	364,943	185,035	179,908	750,810	380,683	370,128	1,022,470	518,425	504,045
40-44	367,789	186,090	181,699	704,697	356,561	348,136	914,798	462,874	451,923
45-49	380,012	191,458	188,554	663,844	334,479	329,365	813,871	410,080	403,790
50-54	385,884	192,931	192,953	601,198	300,605	300,593	709,122	354,575	354,547
55-59	374,601	185,169	189,432	537,298	265,611	271,687	607,677	300,426	307,251
60-64	350,386	170,751	179,635	467,889	228,037	239,852	505,335	246,289	259,046
65-69	309,441	148,253	161,188	386,346	185,113	201,233	409,163	196,057	213,106
70-74	246,602	115,859	130,743	291,505	136,970	154,535	299,234	140,606	158,628
75-79	167,089	76,741	90,348	186,808	85,806	101,002	188,542	86,605	101,937
80+	155,742	69,209	86,533	155,742	69,209	86,533	155,742	69,209	86,533
Total	5,378,572	2,678,123	2,700,448	11,425,904	5,737,685	5,688,219	16,940,624	8,535,332	8,405,293
2089									
0-4	296,787	150,735	146,052	1,151,161	584,653	566,508	2,261,816	1,148,718	1,113,097
5-9	303,439	154,329	149,110	1,073,393	545,925	527,468	1,999,618	1,016,999	982,619
10-14	314,386	159,900	154,486	1,009,786	513,589	496,198	1,793,707	912,301	881,406
15-19	320,879	163,110	157,769	949,251	482,528	466,723	1,610,294	818,555	791,739
20-24	326,873	166,073	160,800	898,588	456,542	442,046	1,442,004	732,634	709,370
25-29	336,650	171,024	165,626	859,589	436,686	422,902	1,287,800	654,226	633,574
30-34	358,604	182,074	176,530	804,795	408,622	396,173	1,153,411	585,628	567,782
35-39	364,069	184,603	179,466	759,671	385,198	374,473	1,042,480	528,602	513,878
40-44	364,809	184,582	180,227	708,426	358,447	349,979	930,614	470,875	459,739
45-49	375,030	188,976	186,054	670,828	338,047	332,780	830,841	418,692	412,149
50-54	383,088	191,580	191,508	608,939	304,551	304,388	722,372	361,291	361,081
55-59	373,069	184,457	188,612	542,822	268,409	274,412	621,526	307,347	314,179
60-64	349,543	170,376	179,167	473,951	231,039	242,912	513,943	250,540	263,403

65-69	308,683	147,941	160,742	389,863	186,865	202,999	415,628	199,224	216,404
70-74	247,726	116,428	131,297	296,250	139,248	157,002	305,504	143,604	161,900
75-79	168,703	77,496	91,207	190,598	87,563	103,035	192,974	88,658	104,317
80+	160,067	71,128	88,939	162,386	72,176	90,210	162,457	72,208	90,249
Total	5,352,404	2,664,812	2,687,592	11,550,297	5,800,089	5,750,208	17,286,990	8,710,105	8,576,886
/2090									
0-4	294,880	149,766	145,113	1,163,183	590,758	572,424	2,310,925	1,173,661	1,137,264
5-9	300,884	153,014	147,870	1,085,250	551,900	533,351	2,042,406	1,038,655	1,003,751
10-14	312,257	158,823	153,433	1,021,365	519,499	501,866	1,831,000	931,307	899,693
15-19	319,437	162,388	157,049	959,759	487,902	471,857	1,643,427	835,453	807,974
20-24	324,777	165,007	159,770	905,136	459,865	445,271	1,472,104	747,922	724,182
25-29	333,912	169,625	164,287	867,666	440,768	426,898	1,314,845	667,932	646,913
30-34	353,120	179,297	173,823	812,550	412,578	399,973	1,174,775	596,502	578,273
35-39	363,078	184,114	178,964	767,780	389,339	378,441	1,062,137	538,611	523,527
40-44	362,405	183,366	179,039	713,556	361,044	352,512	947,500	479,421	468,080
45-49	370,387	186,660	183,726	676,719	341,055	335,664	847,176	426,974	420,203
50-54	379,778	189,971	189,807	616,753	308,537	308,217	736,621	368,512	368,109
55-59	371,399	183,681	187,718	548,853	271,468	277,385	634,950	314,068	320,882
60-64	348,499	169,902	178,597	479,633	233,854	245,779	523,595	255,302	268,294
65-69	308,143	147,735	160,409	394,045	188,936	205,108	422,285	202,484	219,801
70-74	248,602	116,880	131,722	300,653	141,365	159,288	311,744	146,587	165,157
75-79	170,215	78,206	92,009	194,419	99,337	105,082	197,494	90,753	106,741
80+	164,235	72,973	91,262	168,859	75,060	93,799	169,071	75,156	93,915
Total	5,326,007	2,651,408	2,674,599	11,676,179	5,863,266	5,812,912	17,642,058	8,889,297	8,752,758
2091									
0-4	293,138	148,886	144,252	1,175,422	596,992	578,430	2,361,316	1,199,289	1,162,026
5-9	298,470	151,771	146,699	1,097,165	557,904	539,261	2,086,464	1,060,957	1,025,507
10-14	309,941	157,648	152,293	1,033,076	525,462	507,613	1,869,284	950,791	918,494
15-19	317,938	161,637	156,300	970,513	493,404	477,108	1,677,310	852,739	824,571
20-24	322,907	164,059	158,847	912,819	463,778	449,041	1,502,799	763,531	739,267
25-29	331,207	168,242	162,965	874,597	444,266	430,332	1,342,497	681,943	660,554
30-34	347,478	176,438	171,039	821,258	417,014	404,245	1,197,648	608,136	589,511
35-39	361,947	183,556	178,391	775,135	393,101	382,035	1,081,414	548,430	532,985
40-44	360,574	182,445	178,129	720,145	364,389	355,757	965,497	488,540	476,957
45-49	366,123	184,529	181,594	681,508	343,498	338,010	862,915	434,943	427,972
50-54	375,970	188,111	187,859	624,658	312,567	312,091	751,890	376,244	375,646
55-59	369,624	182,858	186,766	555,397	274,788	280,608	647,924	320,579	327,346
60-64	347,291	169,347	177,943	484,959	236,498	248,462	534,376	260,615	273,761
65-69	307,764	147,603	160,161	398,881	191,322	207,559	429,128	205,834	223,294
70-74	249,183	117,191	131,991	304,660	143,296	161,365	317,902	149,533	168,369
75-79	171,650	78,884	92,766	198,294	91,139	107,154	202,125	92,904	109,222
80+	168,218	74,732	93,486	175,157	77,860	97,297	175,581	78,051	97,529
Total	5,299,422	2,637,937	2,661,485	11,803,643	5,927,276	5,876,366	18,006,068	9,073,059	8,933,009
2092									
0-4	291,564	148,093	143,471	1,187,947	603,380	584,567	2,412,993	1,225,590	1,187,403
5-9	296,223	150,616	145,607	1,109,148	563,951	545,197	2,131,839	1,083,941	1,047,898
10-14	307,425	156,364	151,061	1,044,871	531,447	513,423	1,908,613	970,768	937,845
15-19	316,331	160,832	155,499	981,512	499,030	482,481	1,711,976	870,423	841,553
20-24	321,271	163,236	158,035	921,711	468,317	453,394	1,534,089	779,465	754,624
25-29	328,605	166,911	161,694	880,371	447,174	433,198	1,370,764	696,263	674,501
30-34	341,683	173,500	168,183	830,867	421,902	408,966	1,222,031	620,530	601,501
35-39	360,653	182,914	177,739	781,744	396,484	385,260	1,100,291	558,047	542,243
40-44	359,320	181,819	177,500	728,245	368,505	359,739	984,629	498,245	486,384
45-49	362,288	182,609	179,679	685,193	345,376	339,817	878,120	442,634	435,485
50-54	371,646	185,989	185,657	632,656	316,641	316,015	768,202	384,495	383,706
55-59	367,776	181,999	185,777	562,473	278,376	284,097	660,436	326,867	333,569
60-64	346,048	168,778	177,270	490,022	239,018	251,004	546,430	266,556	279,875
65-69	307,488	147,513	159,975	404,364	194,009	210,355	436,152	209,262	226,890
70-74	249,364	117,313	132,051	308,167	144,990	163,177	323,875	152,391	171,484
75-79	173,026	79,534	93,491	202,235	92,972	109,263	206,881	95,112	111,769
80+	172,002	76,398	95,604	181,291	80,581	100,710	181,995	80,898	101,097
Total	5,272,712	2,624,417	2,648,295	11,932,816	5,992,154	5,940,663	18,379,312	9,261,488	9,117,826
2093									
0-4	290,159	147,389	142,770	1,200,851	609,974	590,876	2,465,996	1,252,594	1,213,403

5-9	294,165	149,560	144,605	1,121,190	570,036	551,154	2,178,526	1,107,606	1,070,920
10-14	304,707	154,974	149,733	1,056,718	537,445	519,273	1,949,077	991,297	957,780
15-19	314,561	159,942	154,619	992,754	504,778	487,976	1,747,456	888,518	858,938
20-24	319,875	162,537	157,338	931,880	473,515	458,366	1,565,947	795,704	770,243
25-29	326,185	165,675	160,510	884,982	449,497	435,485	1,399,665	710,914	688,751
30-34	335,727	170,476	165,251	841,304	427,201	414,104	1,247,910	633,670	614,240
35-39	359,149	182,166	176,982	787,590	399,482	388,108	1,118,717	567,440	551,276
40-44	358,664	181,500	177,164	737,917	373,426	364,491	1,004,928	508,553	496,375
45-49	358,941	180,931	178,010	687,776	346,697	341,080	892,875	450,096	442,779
50-54	366,719	183,563	183,156	640,719	320,747	319,971	785,563	393,272	392,291
55-59	365,869	181,110	184,759	570,113	282,242	287,871	672,486	332,932	339,554
60-64	345,081	168,348	176,733	495,059	241,536	253,523	560,029	273,260	286,769
65-69	307,277	147,445	159,832	410,502	197,000	213,502	443,372	212,777	230,595
70-74	248,931	117,144	131,787	310,958	146,347	164,611	329,450	155,061	174,389
75-79	174,354	80,164	94,190	206,253	94,842	111,411	211,769	97,382	114,386
80+	175,580	77,970	97,610	187,272	83,230	104,042	188,325	83,704	104,621
Total	5,245,943	2,610,893	2,635,049	12,063,838	6,057,997	6,005,841	18,762,090	9,454,780	9,307,310

2094

0-4	288,833	146,725	142,108	1,214,153	616,770	597,383	2,520,361	1,280,288	1,240,073
5-9	292,246	148,580	143,667	1,133,330	576,191	557,139	2,226,499	1,131,964	1,094,535
10-14	302,084	153,628	148,456	1,068,607	543,449	525,158	1,990,705	1,012,388	978,317
15-19	312,649	158,979	153,670	1,004,218	510,637	493,581	1,783,830	907,066	876,764
20-24	318,510	161,856	156,655	942,251	478,820	463,431	1,598,430	812,271	786,160
25-29	323,965	164,544	159,421	890,601	452,342	438,258	1,429,197	725,900	703,297
30-34	333,132	169,154	163,978	850,618	431,920	418,698	1,274,371	647,091	627,280
35-39	353,991	179,563	174,428	794,467	403,001	391,466	1,138,622	577,581	561,041
40-44	357,913	181,137	176,776	746,848	377,981	368,867	1,024,901	518,709	506,192
45-49	356,162	179,539	176,623	691,669	348,676	342,994	908,641	458,064	450,577
50-54	362,075	181,277	180,798	647,744	324,329	323,415	802,298	401,730	400,567
55-59	363,434	179,958	183,476	577,803	286,137	291,667	685,473	339,467	346,006
60-64	343,967	167,853	176,114	500,588	244,306	256,282	573,278	279,804	293,474
65-69	306,911	147,301	159,610	416,322	199,836	216,487	451,500	216,727	234,773
70-74	248,744	117,091	131,653	314,337	147,983	166,354	335,218	157,822	177,395
75-79	175,519	80,717	94,801	210,047	96,608	113,439	216,668	99,658	117,010
80+	179,044	79,490	99,553	193,204	85,854	107,350	194,677	86,517	108,160
Total	5,219,179	2,597,390	2,621,788	12,196,807	6,124,839	6,071,970	19,154,668	9,653,047	9,501,620

2095

0-4	287,569	146,091	141,479	1,227,870	623,771	604,099	2,576,120	1,308,683	1,267,437
5-9	290,483	147,684	142,800	1,145,634	582,448	563,186	2,275,780	1,157,023	1,118,758
10-14	299,575	152,337	147,239	1,080,535	549,460	531,075	2,033,535	1,034,067	999,469
15-19	310,573	157,931	152,642	1,015,872	516,588	499,284	1,821,166	926,095	895,071
20-24	317,136	161,170	155,966	952,856	484,248	468,608	1,631,616	829,200	802,416
25-29	321,956	163,524	158,431	897,280	455,738	441,542	1,459,336	741,214	718,123
30-34	330,498	167,811	162,687	858,807	436,062	422,745	1,301,432	660,808	640,624
35-39	348,665	176,872	171,793	802,331	407,017	395,315	1,160,014	588,469	571,544
40-44	357,045	180,717	176,328	755,043	382,169	372,874	1,044,536	528,703	515,833
45-49	353,945	178,430	175,514	696,934	351,348	345,586	925,463	466,567	458,896
50-54	357,756	179,147	178,609	653,716	327,374	326,343	818,430	409,877	408,553
55-59	360,507	178,561	181,946	585,573	290,072	295,501	699,425	346,484	352,941
60-64	342,725	167,299	175,426	506,599	247,318	259,281	586,151	286,172	299,979
65-69	306,376	147,074	159,302	421,825	202,516	219,309	460,583	221,136	239,447
70-74	248,751	117,128	131,622	318,287	149,888	168,399	341,172	160,671	180,501
75-79	176,509	81,189	95,321	213,607	98,264	115,343	221,564	101,930	119,633
80+	182,387	80,954	101,432	199,098	88,458	110,640	201,059	89,340	111,719

Total/////////
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2096

0-4	286,348	145,479	140,870	1,242,021	630,996	611,024	2,633,324	1,337,820	1,295,504
5-9	288,882	146,874	142,009	1,158,161	588,834	569,327	2,326,363	1,182,775	1,143,588
10-14	297,206	151,117	146,089	1,092,523	555,503	537,020	2,077,641	1,056,393	1,021,247
15-19	308,311	156,784	151,527	1,027,660	522,592	505,068	1,859,498	945,605	913,894
20-24	315,705	160,457	155,249	963,707	489,805	473,903	1,665,558	846,523	819,036
25-29	320,169	162,622	157,547	905,087	459,718	445,369	1,490,078	756,853	733,225
30-34	327,897	166,484	161,413	865,865	439,629	426,236	1,329,106	674,833	654,273

35-39	343,182	174,100	169,082	811,141	411,508	399,633	1,182,906	600,115	582,791
40-44	356,039	180,228	175,811	762,502	385,987	376,514	1,063,809	538,518	525,290
45-49	352,286	177,608	174,678	703,628	354,751	348,877	943,380	475,636	467,745
50-54	353,800	177,193	176,607	658,628	329,878	328,750	834,000	417,731	416,269
55-59	357,103	176,926	180,177	593,436	294,054	299,382	714,363	353,991	360,372
60-64	341,382	166,699	174,683	513,093	250,575	262,518	598,630	292,360	306,270
65-69	305,699	146,779	158,920	427,031	205,056	221,976	470,687	226,038	244,650
70-74	248,890	117,227	131,662	322,784	152,050	170,734	347,302	163,603	183,699
75-79	177,291	81,563	95,728	216,897	99,795	117,102	226,418	104,183	122,235
80+	185,605	82,363	103,242	204,959	91,046	113,913	207,481	92,180	115,301
Total	5,165,795	2,570,502	2,595,293	12,469,123	6,261,777	6,207,347	19,970,544	10,065,157	9,905,388
2097									
0-4	285,144	144,875	140,269	1,256,617	638,446	618,171	2,692,024	1,367,715	1,324,310
5-9	287,446	146,150	141,295	1,170,979	595,379	575,600	2,378,254	1,209,215	1,169,039
10-14	295,003	149,985	145,018	1,104,583	561,590	542,993	2,123,068	1,079,405	1,043,663
15-19	305,851	155,530	150,321	1,039,535	528,620	510,915	1,898,880	965,611	933,269
20-24	314,167	159,688	154,479	974,807	495,487	479,320	1,700,290	864,246	836,044
25-29	318,615	161,842	156,772	914,097	464,323	449,774	1,521,423	772,821	748,602
30-34	325,396	165,207	160,189	871,780	442,613	429,167	1,357,403	689,171	668,231
35-39	337,549	171,249	166,299	820,844	416,448	404,396	1,207,302	612,516	594,786
40-44	354,871	179,658	175,214	769,230	389,437	379,793	1,082,699	548,143	534,557
45-49	351,188	177,071	174,116	711,801	358,907	352,894	962,420	485,282	477,138
50-54	350,254	175,439	174,815	662,480	331,845	330,636	849,071	425,329	423,742
55-59	353,204	175,042	178,162	601,397	298,083	303,314	730,307	361,995	368,312
60-64	339,967	166,064	173,903	520,085	254,077	266,007	610,706	298,357	312,348
65-69	304,986	146,469	158,518	432,021	207,496	224,525	481,929	231,490	250,439
70-74	249,096	117,351	131,745	327,802	154,450	173,352	353,591	166,603	186,988
75-79	177,785	81,803	95,981	219,843	101,166	118,676	231,156	106,381	124,775
80+	188,698	83,713	104,985	210,799	93,622	117,177	213,951	95,038	118,913
Total	5,139,217	2,557,136	2,582,081	12,608,700	6,331,987	6,276,712	20,394,474	10,279,317	10,115,155
2098									
0-4	283,927	144,264	139,662	1,271,668	646,129	625,538	2,752,278	1,398,407	1,353,871
5-9	286,175	145,514	140,661	1,184,178	602,130	582,048	2,431,490	1,236,365	1,195,125
10-14	292,986	148,950	144,036	1,116,703	567,716	548,988	2,169,813	1,103,101	1,066,712
15-19	303,188	154,169	149,019	1,051,465	534,662	516,803	1,939,402	986,171	953,231
20-24	312,466	158,835	153,630	986,152	501,292	484,860	1,735,844	882,386	853,459
25-29	317,297	161,186	156,112	924,377	469,581	454,795	1,553,345	789,098	764,247
30-34	323,073	164,023	159,050	876,547	445,021	431,526	1,386,341	703,845	682,496
35-39	331,754	168,314	163,440	831,370	421,795	409,574	1,233,187	625,660	607,527
40-44	353,497	178,982	174,514	775,215	392,512	382,703	1,101,160	557,553	543,607
45-49	350,672	176,832	173,840	721,512	363,846	357,666	982,613	495,522	487,090
50-54	347,173	173,914	173,259	665,275	333,280	331,995	863,727	432,717	431,010
55-59	348,729	172,871	175,858	609,428	302,146	307,282	747,262	370,501	376,761
60-64	338,494	165,400	173,094	527,602	257,837	269,765	622,385	304,167	318,218
65-69	304,503	146,273	158,230	436,996	209,939	227,057	494,532	237,606	256,926
70-74	249,311	117,471	131,840	333,315	157,075	176,240	360,028	169,665	190,363
75-79	177,833	81,837	95,995	222,288	102,307	119,980	235,620	108,453	127,167
80+	191,665	85,007	106,658	216,623	96,189	120,434	220,478	97,920	122,558
Total	5,112,742	2,543,844	2,568,899	12,750,713	6,403,459	6,347,255	20,829,504	10,499,136	10,330,367
2099									
0-4	282,674	143,637	139,037	1,287,162	654,044	633,118	2,814,140	1,429,932	1,384,209
5-9	284,982	144,917	140,066	1,197,785	609,088	588,697	2,486,122	1,264,224	1,221,898
10-14	291,110	147,992	143,118	1,128,925	573,914	555,011	2,217,850	1,127,493	1,090,357
15-19	300,620	152,852	147,768	1,063,440	540,712	522,728	1,981,095	1,007,298	973,797
20-24	310,623	157,910	152,713	997,723	507,211	490,512	1,772,301	900,983	871,318
25-29	316,010	160,546	155,464	934,862	474,950	459,911	1,585,902	805,709	780,192
30-34	320,948	162,944	158,005	882,317	447,948	434,368	1,415,918	718,858	697,060
35-39	329,275	167,056	162,219	840,790	426,574	414,216	1,259,662	639,090	620,571
40-44	348,518	176,479	172,039	782,221	396,104	386,117	1,121,092	567,708	553,384
45-49	350,063	176,550	173,513	730,504	368,432	362,072	1,002,499	505,622	496,877
50-54	344,644	172,665	171,979	669,349	335,356	333,993	879,378	440,603	438,775
55-59	344,525	170,832	173,693	616,475	305,717	310,758	763,635	378,715	384,920
60-64	336,528	164,495	172,032	535,183	261,633	273,550	634,964	310,424	324,540
65-69	303,896	146,025	157,871	442,436	212,617	229,819	506,844	243,592	263,252
70-74	249,424	117,543	131,881	338,592	159,586	179,006	367,271	173,110	194,161

60-64	314,043	153,845	160,199	584,820	286,522	298,298	740,730	362,933	377,797
65-69	295,204	142,210	152,993	491,023	236,586	254,437	591,277	284,909	306,368
70-74	248,735	117,434	131,301	374,301	176,745	197,557	436,893	206,312	230,581
75-79	181,326	83,550	97,776	253,648	116,892	136,756	279,915	129,013	150,902
80+	210,041	92,986	117,056	259,610	115,107	144,503	273,957	121,530	152,427
Total	4,907,249	2,441,184	2,466,066	13,983,867	7,024,368	6,959,499	24,749,266	12,479,726	12,269,540
2107									
0-4	271,252	137,827	133,425	1,423,377	723,227	700,150	3,371,704	1,713,170	1,658,534
5-9	275,757	140,255	135,502	1,321,960	672,370	649,590	2,977,892	1,514,603	1,463,289
10-14	280,826	142,810	138,016	1,237,412	629,271	608,142	2,650,645	1,347,955	1,302,690
15-19	285,327	145,031	140,296	1,162,361	590,825	571,535	2,360,768	1,199,976	1,160,792
20-24	292,182	148,486	143,695	1,094,042	555,990	538,052	2,102,833	1,068,655	1,034,178
25-29	302,118	153,562	148,556	1,026,868	521,941	504,927	1,875,760	953,420	922,340
30-34	309,526	157,231	152,295	960,425	487,875	472,550	1,675,222	850,979	824,243
35-39	312,824	158,717	154,107	897,508	455,371	442,137	1,493,838	757,937	735,901
40-44	317,640	160,892	156,747	851,035	431,075	419,960	1,325,165	671,245	653,920
45-49	326,233	164,716	161,517	793,451	400,639	392,812	1,167,063	589,297	577,766
50-54	337,443	169,297	168,147	731,522	367,022	364,500	1,029,703	516,642	513,061
55-59	325,439	161,624	163,815	659,742	327,674	332,068	892,116	443,102	449,013
60-64	311,374	152,576	158,798	589,108	288,690	300,418	755,239	370,131	385,108
65-69	292,597	141,008	151,589	498,688	240,373	258,315	605,804	292,025	313,778
70-74	248,450	117,348	131,102	380,572	179,782	200,790	447,023	211,183	235,841
75-79	181,642	83,716	97,926	257,641	118,760	138,881	287,822	132,692	155,129
80+	212,011	93,848	118,163	265,396	117,669	147,727	281,057	124,676	156,381
Total	4,882,641	2,428,944	2,453,696	14,151,108	7,108,555	7,042,555	25,299,654	12,757,686	12,541,965
2108									
0-4	269,851	137,109	132,742	1,441,730	732,522	709,208	3,450,246	1,753,004	1,697,242
5-9	274,419	139,565	134,854	1,339,149	681,066	658,083	3,046,812	1,549,549	1,497,263
10-14	279,763	142,274	137,489	1,252,849	637,141	615,708	2,711,315	1,378,852	1,332,463
15-19	284,130	144,430	139,700	1,175,729	597,651	578,078	2,414,162	1,227,179	1,186,982
20-24	290,268	147,502	142,765	1,106,361	562,207	544,154	2,149,743	1,092,410	1,057,333
25-29	299,593	152,270	147,323	1,039,020	528,088	510,932	1,916,465	974,054	942,411
30-34	307,974	156,454	151,520	971,994	493,785	478,209	1,710,941	869,183	841,758
35-39	311,672	158,145	153,527	908,013	460,737	447,275	1,525,872	774,252	751,621
40-44	315,540	159,828	155,712	856,141	433,659	422,481	1,354,131	685,915	668,216
45-49	320,854	162,016	158,838	804,137	406,066	398,070	1,192,845	602,363	590,483
50-54	336,405	168,812	167,593	737,806	370,254	367,552	1,048,102	525,987	522,115
55-59	325,308	161,598	163,711	669,459	332,580	336,879	911,809	452,994	458,815
60-64	309,101	151,497	157,604	592,485	290,413	302,072	769,439	377,179	392,261
65-69	289,508	139,573	149,935	506,439	244,204	262,235	621,209	299,567	321,642
70-74	248,114	117,239	130,876	387,238	183,009	204,229	456,955	215,967	240,988
75-79	182,069	83,937	98,131	261,650	120,644	141,006	296,540	136,754	159,787
80+	213,764	94,615	119,149	271,218	120,248	150,970	288,167	127,827	160,340
Total	4,858,333	2,416,863	2,441,470	14,321,418	7,194,276	7,127,143	25,864,756	13,043,037	12,821,718

Table 5: Spectrum Projections for the Dependency Ratio; Liberia, 2008 – 2108

Year	Low	Medium	High
2008	0.82	0.82	0.82
2009	0.81	0.82	0.82
2010	0.80	0.81	0.81
2011	0.78	0.80	0.80
2012	0.77	0.80	0.80
2013	0.76	0.79	0.79
2014	0.74	0.78	0.78
2015	0.72	0.77	0.77
2016	0.71	0.76	0.77
2017	0.69	0.75	0.76
2018	0.68	0.74	0.75
2019	0.66	0.74	0.75
2020	0.65	0.73	0.74
2021	0.64	0.73	0.74
2022	0.63	0.72	0.74
2023	0.62	0.72	0.74
2024	0.60	0.71	0.73
2025	0.59	0.70	0.72
2026	0.57	0.69	0.72
2027	0.56	0.68	0.71
2028	0.55	0.67	0.70
2029	0.54	0.66	0.70
2030	0.53	0.65	0.69
2031	0.52	0.64	0.68
2032	0.51	0.63	0.68
2033	0.50	0.63	0.68
2034	0.49	0.62	0.67
2035	0.49	0.61	0.67
2036	0.48	0.61	0.67
2037	0.47	0.60	0.66
2038	0.47	0.60	0.66
2039	0.46	0.60	0.66
2040	0.46	0.59	0.66
2041	0.45	0.59	0.66
2042	0.45	0.59	0.66
2043	0.44	0.59	0.66
2044	0.44	0.59	0.67
2045	0.43	0.58	0.67
2046	0.43	0.58	0.67
2047	0.43	0.58	0.67
2048	0.42	0.58	0.67
2049	0.42	0.58	0.67
2050	0.42	0.58	0.67
2051	0.42	0.57	0.67
2052	0.41	0.57	0.67
2053	0.41	0.57	0.67
2054	0.41	0.57	0.67
2055	0.41	0.57	0.67
2056	0.41	0.56	0.67
2057	0.41	0.56	0.67
2058	0.41	0.56	0.67
2059	0.41	0.56	0.67
2060	0.41	0.56	0.67

2061	0.41	0.56	0.67
2062	0.41	0.56	0.67
2063	0.42	0.56	0.67
2064	0.42	0.56	0.67
2065	0.42	0.56	0.67
2066	0.42	0.56	0.67
2067	0.43	0.56	0.67
2068	0.43	0.56	0.67
2069	0.43	0.56	0.67
2070	0.43	0.56	0.68
2071	0.43	0.56	0.68
2072	0.44	0.56	0.68
2073	0.44	0.56	0.68
2074	0.44	0.56	0.68
2075	0.45	0.56	0.68
2076	0.45	0.56	0.68
2077	0.46	0.57	0.69
2078	0.46	0.57	0.69
2079	0.47	0.57	0.69
2080	0.47	0.57	0.69
2081	0.48	0.57	0.69
2082	0.48	0.58	0.70
2083	0.49	0.58	0.70
2084	0.49	0.58	0.70
2085	0.50	0.58	0.70
2086	0.50	0.59	0.70
2087	0.50	0.59	0.70
2088	0.51	0.59	0.71
2089	0.51	0.59	0.71
2090	0.52	0.59	0.71
2091	0.52	0.59	0.71
2092	0.52	0.60	0.71
2093	0.52	0.60	0.71
2094	0.53	0.60	0.71
2095	0.53	0.60	0.71
2096	0.53	0.60	0.71
2097	0.54	0.60	0.71
2098	0.54	0.60	0.72
2099	0.54	0.61	0.72
2100	0.55	0.61	0.72
2101	0.55	0.61	0.72
2102	0.56	0.61	0.72
2103	0.56	0.61	0.72
2104	0.56	0.61	0.72
2105	0.56	0.61	0.72
2106	0.57	0.62	0.73
2107	0.57	0.62	0.73
2108	0.57	0.62	0.73

Table 6: Projected Working Population by Fertility Scenario, Liberia, 2008 – 2108

Year	Low	Medium	High
2008	1,916,979	1,916,979	1,916,979
2009	1,971,164	1,971,164	1,971,164
2010	2,026,493	2,026,493	2,026,493
2011	2,083,259	2,083,259	2,083,259
2012	2,141,834	2,141,834	2,141,834
2013	2,202,421	2,202,421	2,202,421
2014	2,264,983	2,264,983	2,264,983
2015	2,329,258	2,329,258	2,329,258
2016	2,395,098	2,395,098	2,395,098
2017	2,462,208	2,462,208	2,462,208
2018	2,530,106	2,530,106	2,530,106
2019	2,593,413	2,593,413	2,593,413
2020	2,655,945	2,655,945	2,655,945
2021	2,717,508	2,717,508	2,717,508
2022	2,777,916	2,777,916	2,777,916
2023	2,837,091	2,837,091	2,837,091
2024	2,903,227	2,912,981	2,913,281
2025	2,968,263	2,988,848	2,989,775
2026	3,032,102	3,064,655	3,066,562
2027	3,094,759	3,140,476	3,143,745
2028	3,156,197	3,216,329	3,221,369
2029	3,216,673	3,292,510	3,299,754
2030	3,276,039	3,368,924	3,378,833
2031	3,334,202	3,445,524	3,458,582
2032	3,391,076	3,522,261	3,538,978
2033	3,446,558	3,599,069	3,619,972
2034	3,500,268	3,675,143	3,701,222
2035	3,552,053	3,750,336	3,782,621
2036	3,601,770	3,824,514	3,864,076
2037	3,649,270	3,897,550	3,945,500
2038	3,694,348	3,969,269	4,026,762
2039	3,738,111	4,041,255	4,108,509
2040	3,780,342	4,113,377	4,190,628
2041	3,820,655	4,185,346	4,272,848
2042	3,858,600	4,256,820	4,354,853
2043	3,893,802	4,327,532	4,436,403
2044	3,927,067	4,397,531	4,519,259
2045	3,958,351	4,466,851	4,603,568
2046	3,987,605	4,535,514	4,689,469
2047	4,014,855	4,603,614	4,777,178
2048	4,040,091	4,671,201	4,866,866
2049	4,063,724	4,739,247	4,957,839
2050	4,085,659	4,807,699	5,050,115
2051	4,105,951	4,876,646	5,143,853
2052	4,124,670	4,946,182	5,239,212
2053	4,141,818	5,016,322	5,336,278
2054	4,157,177	5,087,392	5,436,177
2055	4,170,595	5,159,275	5,538,867
2056	4,181,825	5,231,748	5,644,199
2057	4,190,575	5,304,541	5,751,975
2058	4,196,584	5,377,415	5,862,027
2059	4,200,540	5,449,302	5,973,432
2060	4,202,431	5,520,147	6,086,253

2061	4,202,102	5,589,749	6,200,410
2062	4,199,389	5,657,909	6,315,830
2063	4,194,165	5,724,456	6,432,467
2064	4,187,163	5,791,013	6,551,028
2065	4,178,502	5,857,738	6,671,762
2066	4,168,236	5,924,718	6,794,854
2067	4,156,500	5,992,119	6,920,568
2068	4,143,559	6,060,232	7,049,304
2069	4,132,811	6,131,544	7,183,543
2070	4,121,643	6,203,508	7,320,810
2071	4,109,956	6,276,080	7,461,131
2072	4,097,663	6,349,236	7,604,559
2073	4,084,654	6,422,914	7,751,106
2074	4,061,752	6,486,245	7,889,829
2075	4,038,056	6,550,407	8,032,024
2076	4,013,689	6,615,494	8,177,902
2077	3,988,759	6,681,587	8,327,678
2078	3,963,333	6,748,706	8,481,490
2079	3,937,277	6,815,543	8,639,219
2080	3,910,724	6,882,124	8,801,029
2081	3,883,781	6,948,446	8,967,047
2082	3,856,562	7,014,513	9,137,418
2083	3,829,191	7,080,340	9,312,300
2084	3,801,960	7,147,607	9,491,976
2085	3,775,028	7,216,454	9,676,633
2086	3,748,551	7,287,003	9,866,432
2087	3,722,697	7,359,398	10,061,567
2088	3,697,634	7,433,767	10,262,208
2089	3,672,438	7,509,062	10,468,061
2090	3,647,247	7,585,398	10,679,327
2091	3,622,203	7,662,893	10,896,205
2092	3,597,459	7,741,673	11,118,910
2093	3,573,176	7,821,879	11,347,670
2094	3,548,609	7,903,470	11,581,417
2095	3,523,846	7,986,502	11,820,336
2096	3,498,983	8,071,035	12,064,614
2097	3,474,128	8,157,142	12,314,466
2098	3,449,395	8,244,907	12,570,139
2099	3,424,653	8,333,639	12,832,415
2100	3,399,996	8,423,410	13,101,562
2101	3,375,515	8,514,277	13,377,825
2102	3,351,325	8,606,329	13,661,486
2103	3,327,527	8,699,622	13,952,786
2104	3,304,446	8,794,022	14,251,173
2105	3,282,169	8,889,665	14,556,942
2106	3,260,771	8,986,653	14,870,318
2107	3,240,347	9,085,145	15,191,609
2108	3,220,975	9,185,265	15,521,058

Table 7: Education Service Needs by Fertility Scenario, Liberia, 2008 - 2108

Year	Children of Primary School Age			Primary Teachers Required		
	Low	Medium	High	Low	Medium	High
2008	574,252	574,252	574,252	14,586	14,586	14,586
2013	623,701	623,701	623,701	15,842	15,842	15,842
2018	697,127	749,071	760,196	17,707	19,026	19,309
2023	772,108	876,881	937,042	30,884	35,075	37,482
2028	797,212	930,053	1,077,161	31,888	37,202	43,086
2033	798,256	989,301	1,229,723	31,930	39,572	49,189
2038	791,275	1,071,889	1,428,881	31,651	42,876	57,155
2043	804,511	1,105,297	1,687,697	32,180	44,212	67,508
2048	870,309	1,134,761	1,979,620	34,812	45,390	79,185
2053	901,278	1,227,850	2,280,310	36,051	49,114	91,212
2058	900,503	1,322,678	2,615,130	36,020	52,907	104,605
2063	906,916	1,370,643	2,986,573	36,277	54,826	119,463
2068	921,316	1,397,958	3,406,529	36,853	55,918	136,261
2073	948,152	1,431,094	3,854,068	37,926	57,244	154,163
2078	944,879	1,491,076	4,327,437	37,795	59,643	173,097
2083	944,547	1,554,525	4,820,265	37,782	62,181	192,811
2088	944,558	1,559,826	5,327,422	37,782	62,393	213,097
2093	946,742	1,546,125	5,838,618	37,870	61,845	233,545
2098	940,586	1,533,514	6,337,897	37,623	61,341	253,516
2103	926,828	1,543,193	6,809,726	37,073	61,728	272,389
2108	910,306	1,551,784	7,233,851	36,412	62,071	289,354

Table 8: Education needs by Fertility Scenario, Liberia, 2008 - 2108

Year	Children of school going Age			Primary Teachers Required		
	Low	Medium	High	Low	Medium	High
2008	564,734	564,734	564,734	7,969	7,969	7,969
2009	577,354	577,354	577,354	8,816	8,816	8,816
2010	587,596	587,596	587,596	9,654	9,654	9,654
2011	596,057	596,057	596,057	10,483	10,483	10,483
2012	601,822	601,822	601,822	11,282	11,282	11,282
2013	603,322	603,322	603,322	12,009	12,009	12,009
2014	597,081	597,081	597,081	12,577	12,577	12,577
2015	601,331	611,293	611,600	13,363	13,584	13,591
2016	606,013	627,025	627,970	13,467	13,934	13,955
2017	610,292	643,504	645,450	13,562	14,300	14,343
2018	614,969	661,597	664,931	13,666	14,702	14,776
2019	621,600	682,920	688,058	13,813	15,176	15,290
2020	634,046	711,376	718,760	14,090	15,808	15,972
2021	634,591	719,566	729,364	14,102	15,990	16,208
2022	634,571	727,540	739,920	14,102	16,168	16,443
2023	634,135	735,424	750,550	14,092	16,343	16,679
2024	633,391	743,298	761,328	14,075	16,518	16,918
2025	632,347	750,692	772,224	14,052	16,682	17,161
2026	630,643	757,210	782,861	14,014	16,827	17,397
2027	628,211	762,743	793,144	13,960	16,950	17,625
2028	624,875	767,082	802,878	13,886	17,046	17,842
2029	620,242	769,808	811,660	13,783	17,107	18,037

2030	615,815	772,883	820,485	13,685	17,175	18,233
2031	611,578	776,793	829,398	13,591	17,262	18,431
2032	607,429	781,526	838,364	13,498	17,367	18,630
2033	603,233	787,036	847,323	13,405	17,490	18,829
2034	598,815	793,228	856,162	13,307	17,627	19,026
2035	595,490	800,692	867,183	13,233	17,793	19,271
2036	591,702	807,470	879,474	13,149	17,944	19,544
2037	587,465	813,554	893,127	13,055	18,079	19,847
2038	582,901	819,005	908,294	12,953	18,200	20,184
2039	578,335	824,032	925,244	12,852	18,312	20,561
2040	574,396	829,791	943,462	12,764	18,440	20,966
2041	570,134	836,074	961,093	12,670	18,579	21,358
2042	565,613	842,890	978,096	12,569	18,731	21,735
2043	560,929	850,289	994,461	12,465	18,895	22,099
2044	556,216	858,378	1,010,222	12,360	19,075	22,449
2045	551,054	867,277	1,026,235	12,246	19,273	22,805
2046	545,185	876,145	1,043,353	12,115	19,470	23,186
2047	538,657	885,022	1,061,614	11,970	19,667	23,591
2048	531,496	893,947	1,081,068	11,811	19,865	24,024
2049	523,683	902,957	1,101,775	11,637	20,066	24,484
2050	515,836	910,852	1,122,608	11,463	20,241	24,947
2051	508,325	917,453	1,142,695	11,296	20,388	25,393
2052	501,198	922,748	1,162,076	11,138	20,506	25,824
2053	494,514	926,755	1,180,840	10,989	20,595	26,241
2054	488,341	929,505	1,199,113	10,852	20,656	26,647
2055	483,464	932,569	1,217,434	10,744	20,724	27,054
2056	479,209	937,099	1,236,938	10,649	20,824	27,488
2057	475,575	943,171	1,257,688	10,568	20,959	27,949
2058	472,572	950,866	1,279,754	10,502	21,130	28,439
2059	470,238	960,278	1,303,222	10,450	21,340	28,960
2060	468,517	970,427	1,326,907	10,411	21,565	29,487
2061	466,650	979,774	1,350,283	10,370	21,773	30,006
2062	464,618	988,326	1,373,338	10,325	21,963	30,519
2063	462,411	996,104	1,396,075	10,276	22,136	31,024
2064	460,014	1,003,133	1,418,497	10,223	22,292	31,522
2065	453,701	1,010,287	1,441,460	10,082	22,451	32,032
2066	447,169	1,018,501	1,466,055	9,937	22,633	32,579
2067	440,435	1,027,730	1,492,298	9,787	22,838	33,162
2068	433,520	1,037,940	1,520,222	9,634	23,065	33,783
2069	426,423	1,049,074	1,549,838	9,476	23,313	34,441
2070	419,198	1,059,973	1,581,087	9,316	23,555	35,135
2071	415,546	1,069,664	1,613,024	9,234	23,770	35,845
2072	411,904	1,078,147	1,645,671	9,153	23,959	36,570
2073	408,348	1,085,422	1,679,057	9,074	24,120	37,312
2074	404,953	1,091,480	1,713,208	8,999	24,255	38,071
2075	401,801	1,097,488	1,748,078	8,929	24,389	38,846
2076	398,909	1,104,558	1,783,664	8,865	24,546	39,637
2077	396,291	1,112,760	1,819,965	8,806	24,728	40,444
2078	393,962	1,122,171	1,856,993	8,755	24,937	41,267
2079	391,928	1,132,863	1,894,741	8,710	25,175	42,105
2080	389,978	1,144,903	1,933,206	8,666	25,442	42,960
2081	388,070	1,157,206	1,972,467	8,624	25,716	43,833
2082	386,159	1,169,797	2,012,595	8,581	25,995	44,724
2083	384,195	1,182,688	2,053,643	8,538	26,282	45,637
2084	382,119	1,195,870	2,095,631	8,492	26,575	46,570
2085	379,738	1,209,320	2,138,666	8,439	26,874	47,526
2086	377,198	1,223,016	2,182,831	8,382	27,178	48,507

2087	374,477	1,236,899	2,228,161	8,322	27,487	49,515
2088	371,557	1,250,921	2,274,710	8,257	27,798	50,549
2089	368,431	1,265,041	2,322,559	8,187	28,112	51,612
2090	365,259	1,279,225	2,371,801	8,117	28,427	52,707
2091	362,184	1,293,466	2,422,477	8,049	28,744	53,833
2092	359,229	1,307,761	2,474,623	7,983	29,061	54,992
2093	356,426	1,322,129	2,528,310	7,921	29,381	56,185
2094	353,804	1,336,565	2,583,558	7,862	29,701	57,412
2095	351,478	1,351,113	2,640,353	7,811	30,025	58,675
2096	349,307	1,365,843	2,698,728	7,762	30,352	59,972
2097	347,303	1,380,812	2,758,679	7,718	30,685	61,304
2098	345,476	1,396,087	2,820,209	7,677	31,024	62,671
2099	343,829	1,411,743	2,883,329	7,641	31,372	64,074
2100	342,367	1,427,860	2,948,082	7,608	31,730	65,513
2101	340,979	1,444,477	3,014,541	7,577	32,099	66,990
2102	339,645	1,461,602	3,082,727	7,548	32,480	68,505
2103	338,339	1,479,254	3,152,697	7,519	32,872	70,060
2104	337,032	1,497,445	3,224,508	7,490	33,277	71,656
2105	335,706	1,516,153	3,298,211	7,460	33,692	73,294
2106	334,330	1,535,351	3,373,846	7,430	34,119	74,974
2107	332,893	1,555,000	3,451,435	7,398	34,556	76,699
2108	331,393	1,575,082	3,531,065	7,364	35,002	78,468

Appendix Table 9: Required numbers of doctors and nurses by Fertility Scenario, Liberia, 2008 - 2108

Year	Doctors			Nurses		
	Low	Medium	High	Low	Medium	High
2008	113	113	113	1,393	1,393	1,393
2013	129	131	132	1,589	1,617	1,624
2018	146	151	154	1,796	1,862	1,897
2023	163	172	180	2,004	2,118	2,213
2028	179	194	209	2,206	2,394	2,577
2033	194	218	244	2,397	2,684	3,005
2038	210	241	285	2,591	2,970	3,514
2043	227	265	333	2,793	3,261	4,107
2048	242	290	388	2,988	3,573	4,788
2053	257	316	451	3,170	3,896	5,565
2058	271	342	523	3,338	4,215	6,452
2063	284	367	605	3,498	4,525	7,459
2068	296	392	697	3,647	4,827	8,593
2073	307	416	800	3,779	5,133	9,856
2078	316	441	913	3,894	5,431	11,250
2083	324	463	1,036	3,992	5,703	12,772
2088	331	482	1,169	4,076	5,943	14,414
2093	336	499	1,311	4,142	6,154	16,162
2098	340	515	1,460	4,193	6,349	17,997
2103	343	529	1,614	4,229	6,516	19,894
2108	345	539	1,770	4,253	6,639	21,819

Table 10: Required number of health centers and hospitals by Fertility Scenario, Liberia, 2008 - 2108

Year	Health Centers			Hospitals		
	Low	Medium	High	Low	Medium	High
2008	465	465	465	31	31	31
2013	530	540	542	35	36	36
2018	600	622	633	40	41	42
2023	669	707	739	45	47	49
2028	737	799	860	49	53	57
2033	800	896	1,003	53	60	67
2038	865	991	1,173	58	66	78
2043	933	1,089	1,371	62	73	91
2048	998	1,193	1,598	67	80	107
2053	1,058	1,301	1,858	71	87	124
2058	1,114	1,407	2,154	74	94	144
2063	1,168	1,510	2,490	78	101	166
2068	1,218	1,611	2,868	81	107	191
2073	1,262	1,714	3,290	84	114	219
2078	1,300	1,813	3,756	87	121	250
2083	1,333	1,904	4,264	89	127	284
2088	1,361	1,984	4,812	91	132	321
2093	1,383	2,054	5,395	92	137	360
2098	1,400	2,119	6,008	93	141	401
2103	1,412	2,175	6,641	94	145	443
2108	1,420	2,216	7,284	95	148	486

Table 11: Required Annual Health Expenditure and population at high risk by Fertility Scenario, Liberia, 2008 - 2108

Year	Annual Health Expenditure in US dollars			Population at high Risk		
	Low	Medium	High	Low	Medium	High
2008	100,821,632	100,821,632	100,821,632	1,398,347	1,398,347	1,398,347
2013	115,025,200	117,063,208	117,576,432	1,628,423	1,698,699	1,716,396
2018	130,026,688	134,792,224	137,345,744	1,813,739	1,909,570	1,980,437
2023	145,082,512	153,316,688	160,195,376	1,958,396	2,080,687	2,231,638
2028	159,711,200	173,257,600	186,541,520	2,138,637	2,359,336	2,592,369
2033	173,492,464	194,261,536	217,526,960	2,294,441	2,629,254	3,021,920
2038	187,512,704	214,978,752	254,360,912	2,474,539	2,852,523	3,533,611
2043	202,201,632	236,048,400	297,264,832	2,671,267	3,130,329	4,123,326
2048	216,295,536	258,605,152	346,545,824	2,805,048	3,461,702	4,800,143
2053	229,453,616	281,996,928	402,832,640	2,906,737	3,743,018	5,577,610
2058	241,582,608	305,108,128	467,034,272	3,024,549	3,999,849	6,501,265
2063	253,214,400	327,515,776	539,945,472	3,118,771	4,206,470	7,496,114
2068	264,008,192	349,405,984	621,976,704	3,185,788	4,425,260	8,596,849
2073	273,539,936	371,563,200	713,427,584	3,230,708	4,668,181	9,815,020
2078	281,834,272	393,122,304	814,333,696	3,285,729	4,863,494	11,152,910
2083	288,981,440	412,792,800	924,510,464	3,352,137	5,004,756	12,595,547
2088	295,008,384	430,207,264	1,043,352,128	3,399,450	5,156,002	14,117,680
2093	299,842,208	445,483,072	1,169,892,224	3,413,780	5,306,539	15,707,224
2098	303,498,240	459,558,496	1,302,729,216	3,417,461	5,442,798	17,346,322
2103	306,128,480	471,632,768	1,439,988,096	3,418,184	5,506,410	19,004,036
2108	307,837,152	480,579,296	1,579,333,632	3,413,445	5,505,619	20,641,878



The Liberian Government and its Development Partners for the 2008 National Population and Housing Census

