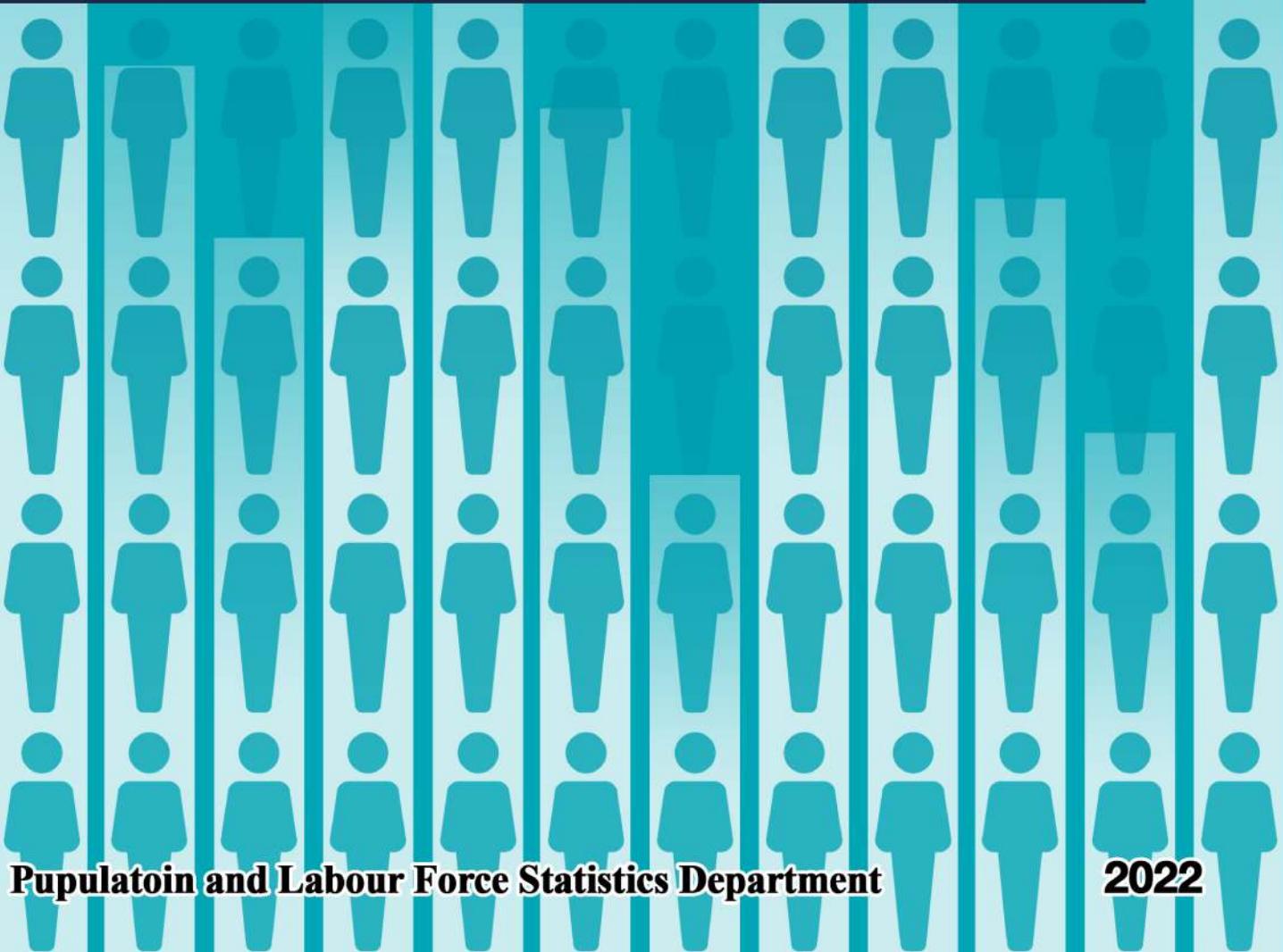**Kuridstan Region Government**
Ministry of Planning
Kurdistan Region Statistics Office

Kuridstan Region Population Projections

On Governorate and District Level

2021 - 2040

Pupulatoin and Labour Force Statistics Department

2022

Population Projections for Kurdistan Region of Iraq on Governorate and District Level 2021-2040

December 2022

Population Projections for Kurdistan Region of Iraq on Governorate and District Level 2021-2040

Contents

Foreword

In 2013, the Ministry of Planning / Kurdistan Region Statistics office published the estimated population report for the Kurdistan Region for the years 2009-2020 in cooperation with the United Nations Population Fund (UNFPA) after the General Population and Housing Census was not implemented as planned in 2010. In estimating the population numbers, the report relied on the results of the listing and numbering process for the year 2009 as well as on the results of the (Multiple Indicators Cluster (MICS) survey 2011 Poverty mapping and Maternal Mortality (IPMM) 2012. In 2019, the Federal Ministry of Planning announced its decision to carry out the census in 2020, but for various reasons, this decision has not been implemented and the census has not been implemented to this day.

The failure to implement a general census of population and housing in Iraq for 35 years has caused a large gap in an important source of planning data due to the lack of demographic indicators in their details, and therefore the statistical agencies in the country were forced to adopt alternative methods to provide these indicators using indirect population assessment programs in order to help the ministries in the Kurdistan Regional Government develop their annual plans and policies.

Therefore, the Statistics office prepared the population estimation report for the years 2021-2040 in cooperation with the United Nations Population Fund (UNFPA), benefiting from the latest data and indicators from the Demographic Survey 2017 and the Multiple Indicators Cluster Survey 2018 (MICS). This report differs from its predecessor in that it includes more details in terms of estimating the number of IDPs and refugees in the Kurdistan Region, who were embraced by the region after 2013, with an estimate of the population numbers at the district level so that Ministries and governorates can prepare their programs for administrative units and not only for governorates as a whole.

Here, I find it necessary to extend my thanks to the United Nations Population Fund (UNFPA) for its technical and material cooperation with the Kurdistan Region Statistics Office (KRSO), especially Dr. Magued Othman, former Minister of Communications and Information Technology and a demographic and census expert in Egypt, and I appreciate his cooperation in preparing this report. I extend my sincere thanks to Dr. Mahdi Al-Alak, National Census Advisor at UNFPA, for his review and evaluation of this report.

I extend my thanks to Mr. Serwan Mohamed, president of the Kurdistan Region Statistics Office (KRSO); Gohdar Mohammad Ali, head of the Population and Labor Force Statistics department; and Naeemah Akram, the department employee; who worked in preparing this important report, which is of great benefit and will be an essential source for developing plans and programs of ministries and governorates in the Kurdistan Regional Government.

Dr. Dara Rasheed

Minister of Planning

Preamble

Demographic data is a necessity for the development of population policies as a source of development in countries, hence the importance of population censuses and are implemented by statistical agencies every 10 years, as it is considered the largest statistical process.

During 35 years, Iraq has not been able to implement a comprehensive population and housing census, so it was necessary to resort to statistical surveys to provide demographic data and indicators. The Statistics office did its duty to fill part of this gap and prepared a report estimating the population numbers in the region for the years 2021-2040 and we tried to include the largest number of data and indicators such as age groups, life expectancy and male and female ratios not at the regional and governorate levels, but at the urban and rural levels as well.

The population estimate report is not a substitute for the census because it doesn't include everything with details and this is due to depending on the data available during the preparation of the report, so when recent data is available, it is necessary to review the population estimates and make changes, if any.

From this standpoint and in order to deliver the greatest benefit, three scenarios of population growth were developed in the report for the entire region and governorates under the heading of low, medium and large growth.

This report is adopted for the first time in Iraq and its importance lies in the fact that policy and plan makers will be able to draw their programs and expectations based on the results of this report and adapt them with reality of the population situation.

We hope that as we have always been accustomed to, we have set a clear vision in front of the Ministry of Planning to benefit from the latest demographic data and indicators, as well as enable us to help the ministries that are the main users of these data and indicators.

Serwan Mohammad
President
KRSO

Evaluation

Identifying the projections of population and their age and sex distribution on the administrative, rural and urban level is an important method to develop strategies and plans especially those related to the local development – on district level - .With the unavailability of up-to-date data due to the failure in conducting a comprehensive population census since 1987, providing population projections for the upcoming years involves some apprehension if not being conducted on scientific, real and accurate bases.

This report is built on demographic hypotheses characterized with reality and objectivity. Dr. Majid Othman, the editor of this report tried to check on the most appropriate hypotheses in the light of an in-depth extrapolation of the KR population characteristics based on the statistical indicators provided by Kurdistan Region Statistics Office.

The methodology of this report is a useful source for the different official authorities, researchers and studies centers since it provided projections on KR district level for an appropriate period of time. But this does not preclude reviewing the results of the report after Iraq conducts the next census that expected to be conducted during the next two years based on what was stated in the new government curriculum.

Adopting the evidence-based methodology of the key indicators in building the new demographic models supports the importance of the KR population projection's report.

We hope that the official and non- official authorities benefit from this report in a way that enhance the process of planning and development.

D. Mahdi Al-alak
National Advisor on Census Affairs at the
United Nations Population Fund (UNFPA)

Introduction

Iraq has witnessed accumulative crisis since 2014 resulting in shifts of the demographic profile of the country. There have been major changes on key population factors including population growth, distribution, age structure, fertility, mortality, population mobility, women empowerment etc. In addition, the COVID19 pandemic made even more implications on the demographic factors. The long-term conflict in Iraq has negatively impacted the economic outlook for the country, including the Kurdistan Region, as foreign investment has decreased, and trade routes have been disrupted. During the last decade, KRI faced additional challenges including inflow of Syrian refugees, displacement due to the ISIL invasion of Iraqi territories, budget disputes between the KRG and Iraq's Federal Government and decreasing oil prices.

These challenges had a negative impact on government function, household resilience, private sector survival, and distortion of the labor market in the Kurdistan Region of Iraq. Furthermore, they put the region's government under immense strain, particularly with respect to the provision of public services and social protection. With all these challenges, KRI was faced with an unexpected global pandemic that placed more pressures not only on the health sector but also on the economy at large.

The current report on "Population Projections for Kurdistan Region of Iraq on the district level 2021-2040" aims at supporting economic and social planning on the district level by projecting the population by age and sex. The perceived impact of population dynamics is important to provide services and infrastructure whether in the planning phase or in revising priorities and resource allocation. It is a crucial step to achieve sustainable development and to make sure no one is left behind.

Methodology

Estimation of population data and indicators on the governorate and district levels

The 2020 baseline population used in this report was provided by the KRSO. According to this data the population of the Kurdistan Region is nearly 6.2 million inhabitants. Erbil is the largest governorate in the region hosting nearly 36.5% of the total population of the region, followed by Sulaymaniyah (34.9%), then Duhok (26.7%) and Halabja (1.9%). The sex distribution is balanced with 50.2% males among the region with slight discrepancy across governorates.

Table 1: Population of KRI by governorate, 2020

Governorate	Male	Female	Total
Erbil	1,138,143	1,116,279	2,254,422
Sulaymaniyah	1,076,829	1,075,766	2,152,595
Duhok	826,100	822,511	1,648,611
Halabja	57,756	57,699	115,455
KRI	3,098,828	3,072,255	6,171,083

The age structure of Kurdistan is reflecting a young population structure with nearly 37% below 15 and 29 % between 15 and <30 years. This young age structure will be echoed on a high dependency rate and is consistent with fertility levels. According to the 2018 MICS results, the total fertility rate was 3.1 child per woman in Erbil, 2.8 in Sulaymaniyah and 3.7 in Duhok. The fertility level of Duhok is equal to the national level (3.7 child per woman)[1], and fertility level is significantly lower in Erbil and in Sulaymaniyah. Compared to the neighbour countries, Iran and Turkey have a significantly lower fertility level (2.2 child per woman and 2.1 child per woman respectively.)

Planning on district level should recognize the local differentials in population structure across governorates, as population structure impact economic and social planning. Table 2 shows that the population structure varies across the three governorates. For example, Duhok has a younger population with 41% below 15 while Sulaymaniyah has 34% of its population below 15. This shows that taking population dynamics into consideration will improve the socio-economic planning process and will result in a more accurate resource allocation process that is responding to the need of the people of KRI.

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[1] United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition. Rev. 1. https://www.un.org/development/desa/pd/news/world-population-prospects-2019-0 Data are presented as an average of the period 2015-2020.

Table 2: Age structure of the population of KRI by governorate, 2020

Age group	Erbil	Sulaymaniyah	Duhok	Halabja	KRI
0-14	37.9%	33.5%	40.9%	33.5%	37.1%
15-29	28.5%	28.8%	29.9%	28.8%	29.0%
30-44	19.1%	21.0%	17.1%	21.0%	19.3%
45-59	9.0%	10.1%	7.5%	10.1%	9.0%
60+	5.5%	6.7%	4.5%	6.7%	5.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Calculation based on the CSO estimates by age and sex for 2019.

The detailed (5 year) age and sex distribution for the population of each governorate (Table 3) is used as the baseline population in projecting the population up to year 2040. To project the population on the district level, data included in Table (4) are used as the baseline for projecting the population from 2020 to 2040.
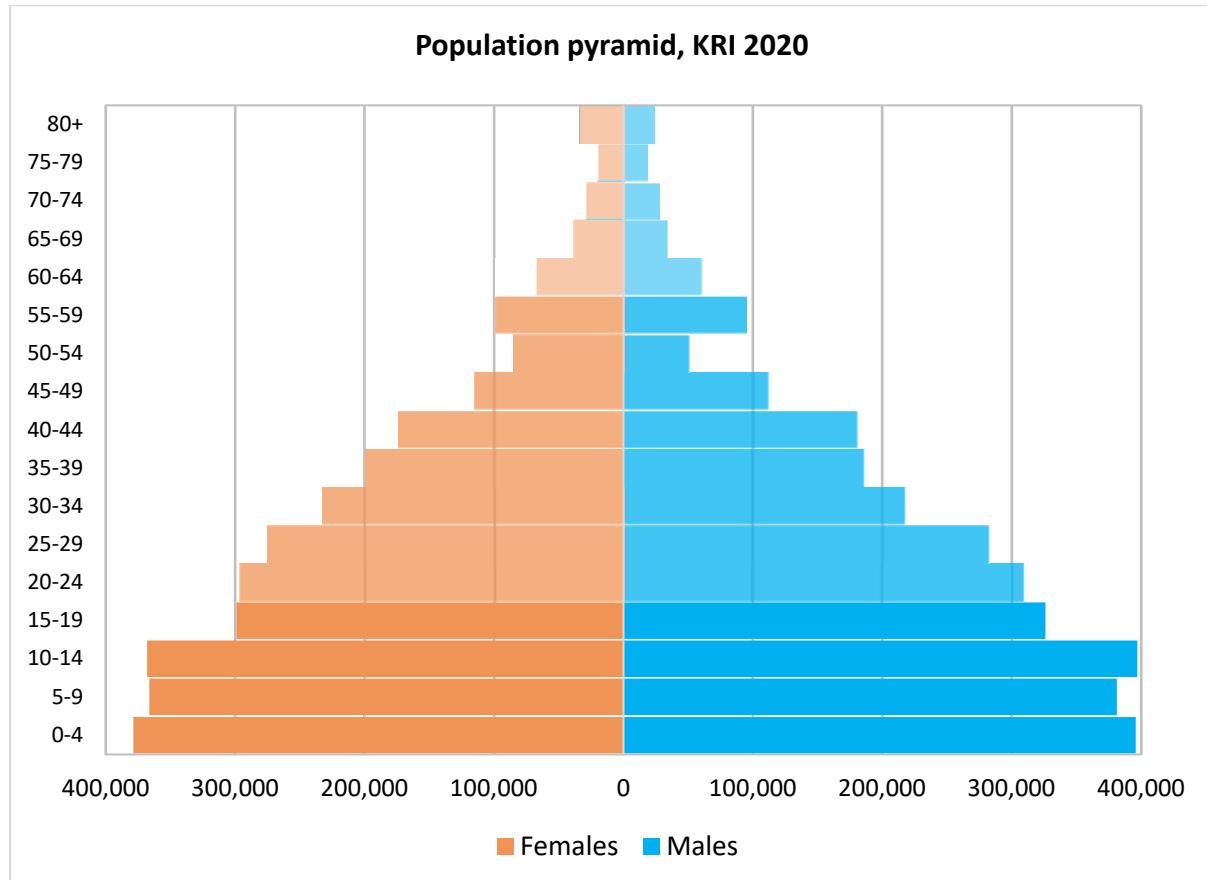
Table 3: Age and sex distribution by governorates, 2020

	Erbil			Sulaymaniyah			Duhok			Halabja			KRI		
	Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
0-4	151,314	142,328	293,642	119,535	116,875	236,410	118,462	113,286	231,748	6,411	6,269	12,680	395,722	378,758	774,480
5-9	141,068	136,933	278,001	120,770	113,384	234,154	113,009	109,937	222,945	6,478	6,081	12,559	381,325	366,335	747,660
14-10	149,391	132,894	282,285	129,660	120,333	249,993	111,133	108,228	219,361	6,954	6,454	13,408	397,138	367,909	765,047
19-15	117,661	102,587	220,248	110,701	103,952	214,653	91,867	87,004	178,871	5,937	5,575	11,513	326,166	299,118	625,284
24-20	110,219	107,882	218,101	109,968	101,663	211,630	83,674	81,147	164,821	5,898	5,453	11,351	309,759	296,145	605,904
29-25	102,225	101,822	204,047	98,281	94,528	192,810	76,359	73,294	149,653	5,271	5,070	10,341	282,136	274,714	556,850
34-30	80,984	85,311	166,295	78,672	84,564	163,236	53,955	57,775	111,730	4,220	4,536	8,755	217,831	232,186	450,017
39-35	68,600	69,314	137,914	69,375	77,240	146,615	44,440	48,241	92,681	3,721	4,143	7,864	186,136	198,938	385,074
44-40	63,467	62,643	126,110	72,323	69,501	141,824	40,673	37,466	78,139	3,879	3,728	7,607	180,342	173,338	353,680
49-45	42,222	42,865	85,088	42,972	46,389	89,360	24,657	23,229	47,885	2,305	2,488	4,793	112,156	114,971	227,127
54-50	19,997	30,916	50,913	18,434	32,448	50,882	10,877	19,543	30,419	989	1,740	2,729	50,297	84,647	134,944
59-55	32,941	33,806	66,747	38,032	38,845	76,877	21,721	23,649	45,370	2,040	2,083	4,123	94,734	98,383	193,117
64-60	20,643	24,026	44,669	24,804	27,308	52,112	13,766	13,961	27,727	1,330	1,465	2,795	60,543	66,760	127,303
69-65	13,135	14,689	27,824	14,068	14,408	28,476	6,568	8,167	14,736	755	773	1,527	34,526	38,037	72,563
74-70	10,172	11,088	21,260	10,930	11,710	22,640	5,908	5,631	11,539	586	628	1,214	27,596	29,057	56,653
79-75	6,092	7,019	13,111	8,081	8,600	16,681	3,899	3,858	7,756	433	461	895	18,505	19,938	38,443
80+	8,011	10,156	18,167	10,225	14,018	24,243	5,131	8,098	13,229	548	752	1,300	23,915	33,024	56,939
Total	1,138,143	1,116,279	2,254,422	1,076,829	1,075,766	2,152,595	826,100	822,511	1,648,611	57,756	57,699	115,455	3,098,827	3,072,258	6,171,085

Table 4: Baseline population on district level and residence (Urban/Rural), 2020

Governorate	District	Urban	Rural	Total
Erbil	Erbil	960,774	82,938	1,043,712
	Rawandoz	16,883	11,145	28,028
	Koya	94,281	29,147	123,428
	Choman	19,048	15,444	34,492
	Khabat	85,190	36,480	121,670
	Binaslawa	212,239	31,854	244,093
	Soran	161,024	44,244	205,268
	Shaqlawa	114,206	50,945	165,151
	Makhmour	41,163	188,879	230,042
	Mergasoor	19,838	38,700	58,538
	Total	**1,724,646**	**529,776**	**2,254,422**
Sulaymaniyah	Sulaymaniyah	848,311	73,772	922,083
	Pshdar	102,228	34,741	136,969
	Penjween	26,409	21,898	48,307
	Chamchamal	157,311	20,928	178,239
	Khanaqeen	1,346	13,054	14,400
	Darbandikhan	48,465	4,397	52,862
	Dukan	46,937	28,708	75,645
	Ranya	218,962	28,712	247,674
	Said Sadiq	65,445	26,358	91,803
	Sharbazher	7,387	14,928	22,315
	Sharazoor	64,273	9,418	73,691
	Qaradagh	2,853	8,549	11,402
	Kalar	197,271	12,364	209,635
	Kifry	39,222	18,461	57,683
	Mawat	1,621	8,266	9,887
	Total	**1,828,041**	**324,554**	**2,152,595**
Duhok	Duhok	413,674	20,290	433,964
	Akre	93,901	115,146	209,047
	Amedi	90,462	43,481	133,943
	Shekhan	87,124	84,137	171,261
	Bardarash	54,907	109,359	164,266
	Zakho	286,668	32,710	319,378
	Semel	166,425	50,327	216,752
	Total	**1,193,161**	**455,450**	**1,648,611**
Halabja	**Total**	**98,081**	**17,374**	**115,455**

Table 5: Fertility indicators of KRI by governorate, 2018

	Erbil	**Sulaymaniyah**	**Duhok**	**Halabja**	**KRI**
Total fertility rate	3.1	2.8	3.7	2.8	3.1
Contraceptive prevalence rate	66.0	73.3	56.9	73.3	66.6
- **Modern methods**	24.9	25.3	27.6	25.3	25.6
- **Traditional methods**	41.1	48.0	29.3	48.0	41.0
Percent with unmet needs	7.1	8.0	10.1	8.0	8.0
Percent using contraceptives for spacing	22.9	22.3	18.5	22.3	21.9
Percent using contraceptives for limiting	43.1	51.1	38.5	51.1	44.7

Source: MICS 2018

According to the International Organization for Migration (IOM), internally displaced population (IDP) in Iraq reached 1.18 million as of mid-2022[2]. KRI share of IDP's is nearly 694 thousand individuals, i.e., 52.6% of IDP's in Iraq. The following features characterize IDP's in the region:

1) Geographical differential across governorates. Data[3] show that Duhok has the highest number of IDP's within the KRI (320 thousand IDP's) hosting 46% of total IDP's living in KRI. Erbil comes second with 233 thousand IDP's representing 34% of total IDP's living in KRI, followed by Sulaymaniyah that host 142 thousand IDP's, i.e., 20% of total IDP's living in KRI.

2) Burden of IDP's on hosting population. When the burden of IDP's is measured as the percent of IDP's to the population of each governorate, it was found that based on the 2020 data, the percent was significantly higher in Duhok (24.4%) followed by Erbil (10.5%) then Sulaymaniyah[4] (6.2%.)

3) Trend. As illustrated in Figure (1) and analysed in Table (6), the total number of IDP's hosted in the region decreased by 20% between February 2018 and March 2022. The decrease in the number of IDP's in Duhok was higher reaching 29%, followed by Sulaymaniyah (22%) while the number of IDP's in Erbil seems to stabilize.

4) Governorate of origin for IDP's. The distribution of IDP's by governorate of origin differs across governorates. Nearly all IDP's residing in Duhok are from Ninewa governorate, while IDP's living in Erbil and Sulaymaniyah are more heterogeneous in terms of governorate of origin. In Erbil, 48% moved from Ninewa governorate, 30% from Anbar, and 10% from Salah Al-Din Governorate. IDP's living in Sulaymaniyah are even more heterogeneous (24% from Salah Al-Din, 22% from Baghdad, 18% from Diyala, 16% from Anbar and 10% from Ninewa.)

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[2] https://iraqdtm.iom.int/Dashboard
[3] March 2022
[4] Including Halabja

These figures show that future scenario building for the KRI population should consider the possible changes in the number of IDP's on the governorate level. Such changes do not depend only on the political, economic and social situation in KRI but depends heavily on the situation in the governorates of origin and on the political stability in neighbour countries.

Figure 1: Internally displaced individuals trend, 2018-2022
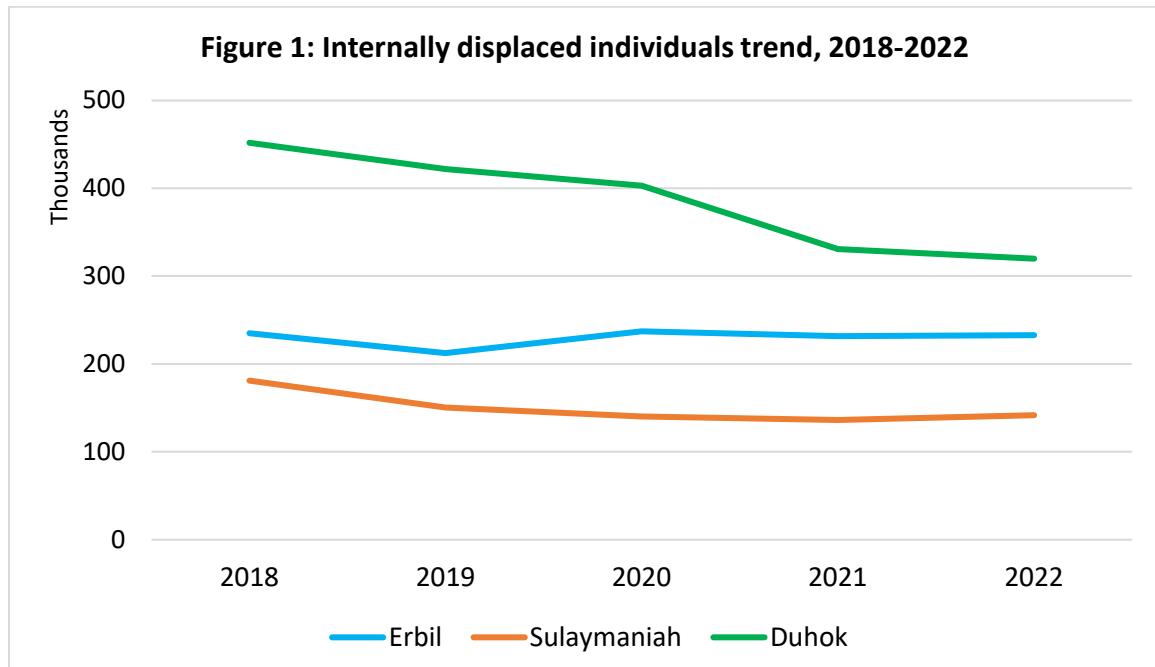
Source: IOM. IOM Displacement Tracking Matrix. https://iraqdtm.iom.int/MasterList#Reports

Table 6: Internally displaced population in KRI, 2018-2022

	Erbil	Sulaymaniyah	Duhok	KRI
Feb 2018	234,846	181,302	451,884	868,032
Feb 2019	212,562	150,336	421,650	784,548
Feb 2020	237,408	140,304	402,780	780,492
Feb 2021	231,694	136,496	330,785	698,975
Mar 2022	232,860	141,522	320,109	694,491
Percent decrease 2018-2022	0.8%	21.9%	29.2%	20.0%
Annual average decrease	0.2%	5.9%	8.1%	5.3%

Table 7: Governorate of origin for IDP's in KRI by governorate, March 2022

Governorate of origin	Erbil		Sulaymaniyah		Duhok		KRI	
	#	%	#	%	#	%	#	%
Anbar	68,592	29.5%	22,234	15.7%	210	0.1%	91,036	14.6%
Babylon	35	0.0%	9,713	6.9%	0	0.0%	9,748	1.6%
Baghdad	12,736	5.5%	31,254	22.1%	210	0.1%	44,200	7.1%
Diyala	940	0.4%	25,477	18.0%	0	0.0%	26,417	4.2%

Erbil	7,272	3.1%	0	0.0%	0	0.0%	7,272	1.2%
Kirkuk	9,749	4.2%	4,698	3.3%	66	0.0%	14,513	2.3%
Ninewa	110,638	47.5%	14,023	9.9%	248,217	99.7%	372,878	59.8%
Salah al-Din	22,898	9.8%	34,123	24.1%	246	0.1%	57,267	9.2%
Total	232,860	100.0%	141,522	100.0%	248,949	100.0%	623,331	100.0%

Population projections technique

Population projections are estimates of the population for future years. They are typically based on an estimated population consistent with the most recent decennial census and are produced using the cohort-component method. Projections illustrate possible courses of population change based on assumptions about future births, deaths, net international migration, and internal migration. In some cases, several series of projections are produced based on alternative assumptions for future fertility, mortality, net international migration, and (for state-level projections) state-to-state or internal migration[5].

In the cohort-component method, the components of population change (fertility, mortality, and net migration) are projected separately for each birth cohort (persons born in a given year). The base population is advanced each year by using projected survival rates and net international migration, and each year, a new birth cohort is added to the population by applying the projected fertility rates to the female population.

For each of the three components of population changes, the level and pattern need to be carefully assumed to reflect the changes expected during the period of projections. Fertility assumptions should identify the level of fertility (total fertility rate) and the pattern of fertility (age specific fertility rates). Mortality assumptions should identify the level of mortality for both sexes (life expectancy by sex) and the pattern of mortality (age specific mortality rates by sex). Similarly, migration assumptions should identify the rate of migration and its pattern. The level and pattern of fertility is usually derived from a recent survey, and a model life table is selected to reflect the age specific mortality rates. Migration assumptions depend on economic and political prospects. Spectrum software was used to generate the population projections.

In a recent report[6], the KRI population projections were conducted for a 20-year period starting from 2020. The projections benefited from a previous set of projections conducted by KRSO in 2013[7]. The previous set of projections covers the period 2009 to

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[5] https://www.census.gov/programs-surveys/popproj/about.html
[6] Kurdistan Region of Iraq - Population Analysis Report 2021 (gov.krd)
[7] KRSO (2013). Population projection for Kurdistan Region of Iraq 2009 to 2020. [In Arabic]

2020. The current projections used the resulting 2020 population by age and sex as the base year for projecting the population of KRI to 2040.

In the current report, population projections were developed on the district level for both urban and rural areas. To be able to project the population for each of the 33 districts separately, there is a need to compute the parameters of the population projections on the district level. As such data on small areas are not available, the projections were conducted on the governorate level and then the results were distributed among districts (urban and rural) proportional to their population size at the baseline. This assumption implies that districts within the same governorate are homogeneous in terms of parameters of population dynamics.

Scenarios for population projections on the governorate level

A set of scenarios were developed for each governorate. Regarding fertility, data from the MICS survey (2018) showed that the total fertility rate is higher in Duhok (3.7), followed by Erbil (3.1), then Sulaymaniyah (2.8). The total fertility rates are assumed to decrease over time according to three scenarios. The trajectory was based on a higher fertility level in Duhok and a lower fertility level in Sulaymaniyah and Halabja. The 2018 data was extrapolated to year 2040 using 3 scenarios. The first scenario (high variant fertility) assumes an annual decrease of 0.5%, the second scenario (medium variant fertility) assumes an annual decrease of 1%, and the third scenario (low variant fertility) assumes an annual decrease of 2%. As presented in Table 8, the 2040 total fertility rate will vary from 1.99 to 2.78 child per women in Erbil, from 1.80 to 2.51 child per women in Sulaymaniyah and in Halabja, and from 2.37 to 3.31 child per women in Duhok. The age specific fertility rates derived from the KRI Demographic survey[8] were applied to the set of TFR's and used for the projections of the four governorates.

The life expectancy at birth was assumed to be equal across the four governorates as no data is available on the governorate level. The scenario assumes an increase from 73.7 years in 2020 to 77.5 in 2040 for males and from 76.5 years to 80.6 years for females over the projection period (Table 9.) Life expectancy at birth, indicates overall mortality in a population. In addition, the pattern of mortality is needed to produce mortality rates by age group. The rates required to conduct the population projections are survival ratios. Accurate and recent age/sex specific mortality rates are not available in many countries on the national level and less likely to be available on the sub-national level. Alternatively, model life table are used. The UN General life table is used as it is based on estimates of country specific data.

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[8] Table 18

Table 8: Total fertility rate scenarios by governorate

Governorate	Variant	2020	2025	2030	2035	2040
Erbil	High	3.07	2.99	2.92	2.85	2.78
	Medium	3.04	2.89	2.75	2.61	2.49
	Low	2.98	2.69	2.43	2.2	1.99
Sulaymaniyah	High	2.77	2.7	2.64	2.57	2.51
	Medium	2.74	2.61	2.48	2.36	2.24
	Low	2.69	2.43	2.2	1.99	1.8
Duhok	High	3.66	3.57	3.48	3.4	3.31
	Medium	3.63	3.45	3.28	3.12	2.97
	Low	3.55	3.21	2.9	2.62	2.37
Halabja	High	2.77	2.7	2.64	2.57	2.51
	Medium	2.74	2.61	2.48	2.36	2.24
	Low	2.69	2.43	2.2	1.99	1.8

Table 9: Life expectancy scenario 2020 to 2040

	2020	2025	2030	2035	2040
Male	73.7	74.8	75.7	76.6	77.5
Female	76.5	77.5	78.5	79.6	80.6

Limitations

Results of any population projections depend on the assumptions adopted and on the baseline data. Accordingly, users of the results should consider the following:

1) Results of the population projections need to be updated when new data suggest different assumptions or different baseline age and sex population data. For example, results of new census or surveys need to be taken into consideration to update the results, especially if there are significant deviations between the assumptions/results of the projections and the new set of data.

2) Population projections of small geographical areas (district level) assumed that population dynamics parameters are equal within the same governorate, this assumption is adopted due to the lack of data on the district level. If new data indicate heterogeneity within the governorate, then population projections need to be updated.

3) Internally displaced population depends on political stability in Iraq and in neighbour countries. It also depends on the economic situation in KRI and in other governorates. The net inflow/outflow of IDP's need to be measured periodically as it might affect the results of the future population size not only on the Kurdistan Region level but also on the governorate level.

Therefore, the population projection results should be considered as a living (dynamic) document that needs to be updated whenever new data are made available, or, if significant changes occur due to political/economic/environmental factors.

Results

Population projection for Kurdistan Region of Iraq

To conduct the population projections for KRI population up to 2040, a set of scenarios are considered. Three scenarios are applied for the fertility level. A sensitivity analysis didn't suggest a large difference between the three scenarios and accordingly the medium fertility scenario was used for the projections on the district level (Table 10 summarises the results).

Table 10: Population of KRI by governorates, medium fertility variant, 2020-2040
Numbers

	2020	2025	2030	2035	2040
Erbil	2,254,421	2,488,315	2,731,945	2,981,511	3,232,154
Sulaymaniyah	2,152,597	2,348,728	2,549,373	2,748,771	2,938,720
Duhok	1,648,613	1,859,753	2,093,015	2,342,886	2,600,612
Halabja	115,454	125,974	136,736	147,431	157,618
KRI	6,171,085	6,822,770	7,511,069	8,220,599	8,929,104
Percent					
Erbil	36.5%	36.5%	36.4%	36.3%	36.2%
Sulaymaniyah	34.9%	34.4%	33.9%	33.4%	32.9%
Duhok	26.7%	27.3%	27.9%	28.5%	29.1%
Halabja	1.9%	1.8%	1.8%	1.8%	1.8%
KRI	100.0%	100.0%	100.0%	100.0%	100.0%

Forecasting IDP's

These previous results assumed that the proportion of IDP's will remain constant during the period of population projections. Two other scenarios were considered to make the results more useful for policy makers and planners. The two scenarios assume a decrease in the number of IDP's and follow the discussion presented in the previous section. Based on the recent trend observed for the number of IDP's, the first additional scenario assumes a linear decrease in the number of IDP's in each governorate and the second assumes a proportional decrease.

According to the linear decrease scenario, the number of IDP's will decrease in KRI from 694 thousand in 2022 to 224 thousand in 2040, while according to the proportional decrease scenario the number of IDP's is expected to be 338 thousand in 2040 (Table 11.) Figure 2 illustrates the expected disparity in the geographical distribution of IDP's across governorates

and how this distribution will change over time[9]. The decreasing trend observed during the period 2018-2022 showed a significant discrepancy across governorates. Erbil that was hosting in 2020 30% of all IDP's living in the region, is expected to host between 66% (proportional decrease scenario) and 100% (linear decrease scenario) in 2040. Sulaymaniyah will witness a slower pace of decrease as the proportion will decrease from 18% in 2020 to 0% (linear decrease scenario) and to 14% (proportional decrease scenario) in 2040. A dramatic decrease in the number of IDP's currently living in Duhok is expected to take place if the recent trend (2018-2022) continues, as the proportion of IDP's living in Duhok in 2020 was 52% and is expected to drop sharply to 20% under the proportional decrease scenario while under the linear decrease scenario there will be no IDP's in Duhok.

Table 11: Scenarios for changes in IDP's across governorates

	Linear decrease				Proportional decrease			
	Erbil	**Sulaymaniyah**	**Duhok**	**KRI**	**Erbil**	**Sulaymaniyah**	**Duhok**	**KRI**
2018	234,846	181,302	451,884	868,032	234,846	181,302	451,884	868,032
2019	212,562	150,336	421,650	784,548	212,562	150,336	421,650	784,548
2020	237,408	140,304	402,780	780,492	237,408	140,304	402,780	780,492
2021	231,694	136,496	330,785	698,975	231,694	136,496	330,785	698,975
2022	232,860	141,522	320,109	694,491	232,860	141,522	320,109	694,491
2025	231,371	111,687	217,324	560,382	231,382	117,528	247,173	596,082
2030	228,888	61,962	46,016	336,866	228,938	86,232	160,635	475,805
2035	226,406	12,237	0	238,643	226,521	63,269	104,395	394,185
2040	223,923	0	0	223,923	224,129	46,422	67,845	338,395

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[9] Upper panel illustrates the proportional decrease and lower panel illustrates the linear decrease.

Figure 2: Expected number of IDP's by governorate, 2020-2040, Scenario 1: Linear decrease vs. scenario 2: proprtional decrease

Scenario 1

| 2020 | 237,408 | 140,304 | 402,780 |

| 2030 | 228,888 | | 46,016 |
| | | 61,962 | |

| 2040 | 223,923 |

Scenario 2

| 2020 | 237,408 | 140,304 | 402,780 |

| 2030 | 228,938 | 86,232 | 160,635 |

| 2040 | 224,129 | 46,422 | 67,845 |

0   200,000   400,000   600,000

■ Erbil   ■ Sulaymaniyah   ■ Duhok
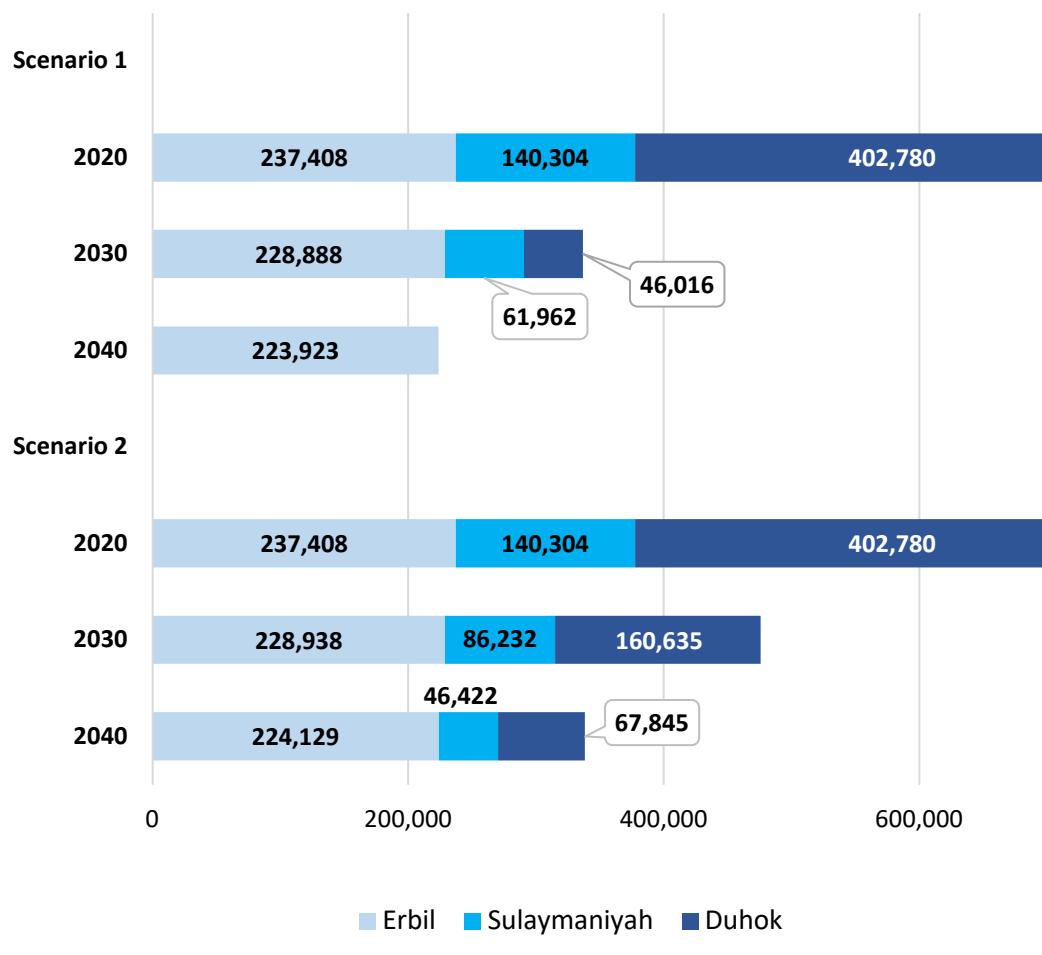
Population projections for Erbil Governorate

Erbil Governorate hosts the capital of the Kurdistan Region of Iraq. The governorate, like the rest of the Kurdistan Region, has been deeply affected by recent waves of displacement resulting from the conflicts in Syria and the rest of Iraq, as well as a pervasive financial crisis affecting the public and private sectors of its economy. Due to the economic opportunities in Erbil Governorate, it hosted Syrian refugees and displaced people fleeing conflict in Syria and insurgency in other parts of Iraq. The Erbil's population estimate in 2020 is nearly 2.25 million.

Table 12: Main results from population projections, medium variant fertility scenario, Erbil

	2025	2030	2035	2040
Total population	2,488,315	2,731,945	2,981,511	3,232,154
Male	1,257,701	1,382,233	1,509,690	1,637,716
Female	1,230,615	1,349,713	1,471,820	1,594,438
Percent 0-4	10.85	10.38	9.89	9.38
Percent 5-14	22.91	20.54	18.49	17.83
Percent 15-24	20.16	20.45	19.07	17.32
Percent 15-49	54.24	54.81	55.28	54.1
Percent 15-64	62.15	64.03	66.43	66.71
Percent 65 and over	4.09	5.06	5.2	6.08
Percent females 15-49	53.64	54.27	54.58	53.18
Births	56,550	58,940	61,004	62,162
Deaths	8,795	9,666	10,768	12,351

Table 13: Indicators resulting from population projections, medium variant fertility scenario, Erbil

	2025	2030	2035	2040
Sex ratio	102.2	102.41	102.57	102.71
Dependency ratio	0.61	0.56	0.51	0.5
Median age	23	24	26	28
Crude birth rate	22.7	21.6	20.5	19.2
Gross reproduction rate	1.41	1.34	1.27	1.2
Net reproduction rate	1.36	1.3	1.23	1.17
Child-woman ratio	0.41	0.39	0.37	0.36
Crude death rate	3.5	3.5	3.6	3.8
Infant mortality rate	22.2	20.2	18.4	16.8
Under-five mortality rate	27.1	24.6	22.4	20.4
Rate of natural increase	1.92	1.8	1.68	1.54
Doubling time	36.5	38.8	41.5	45.3

Table 14: Dependency ratio by fertility variant 2020-2040, Erbil

	Low	Medium	High
2020	71%	71%	71%
2025	60%	61%	61%
2030	54%	56%	57%
2035	47%	51%	53%
2040	44%	50%	53%

Figure 3: Population pyramid medium fertility variant, Erbil 2030
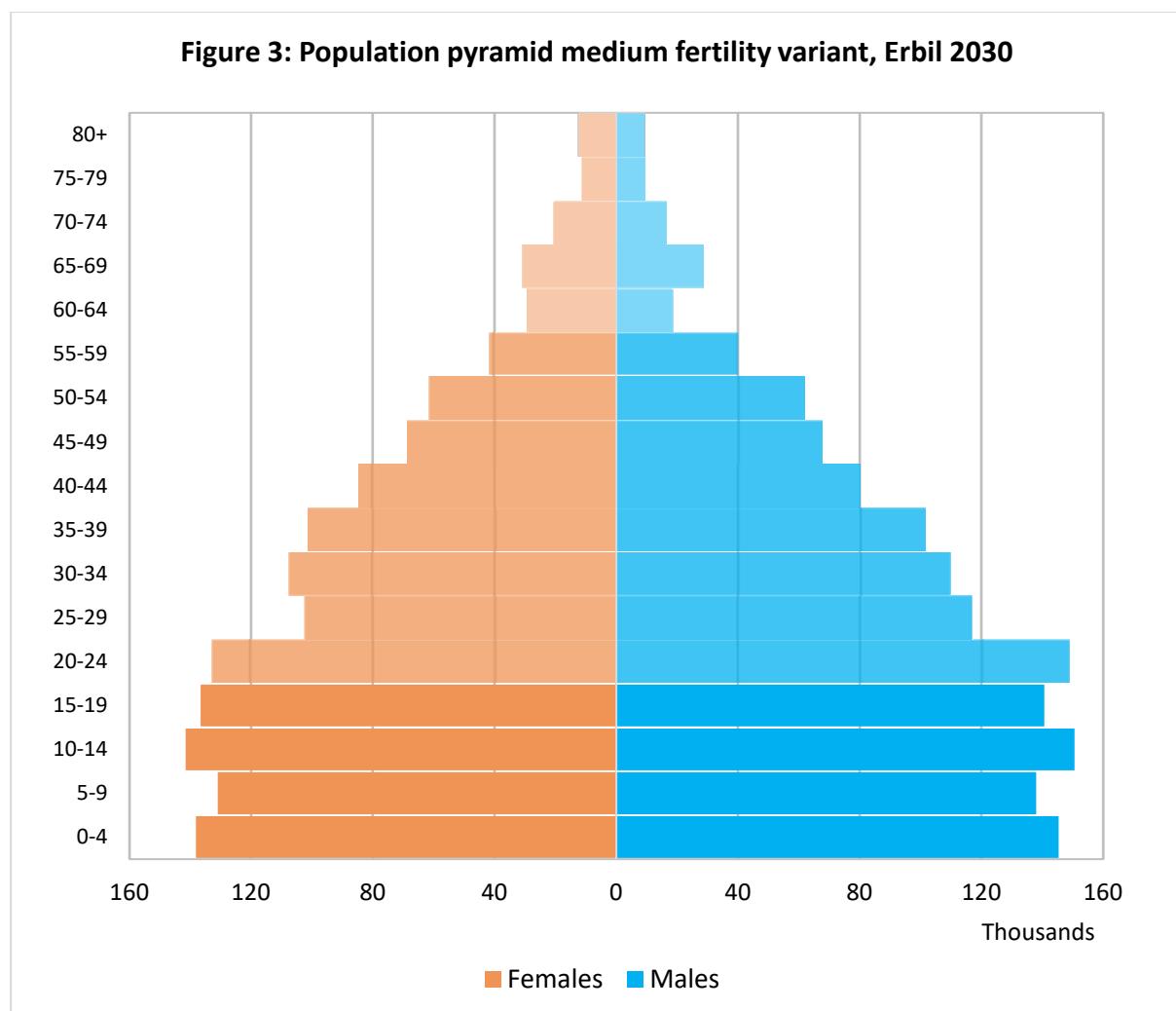
Figure 4: Population pyramid medium fertility variant, Erbil 2040
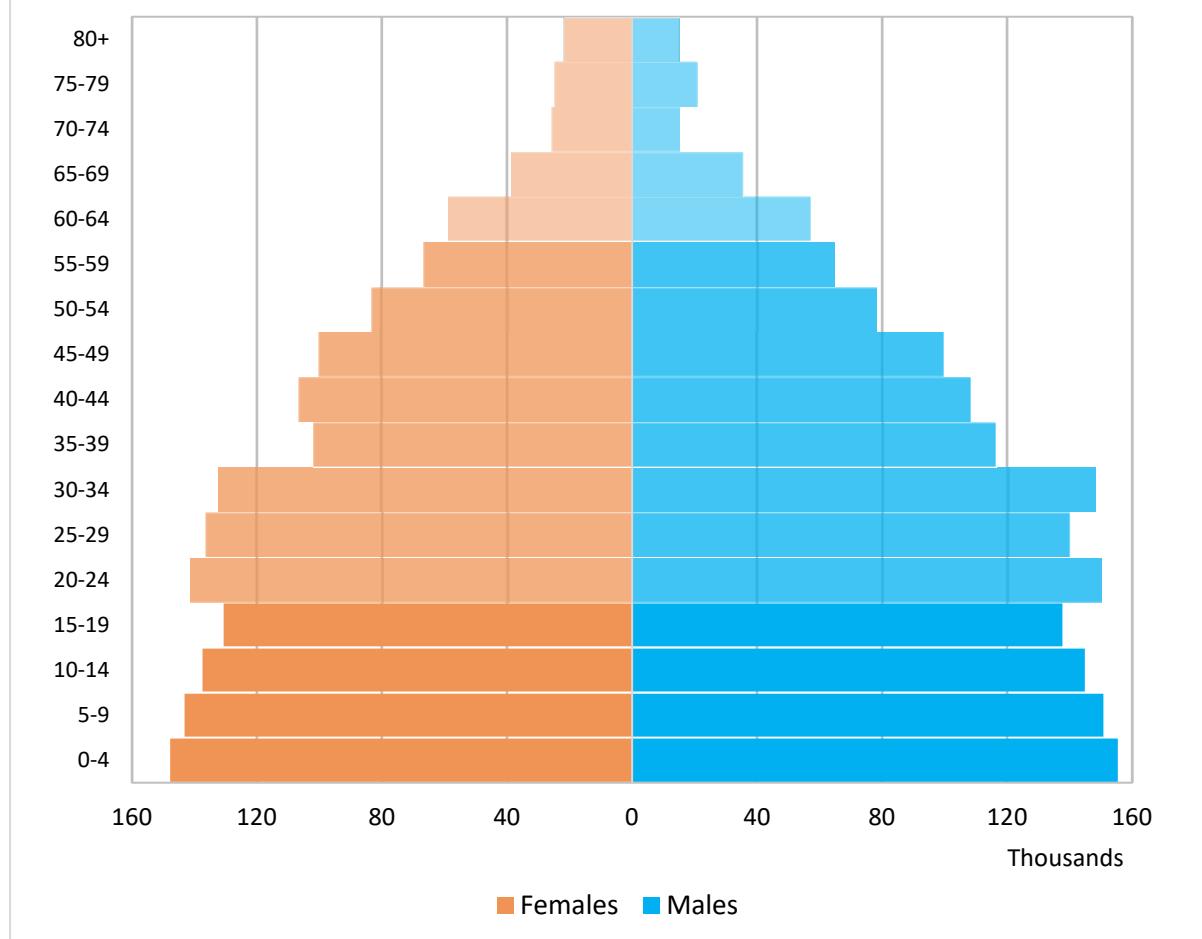
Table 15: Population projections for selected age groups
medium variant fertility scenario 2020 to 2040, Erbil

	2020	2025	2030	2035	2040
Population 0-4	293,751	269,982	283,576	294,871	303,176
Population 5-14	560,224	570,073	561,142	551,281	576,293
Population 15-24	438,259	501,644	558,683	568,574	559,809
Population 15-64	1,320,189	1,546,488	1,749,264	1,980,618	2,156,170
Population 65+	80,257	101,772	138,236	155,039	196,515
Females 15-49	572,428	660,102	732,489	803,319	847,922
Population 6-11	337,615	346,694	330,256	334,386	348,689
Population 12-14	166,255	166,048	175,786	159,346	167,888
Population 15-17	135,875	173,855	166,169	175,534	162,988

Table 16: Dashboard for the implications of population dynamics on sustainable development, Erbil

Age group	2020 to 2030	2030 to 2040	Program
Population 0-4	-3.5	6.9	Childcare
Population 5-14	0.2	2.7	Adolescence programs
Population 15-24	27.5	0.2	Youth programs & employment
Population 15-64	**32.5**	23.3	Employment
Population 65+	**72.2**	**42.2**	Elderly care & geriatrics
Females 15-49	28.0	15.8	Reproductive health
Population 6-11	-2.2	5.6	Education
Population 12-14	5.7	-4.5	Education
Population 15-17	22.3	-1.9	Education

	Room for improving quality or equity
	More resources needed to improve quality or equity
	Maintaining service delivery is challenging
	Maintaining service delivery is extremely challenging

Population projections for Erbil's districts

Table 17: Population projections, Erbil 2025-2040, district level

Erbil		Erbil	Rawandoz	Koya	Choman	Khabat	Binaslawa	Soran	Shaqlawa	Makhmour	Mergasoor	Total
2025												
Total population	Urban	1,060,453	18,635	104,063	21,024	94,028	234,258	177,730	126,055	45,434	21,896	1,903,576
	Rural	91,543	12,301	32,171	17,046	40,265	35,159	48,834	56,230	208,475	42,715	584,739
	Total	1,151,996	30,936	136,233	38,070	134,293	269,417	226,564	182,285	253,909	64,611	2,488,315
Male	Urban	535,998	9,419	52,598	10,627	47,526	118,404	89,832	63,713	22,964	11,067	962,149
	Rural	46,270	6,218	16,261	8,616	20,352	17,771	24,683	28,421	105,372	21,590	295,552
	Total	582,268	15,636	68,858	19,242	67,877	136,175	114,515	92,135	128,336	32,657	1,257,701
Female	Urban	524,455	9,216	51,465	10,398	46,502	115,854	87,898	62,341	22,470	10,829	941,428
	Rural	45,273	6,084	15,910	8,430	19,913	17,388	24,151	27,809	103,103	21,125	289,187
	Total	569,728	15,300	67,375	18,828	66,416	133,242	112,049	90,151	125,572	31,954	1,230,615
Population 0-4	Urban	115,059	2,022	11,291	2,281	10,202	25,417	19,284	13,677	4,930	2,376	206,538
	Rural	9,932	1,335	3,491	1,850	4,369	3,815	5,299	6,101	22,620	4,635	63,444
	Total	124,991	3,357	14,781	4,131	14,571	29,232	24,582	19,778	27,549	7,010	269,982
Population 5-14	Urban	242,950	4,269	23,841	4,817	21,542	53,669	40,718	28,879	10,409	5,016	436,109
	Rural	20,972	2,818	7,370	3,905	9,225	8,055	11,188	12,882	47,762	9,786	133,964
	Total	263,922	7,087	31,211	8,722	30,767	61,724	51,906	41,762	58,170	14,802	570,073
Population 15-24	Urban	213,787	3,757	20,979	4,238	18,956	47,226	35,830	25,413	9,159	4,414	383,761
	Rural	18,455	2,480	6,486	3,437	8,117	7,088	9,845	11,336	42,029	8,611	117,883
	Total	232,242	6,237	27,465	7,675	27,073	54,314	45,675	36,749	51,188	13,026	501,644

Population 15-64	**Urban**	659,072	11,581	64,675	13,067	58,439	145,592	110,459	78,343	28,237	13,608	1,183,072
	Rural	56,894	7,645	19,994	10,594	25,025	21,851	30,350	34,947	129,567	26,547	363,416
	Total	715,965	19,227	84,669	23,661	83,463	167,443	140,810	113,290	157,804	40,156	1,546,488
Population 65+	**Urban**	43,372	762	4,256	860	3,846	9,581	7,269	5,156	1,858	896	77,856
	Rural	3,744	503	1,316	697	1,647	1,438	1,997	2,300	8,527	1,747	23,916
	Total	47,117	1,265	5,572	1,557	5,493	11,019	9,266	7,455	10,385	2,643	101,772
Females 15-49	**Urban**	281,318	4,943	27,606	5,577	24,944	62,144	47,148	33,440	12,053	5,809	504,982
	Rural	24,285	3,263	8,534	4,522	10,681	9,327	12,955	14,917	55,304	11,331	155,120
	Total	305,602	8,207	36,140	10,099	35,625	71,471	60,103	48,357	67,357	17,140	660,102
Population 6-11	**Urban**	147,752	2,596	14,499	2,929	13,101	32,639	24,763	17,563	6,330	3,051	265,223
	Rural	12,755	1,714	4,482	2,375	5,610	4,899	6,804	7,835	29,047	5,951	81,471
	Total	160,506	4,310	18,981	5,304	18,711	37,538	31,567	25,398	35,377	9,002	346,694
Population 12-14	**Urban**	70,765	1,244	6,944	1,403	6,275	15,632	11,860	8,412	3,032	1,461	127,028
	Rural	6,109	821	2,147	1,138	2,687	2,346	3,259	3,752	13,912	2,850	39,020
	Total	76,874	2,064	9,091	2,540	8,962	17,979	15,119	12,164	16,944	4,312	166,048
Population 15-17	**Urban**	74,092	1,302	7,271	1,469	6,570	16,367	12,418	8,807	3,174	1,530	133,000
	Rural	6,396	859	2,248	1,191	2,813	2,456	3,412	3,929	14,566	2,984	40,855
	Total	80,488	2,161	9,518	2,660	9,383	18,824	15,830	12,736	17,740	4,514	173,855
Births	**Urban**	24,100	423	2,365	478	2,137	5,324	4,039	2,865	1,033	498	43,261
	Rural	2,080	280	731	387	915	799	1,110	1,278	4,738	971	13,289
	Total	26,181	703	3,096	865	3,052	6,123	5,149	4,143	5,770	1,468	56,550
Deaths	**Urban**	3,748	66	368	74	332	828	628	446	161	77	6,728
	Rural	324	43	114	60	142	124	173	199	737	151	2,067
	Total	4,072	109	482	135	475	952	801	644	897	228	8,795

Erbil											
		Erbil	**Rawandoz**	**Koya**	**Choman**	**Khabat**	**Binaslawa**	**Soran**	**Shaqlawa**	**Makhmour**	**Mergasor**	**Total**
2030												
Total population	Urban	1,164,281	20,459	114,251	23,083	103,235	257,195	195,131	138,397	49,882	24,040	2,089,954
	Rural	100,506	13,506	35,321	18,715	44,207	38,601	53,616	61,736	228,887	46,897	641,991
	Total	1,264,787	33,965	149,572	41,798	147,442	295,796	248,747	200,133	278,769	70,937	2,731,945
Male	Urban	589,071	10,351	57,806	11,679	52,232	130,128	98,727	70,022	25,238	12,163	1,057,416
	Rural	50,851	6,833	17,871	9,469	22,367	19,530	27,127	31,235	115,806	23,728	324,817
	Total	639,922	17,185	75,676	21,148	74,598	149,658	125,854	101,258	141,044	35,891	1,382,233
Female	Urban	575,211	10,108	56,446	11,404	51,003	127,067	96,404	68,375	24,644	11,877	1,032,538
	Rural	49,655	6,672	17,450	9,246	21,840	19,071	26,489	30,501	113,081	23,170	317,175
	Total	624,866	16,780	73,896	20,650	72,843	146,137	122,893	98,875	137,725	35,046	1,349,713
Population 0-4	Urban	120,852	2,124	11,859	2,396	10,716	26,697	20,255	14,366	5,178	2,495	216,937
	Rural	10,432	1,402	3,666	1,943	4,589	4,007	5,565	6,408	23,758	4,868	66,639
	Total	131,285	3,526	15,526	4,339	15,304	30,704	25,820	20,774	28,936	7,363	283,576
Population 5-14	Urban	239,144	4,202	23,467	4,741	21,204	52,828	40,080	28,427	10,246	4,938	429,277
	Rural	20,644	2,774	7,255	3,844	9,080	7,929	11,013	12,681	47,013	9,633	131,865
	Total	259,787	6,976	30,722	8,585	30,285	60,757	51,093	41,107	57,259	14,571	561,142
Population 15-24	Urban	238,096	4,184	23,364	4,720	21,111	52,596	39,904	28,302	10,201	4,916	427,396
	Rural	20,553	2,762	7,223	3,827	9,040	7,894	10,964	12,625	46,807	9,590	131,287
	Total	258,649	6,946	30,587	8,548	30,152	60,490	50,869	40,927	57,008	14,507	558,683
Population 15-64	Urban	745,489	13,100	73,155	14,780	66,101	164,682	124,943	88,615	31,939	15,393	1,338,197
	Rural	64,354	8,648	22,616	11,983	28,306	24,716	34,330	39,530	146,556	30,028	411,067
	Total	809,843	21,748	95,771	26,763	94,407	189,398	159,273	128,145	178,496	45,421	1,749,264

Population 65+	Urban	58,912	1,035	5,781	1,168	5,224	13,014	9,874	7,003	2,524	1,216	105,751
	Rural	5,086	683	1,787	947	2,237	1,953	2,713	3,124	11,582	2,373	32,485
	Total	63,998	1,719	7,568	2,115	7,461	14,967	12,587	10,127	14,106	3,589	138,236
Females 15-49	Urban	312,167	5,485	30,633	6,189	27,679	68,959	52,319	37,107	13,374	6,446	560,358
	Rural	26,948	3,621	9,470	5,018	11,853	10,350	14,375	16,553	61,369	12,574	172,131
	Total	339,115	9,107	40,103	11,207	39,532	79,309	66,694	53,660	74,743	19,020	732,489
Population 6-11	Urban	140,746	2,473	13,811	2,790	12,480	31,091	23,589	16,730	6,030	2,906	252,648
	Rural	12,150	1,633	4,270	2,262	5,344	4,666	6,481	7,463	27,669	5,669	77,608
	Total	152,896	4,106	18,081	5,053	17,824	35,758	30,070	24,193	33,699	8,575	330,256
Population 12-14	Urban	74,915	1,316	7,351	1,485	6,643	16,549	12,556	8,905	3,210	1,547	134,477
	Rural	6,467	869	2,273	1,204	2,844	2,484	3,450	3,972	14,728	3,018	41,309
	Total	81,382	2,185	9,624	2,689	9,487	19,033	16,006	12,877	17,937	4,564	175,786
Population 15-17	Urban	70,817	1,244	6,949	1,404	6,279	15,644	11,869	8,418	3,034	1,462	127,120
	Rural	6,113	821	2,148	1,138	2,689	2,348	3,261	3,755	13,922	2,853	39,049
	Total	76,930	2,066	9,098	2,542	8,968	17,992	15,130	12,173	16,956	4,315	166,169
Births	Urban	25,119	441	2,465	498	2,227	5,549	4,210	2,986	1,076	519	45,089
	Rural	2,168	291	762	404	954	833	1,157	1,332	4,938	1,012	13,851
	Total	27,287	733	3,227	902	3,181	6,382	5,367	4,318	6,014	1,530	58,940
Deaths	Urban	4,119	72	404	82	365	910	690	490	176	85	7,395
	Rural	356	48	125	66	156	137	190	218	810	166	2,271
	Total	4,475	120	529	148	522	1,047	880	708	986	251	9,666

Erbil											
		Erbil	Rawandoz	Koya	Choman	Khabat	Binaslawa	Soran	Shaqlawa	Makhmour	Mergasor	Total
2035												
Total population	Urban	1,270,640	22,328	124,688	25,191	112,665	280,690	212,957	151,039	54,439	26,236	2,280,873
	Rural	109,687	14,739	38,547	20,425	48,245	42,127	58,513	67,376	249,796	51,181	700,638
	Total	1,380,327	37,068	163,236	45,616	160,911	322,817	271,470	218,415	304,234	77,417	2,981,511
Male	Urban	643,389	11,306	63,136	12,756	57,048	142,127	107,831	76,479	27,565	13,285	1,154,922
	Rural	55,540	7,463	19,518	10,342	24,429	21,331	29,628	34,116	126,484	25,916	354,768
	Total	698,929	18,769	82,654	23,098	81,477	163,459	137,459	110,595	154,049	39,200	1,509,690
Female	Urban	627,250	11,022	61,552	12,436	55,617	138,562	105,126	74,560	26,874	12,951	1,125,951
	Rural	54,147	7,276	19,029	10,083	23,816	20,796	28,885	33,260	123,311	25,266	345,869
	Total	681,397	18,298	80,581	22,518	79,433	159,358	134,011	107,820	150,185	38,217	1,471,820
Population 0-4	Urban	125,666	2,208	12,332	2,491	11,143	27,760	21,061	14,938	5,384	2,595	225,578
	Rural	10,848	1,458	3,812	2,020	4,771	4,166	5,787	6,663	24,705	5,062	69,293
	Total	136,514	3,666	16,144	4,511	15,914	31,927	26,848	21,601	30,089	7,657	294,871
Population 5-14	Urban	234,941	4,128	23,055	4,658	20,832	51,899	39,376	27,927	10,066	4,851	421,733
	Rural	20,281	2,725	7,127	3,777	8,921	7,789	10,819	12,458	46,187	9,463	129,548
	Total	255,222	6,854	30,182	8,434	29,752	59,689	50,195	40,385	56,253	14,314	551,281
Population 15-24	Urban	242,311	4,258	23,778	4,804	21,485	53,528	40,611	28,803	10,381	5,003	434,962
	Rural	20,917	2,811	7,351	3,895	9,200	8,034	11,159	12,849	47,636	9,760	133,612
	Total	263,228	7,069	31,129	8,699	30,686	61,561	51,769	41,652	58,017	14,764	568,574
Population 15-64	Urban	844,086	14,833	82,830	16,735	74,844	186,462	141,467	100,335	36,164	17,429	1,515,184
	Rural	72,865	9,791	25,607	13,568	32,049	27,985	38,870	44,758	165,939	34,000	465,434
	Total	916,951	24,624	108,437	30,303	106,893	214,447	180,338	145,093	202,103	51,428	1,980,618

Population 65+	Urban	66,073	1,161	6,484	1,310	5,859	14,596	11,074	7,854	2,831	1,364	118,606
	Rural	5,704	766	2,004	1,062	2,509	2,191	3,043	3,504	12,989	2,661	36,433
	Total	71,777	1,928	8,488	2,372	8,367	16,787	14,116	11,358	15,820	4,026	155,039
Females 15-49	Urban	342,353	6,016	33,595	6,787	30,356	75,627	57,378	40,695	14,668	7,069	614,544
	Rural	29,553	3,971	10,386	5,503	12,999	11,351	15,765	18,153	67,303	13,790	188,775
	Total	371,906	9,987	43,981	12,291	43,355	86,978	73,143	58,848	81,971	20,859	803,319
Population 6-11	Urban	142,506	2,504	13,984	2,825	12,636	31,480	23,884	16,940	6,105	2,942	255,807
	Rural	12,302	1,653	4,323	2,291	5,411	4,725	6,562	7,556	28,015	5,740	78,579
	Total	154,808	4,157	18,307	5,116	18,047	36,205	30,446	24,496	34,121	8,683	334,386
Population 12-14	Urban	67,909	1,193	6,664	1,346	6,021	15,001	11,381	8,072	2,909	1,402	121,901
	Rural	5,862	788	2,060	1,092	2,578	2,251	3,127	3,601	13,350	2,735	37,445
	Total	73,771	1,981	8,724	2,438	8,600	17,253	14,509	11,673	16,260	4,138	159,346
Population 15-17	Urban	74,808	1,315	7,341	1,483	6,633	16,525	12,538	8,892	3,205	1,545	134,285
	Rural	6,458	868	2,269	1,203	2,840	2,480	3,445	3,967	14,707	3,013	41,249
	Total	81,266	2,182	9,610	2,686	9,473	19,006	15,983	12,859	17,912	4,558	175,534
Births	Urban	25,998	457	2,551	515	2,305	5,743	4,357	3,090	1,114	537	46,668
	Rural	2,244	302	789	418	987	862	1,197	1,379	5,111	1,047	14,336
	Total	28,243	758	3,340	933	3,292	6,605	5,554	4,469	6,225	1,584	61,004
Deaths	Urban	4,589	81	450	91	407	1,014	769	545	197	95	8,238
	Rural	396	53	139	74	174	152	211	243	902	185	2,530
	Total	4,985	134	590	165	581	1,166	980	789	1,099	280	10,768

		Erbil									
		Erbil	**Rawandoz**	**Koya**	**Choman**	**Khabat**	**Binaslawa**	**Soran**	**Shaqlawa**	**Makhmour**	**Mergasoor**	**Total**
2040												
Total population	Urban	1,377,457	24,205	135,170	27,309	122,136	304,286	230,859	163,737	59,015	28,442	2,472,617
	Rural	118,908	15,979	41,788	22,142	52,301	45,669	63,432	73,040	270,795	55,484	759,537
	Total	1,496,365	40,184	176,958	49,451	174,438	349,955	294,292	236,776	329,810	83,926	3,232,154
Male	Urban	697,950	12,265	68,490	13,837	61,886	154,180	116,975	82,964	29,903	14,411	1,252,862
	Rural	60,250	8,096	21,174	11,219	26,501	23,140	32,141	37,009	137,210	28,113	384,854
	Total	758,200	20,361	89,664	25,057	88,387	177,320	149,116	119,973	167,113	42,525	1,637,716
Female	Urban	679,507	11,940	66,680	13,472	60,251	150,106	113,884	80,772	29,112	14,030	1,219,754
	Rural	58,658	7,882	20,614	10,923	25,800	22,529	31,292	36,031	133,585	27,371	374,684
	Total	738,164	19,823	87,294	24,394	86,051	172,635	145,176	116,803	162,697	41,401	1,594,438
Population 0-4	Urban	129,205	2,270	12,679	2,562	11,456	28,542	21,655	15,358	5,536	2,668	231,931
	Rural	11,154	1,499	3,920	2,077	4,906	4,284	5,950	6,851	25,401	5,204	71,245
	Total	140,359	3,769	16,599	4,639	16,362	32,826	27,605	22,210	30,936	7,872	303,176
Population 5-14	Urban	245,601	4,316	24,101	4,869	21,777	54,254	41,162	29,194	10,522	5,071	440,868
	Rural	21,201	2,849	7,451	3,948	9,325	8,143	11,310	13,023	48,283	9,893	135,425
	Total	266,802	7,165	31,552	8,817	31,102	62,397	52,472	42,217	58,805	14,964	576,293
Population 15-24	Urban	238,576	4,192	23,411	4,730	21,154	52,702	39,985	28,359	10,221	4,926	428,257
	Rural	20,595	2,767	7,238	3,835	9,059	7,910	10,986	12,650	46,902	9,610	131,552
	Total	259,170	6,960	30,649	8,565	30,213	60,612	50,971	41,010	57,123	14,536	559,809
Population 15-64	Urban	918,902	16,147	90,172	18,218	81,477	202,989	154,006	109,229	39,369	18,973	1,649,483
	Rural	79,323	10,659	27,877	14,771	34,890	30,466	42,316	48,725	180,647	37,013	506,687
	Total	998,225	26,806	118,049	32,989	116,367	233,455	196,322	157,953	220,016	55,987	2,156,170

Population 65+	**Urban**	83,749	1,472	8,218	1,660	7,426	18,501	14,036	9,955	3,588	1,729	150,335
	Rural	7,230	971	2,541	1,346	3,180	2,777	3,857	4,441	16,464	3,373	46,180
	Total	90,979	2,443	10,759	3,007	10,606	21,277	17,893	14,396	20,052	5,103	196,515
Females 15-49	**Urban**	361,362	6,350	35,461	7,164	32,041	79,826	60,564	42,955	15,482	7,461	648,665
	Rural	31,194	4,192	10,963	5,809	13,721	11,981	16,641	19,161	71,040	14,556	199,257
	Total	392,556	10,542	46,423	12,973	45,762	91,807	77,204	62,116	86,522	22,017	847,922
Population 6-11	**Urban**	148,602	2,611	14,582	2,946	13,176	32,827	24,905	17,664	6,367	3,068	266,749
	Rural	12,828	1,724	4,508	2,389	5,642	4,927	6,843	7,880	29,214	5,986	81,940
	Total	161,430	4,335	19,090	5,335	18,819	37,754	31,749	25,544	35,580	9,054	348,689
Population 12-14	**Urban**	71,549	1,257	7,021	1,419	6,344	15,806	11,992	8,505	3,065	1,477	128,435
	Rural	6,176	830	2,171	1,150	2,717	2,372	3,295	3,794	14,066	2,882	39,453
	Total	77,726	2,087	9,192	2,569	9,061	18,178	15,286	12,299	17,131	4,359	167,888
Population 15-17	**Urban**	69,461	1,221	6,816	1,377	6,159	15,344	11,642	8,257	2,976	1,434	124,687
	Rural	5,996	806	2,107	1,117	2,637	2,303	3,199	3,683	13,655	2,798	38,301
	Total	75,457	2,026	8,923	2,494	8,796	17,647	14,840	11,940	16,631	4,232	162,988
Births	**Urban**	26,492	466	2,600	525	2,349	5,852	4,440	3,149	1,135	547	47,554
	Rural	2,287	307	804	426	1,006	878	1,220	1,405	5,208	1,067	14,608
	Total	28,779	773	3,403	951	3,355	6,730	5,660	4,554	6,343	1,614	62,162
Deaths	**Urban**	5,264	92	517	104	467	1,163	882	626	226	109	9,449
	Rural	454	61	160	85	200	175	242	279	1,035	212	2,902
	Total	5,718	154	676	189	667	1,337	1,125	905	1,260	321	12,351

Population projections for Sulaymaniyah Governorate

The Sulaymaniyah Governorate lies at the eastern side of the Kurdistan Region of Iraq, bordering with Iran. The southern part of the governorate comprises the Garmian Administration (the districts of Kalar and Kifri and a part of Khanaqeen which originally belongs to Diyala governorate). Since 2012, Sulaymaniyah has gradually received Syrian refugees that were moving from their displacement in the Duhok and Erbil Governorates. Since 2003, families displaced from the neighboring central governorates of Kirkuk, Salahaddin, and Diyala have also sought shelter in Sulaymaniyah's districts. The Sulaymaniyah's population estimate in 2020 is nearly 2.15 million.

Table 18: Main results from population projections, medium variant fertility scenario, Sulaymaniyah

	2025	2030	2035	2040
Total population	2,348,728	2,549,373	2,748,771	2,938,720
Male	1,177,123	1,279,597	1,381,250	1,478,122
Female	1,171,606	1,269,775	1,367,521	1,460,597
Percent 0-4	10.12	9.61	9.04	8.38
Percent 5-14	19.98	18.51	17.49	16.73
Percent 15-24	19.75	18.93	17.03	16.02
Percent 15-49	56	55.06	54.19	53.12
Percent 15-64	64.98	65.71	67.27	67.67
Percent 65 and over	4.93	6.17	6.2	7.22
Percent females 15-49	55.43	54.45	53.33	51.98
Births	49,392	50,535	50,755	49,806
Deaths	9,636	10,303	11,288	12,978

Table 19: Indicators resulting from population projections, medium variant fertility scenario, Sulaymaniyah

	2025	2030	2035	2040
Sex ratio	100.47	100.77	101	101.2
Dependency ratio	0.54	0.52	0.49	0.48
Median age	25	27	29	31
Crude birth rate	21	19.8	18.5	16.9
Gross reproduction rate	1.27	1.21	1.15	1.09
Net reproduction rate	1.22	1.17	1.11	1.06
Child-woman ratio	0.37	0.35	0.34	0.32
Crude death rate	4.1	4	4.1	4.4
Infant mortality rate	22.2	20.2	18.4	16.8
Under-five mortality rate	27.1	24.6	22.4	20.4
Rate of natural increase	1.69	1.58	1.44	1.25
Doubling time	41.3	44.3	48.6	55.7

Table 20: Dependency ratio by fertility variant 2020-2040, Sulaymaniyah

	Low	Medium	High
2020	61.0%	61.0%	61.0%
2025	53.0%	54.0%	54.0%
2030	50.0%	52.0%	53.0%
2035	45.0%	49.0%	51.0%
2040	43.0%	48.0%	51.0%

Figure 5: Population pyramid medium fertility variant, Sulaymaniyah 2030
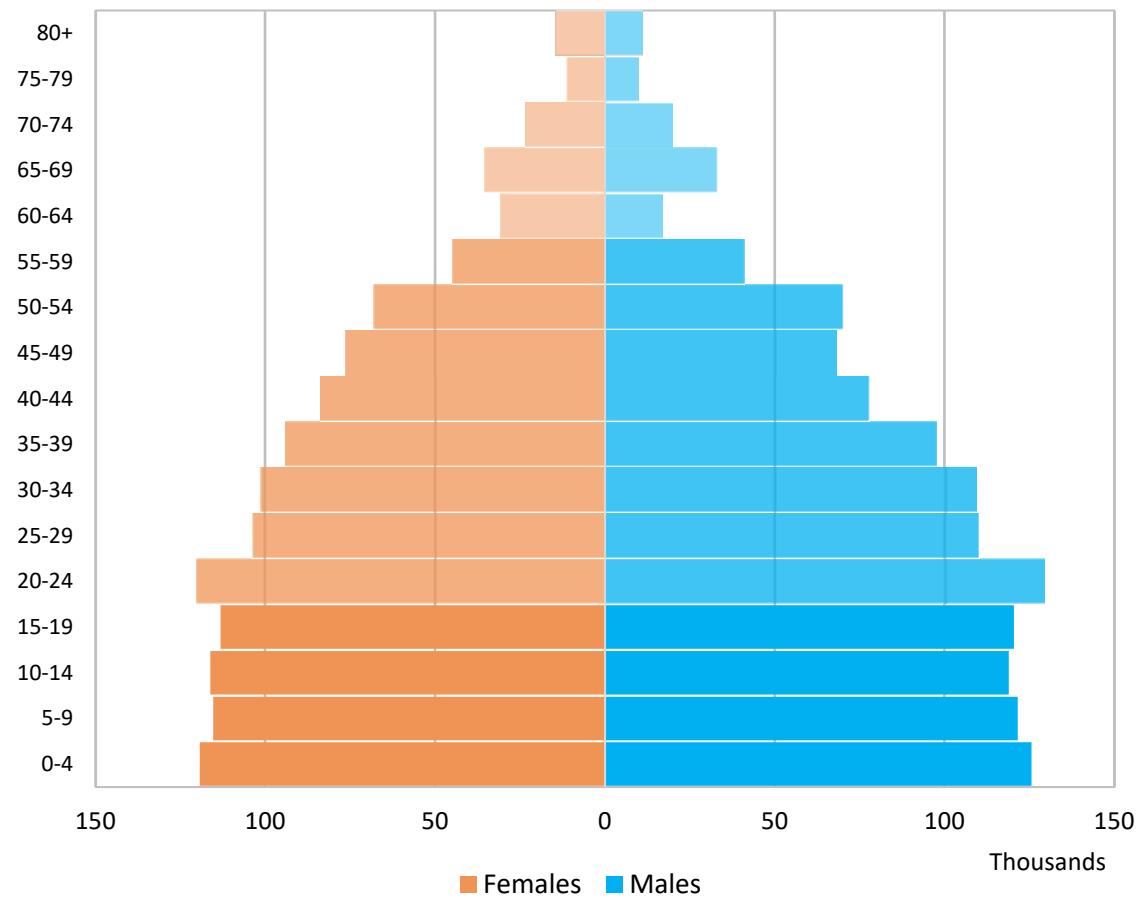
Figure 6: Population pyramid medium fertility variant, Sulaymaniyah 2040
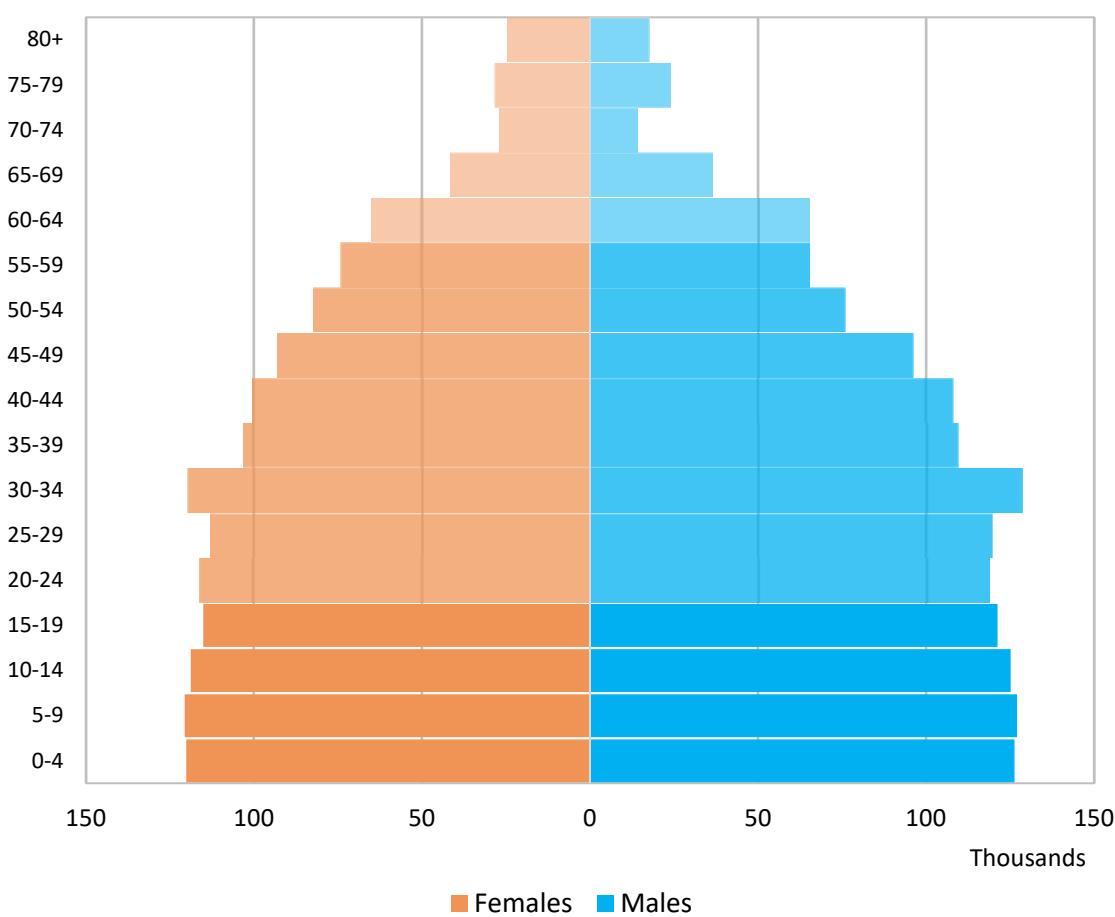
Table 21: Population projections for selected age groups
medium variant fertility scenario 2020 to 2040, Sulaymaniyah

	2020	2025	2030	2035	2040
Population 0-4	236,355	237,691	244,995	248,489	246,265
Population 5-14	484,119	469,276	471,889	480,760	491,648
Population 15-24	426,214	463,874	482,596	468,116	470,783
Population 15-64	1,339,992	1,526,203	1,675,193	1,849,098	1,988,632
Population 65+	92,131	115,792	157,296	170,424	212,176
Females 15-49	577,794	649,421	691,392	729,299	759,218
Population 6-11	288,420	276,390	287,983	290,511	296,330
Population 12-14	149,253	141,377	135,886	140,877	145,614
Population 15-17	131,031	151,715	138,507	145,339	142,893

Table 22: Dashboard for the implications of population dynamics on sustainable development, Sulaymaniyah

Age group	2020 to 2030	2030 to 2040	Program
Population 0-4	3.7	0.5	Childcare
Population 5-14	-2.5	4.2	Adolescence programs
Population 15-24	13.2	-2.4	Youth programs & employment
Population 15-64	25.0	18.7	Employment
Population 65+	70.7	34.9	Elderly care & geriatrics
Females 15-49	19.7	9.8	Reproductive health
Population 6-11	-0.2	2.9	Education
Population 12-14	-9.0	7.2	Education
Population 15-17	5.7	3.2	Education

	Room for improving quality or equity
	More resources needed to improve quality or equity
	Maintaining service delivery is challenging
	Maintaining service delivery is extremely challenging

Population projections for Sulaymaniyah's districts

Table 23: Population projections, Sulaymaniyah 2025-2040, district level

Sulaymaniyah		Sulaymaniyah	Pshdar	Penjween	Chamchamal	Khanaqeen	Darbandikhan	Dukan	Ranya	Said Sadiq	Sharbazher	Sharazoor	Qaradagh	Kalar	Kifry	Mawat	Total
2025																	
Total pop.	Urban	925,605	111,542	28,815	171,644	1,469	52,881	51,214	238,913	71,408	8,060	70,129	3,113	215,245	42,796	1,769	1,994,602
	Rural	80,494	37,906	23,893	22,835	14,243	4,798	31,324	31,328	28,760	16,288	10,276	9,328	13,491	20,143	9,019	354,126
	Total	1,006,098	149,449	52,708	194,479	15,712	57,679	82,537	270,241	100,168	24,348	80,405	12,441	228,736	62,939	10,788	2,348,728
Male	Urban	463,890	55,902	14,441	86,024	736	26,503	25,667	119,737	35,788	4,040	35,147	1,560	107,875	21,448	886	999,644
	Rural	40,341	18,998	11,975	11,444	7,138	2,404	15,699	15,701	14,414	8,163	5,150	4,675	6,761	10,095	4,520	177,479
	Total	504,231	74,900	26,416	97,468	7,874	28,907	41,366	135,438	50,201	12,203	40,297	6,235	114,637	31,543	5,407	1,177,123
Female	Urban	461,715	55,640	14,374	85,621	733	26,378	25,547	119,176	35,620	4,021	34,982	1,553	107,370	21,348	882	994,959
	Rural	40,152	18,909	11,919	11,391	7,105	2,393	15,625	15,627	14,346	8,125	5,126	4,653	6,729	10,048	4,499	176,647
	Total	501,868	74,549	26,292	97,011	7,838	28,772	41,172	134,803	49,966	12,146	40,108	6,206	114,099	31,395	5,381	1,171,606
Pop. 0-4	Urban	93,671	11,288	2,916	17,370	149	5,352	5,183	24,178	7,226	816	7,097	315	21,783	4,331	179	201,854
	Rural	8,146	3,836	2,418	2,311	1,441	486	3,170	3,170	2,910	1,648	1,040	944	1,365	2,038	913	35,837
	Total	101,817	15,124	5,334	19,681	1,590	5,837	8,353	27,348	10,137	2,464	8,137	1,259	23,148	6,369	1,092	237,691
Pop. 5-14	Urban	184,936	22,286	5,757	34,295	293	10,566	10,232	47,735	14,267	1,610	14,012	622	43,006	8,551	353	398,522
	Rural	16,083	7,574	4,774	4,562	2,846	959	6,258	6,259	5,746	3,254	2,053	1,864	2,695	4,025	1,802	70,754
	Total	201,019	29,860	10,531	38,857	3,139	11,524	16,491	53,994	20,013	4,865	16,065	2,486	45,701	12,575	2,155	469,276
Pop. 15-24	Urban	182,807	22,030	5,691	33,900	290	10,444	10,115	47,185	14,103	1,592	13,851	615	42,511	8,452	349	393,934
	Rural	15,898	7,487	4,719	4,510	2,813	948	6,186	6,187	5,680	3,217	2,030	1,842	2,664	3,978	1,781	69,940
	Total	198,705	29,516	10,410	38,410	3,103	11,392	16,301	53,373	19,783	4,809	15,880	2,457	45,175	12,430	2,131	463,874

Pop. 15-64	Urban	601,458	72,480	18,724	111,534	954	34,362	33,279	155,245	46,401	5,237	45,570	2,023	139,866	27,809	1,149	1,296,092
	Rural	52,305	24,632	15,526	14,838	9,255	3,117	20,354	20,357	18,688	10,584	6,677	6,061	8,766	13,089	5,861	230,111
	Total	653,762	97,112	34,250	126,373	10,210	37,479	53,633	175,602	65,089	15,821	52,247	8,084	148,632	40,898	7,010	1,526,203
Pop. 65+	Urban	45,632	5,499	1,421	8,462	72	2,607	2,525	11,778	3,520	397	3,457	153	10,612	2,110	87	98,334
	Rural	3,968	1,869	1,178	1,126	702	237	1,544	1,544	1,418	803	507	460	665	993	445	17,458
	Total	49,601	7,368	2,599	9,588	775	2,844	4,069	13,323	4,938	1,200	3,964	613	11,277	3,103	532	115,792
Females 15-49	Urban	255,929	30,841	7,967	47,459	406	14,622	14,161	66,059	19,744	2,229	19,391	861	59,515	11,833	489	551,506
	Rural	22,256	10,481	6,606	6,314	3,938	1,327	8,661	8,662	7,952	4,504	2,841	2,579	3,730	5,570	2,494	97,915
	Total	278,185	41,322	14,574	53,773	4,344	15,948	22,822	74,721	27,696	6,732	22,232	3,440	63,245	17,403	2,983	649,421
Pop. 6-11	Urban	108,922	13,126	3,391	20,198	173	6,223	6,027	28,114	8,403	948	8,253	366	25,329	5,036	208	234,718
	Rural	9,472	4,461	2,812	2,687	1,676	565	3,686	3,687	3,384	1,917	1,209	1,098	1,588	2,370	1,061	41,672
	Total	118,394	17,587	6,203	22,886	1,849	6,787	9,713	31,801	11,787	2,865	9,462	1,464	26,917	7,406	1,269	276,390
Pop. 12-14	Urban	55,715	6,714	1,734	10,332	88	3,183	3,083	14,381	4,298	485	4,221	187	12,956	2,576	106	120,061
	Rural	4,845	2,282	1,438	1,374	857	289	1,885	1,886	1,731	980	619	561	812	1,212	543	21,316
	Total	60,560	8,996	3,173	11,706	946	3,472	4,968	16,267	6,029	1,466	4,840	749	13,768	3,788	649	141,377
Pop. 15-17	Urban	59,789	7,205	1,861	11,087	95	3,416	3,308	15,432	4,613	521	4,530	201	13,904	2,764	114	128,840
	Rural	5,199	2,449	1,543	1,475	920	310	2,023	2,024	1,858	1,052	664	603	871	1,301	583	22,875
	Total	64,988	9,654	3,405	12,562	1,015	3,726	5,331	17,456	6,470	1,573	5,194	804	14,775	4,066	697	151,715
Births	Urban	19,465	2,346	606	3,610	31	1,112	1,077	5,024	1,502	169	1,475	65	4,526	900	37	41,945
	Rural	1,693	797	502	480	300	101	659	659	605	343	216	196	284	424	190	7,447
	Total	21,157	3,143	1,108	4,090	330	1,213	1,736	5,683	2,106	512	1,691	262	4,810	1,324	227	49,392
Deaths	Urban	3,797	458	118	704	6	217	210	980	293	33	288	13	883	176	7	8,183
	Rural	330	156	98	94	58	20	129	129	118	67	42	38	55	83	37	1,453
	Total	4,128	613	216	798	64	237	339	1,109	411	100	330	51	938	258	44	9,636

		Sulaymaniyah	Pshdar	Penjween	Chamchamal	Khanaqeen	Darbandikhan	Dukan	Ranya	Said Sadiq	Sharbazher	Sharazoor	Qaradagh	Kalar	Kifry	Mawat	Total
2030																	
Total pop.	Urban	1,004,676	121,071	31,277	186,307	1,594	57,398	55,589	259,322	77,508	8,749	76,120	3,379	233,633	46,452	1,920	2,164,995
	Rural	87,370	41,145	25,934	24,786	15,460	5,207	34,000	34,004	31,216	17,680	11,154	10,125	14,643	21,864	9,790	384,378
	Total	1,092,046	162,216	57,211	211,093	17,054	62,606	89,588	293,327	108,725	26,428	87,274	13,504	248,276	68,315	11,709	2,549,373
Male	Urban	504,273	60,769	15,699	93,513	800	28,810	27,901	130,161	38,903	4,391	38,207	1,696	117,267	23,315	964	1,086,668
	Rural	43,853	20,652	13,017	12,441	7,760	2,614	17,065	17,068	15,668	8,874	5,598	5,082	7,350	10,974	4,914	192,929
	Total	548,127	81,420	28,716	105,953	8,560	31,423	44,967	147,228	54,572	13,265	43,805	6,778	124,616	34,289	5,877	1,279,597
Female	Urban	500,403	60,302	15,578	92,795	794	28,589	27,687	129,162	38,605	4,357	37,913	1,683	116,366	23,136	956	1,078,327
	Rural	43,517	20,493	12,917	12,345	7,700	2,594	16,934	16,937	15,548	8,806	5,555	5,043	7,293	10,890	4,876	191,448
	Total	543,919	80,795	28,495	105,140	8,494	31,182	44,622	146,098	54,153	13,163	43,469	6,726	123,660	34,026	5,832	1,269,775
Pop. 0-4	Urban	96,549	11,635	3,006	17,904	153	5,516	5,342	24,921	7,449	841	7,315	325	22,452	4,464	184	208,056
	Rural	8,396	3,954	2,492	2,382	1,486	500	3,267	3,268	3,000	1,699	1,072	973	1,407	2,101	941	36,939
	Total	104,946	15,589	5,498	20,286	1,639	6,016	8,609	28,189	10,448	2,540	8,387	1,298	23,859	6,565	1,125	244,995
Pop. 5-14	Urban	185,966	22,410	5,789	34,486	295	10,624	10,289	48,001	14,347	1,619	14,090	625	43,245	8,598	355	400,741
	Rural	16,172	7,616	4,800	4,588	2,862	964	6,293	6,294	5,778	3,272	2,065	1,874	2,710	4,047	1,812	71,148
	Total	202,138	30,026	10,590	39,073	3,157	11,588	16,583	54,295	20,125	4,892	16,154	2,500	45,956	12,645	2,167	471,889
Pop. 15-24	Urban	190,185	22,919	5,921	35,268	302	10,865	10,523	49,090	14,672	1,656	14,410	640	44,227	8,793	363	409,833
	Rural	16,539	7,789	4,909	4,692	2,927	986	6,436	6,437	5,909	3,347	2,111	1,917	2,772	4,139	1,853	72,763
	Total	206,724	30,707	10,830	39,960	3,228	11,851	16,959	55,527	20,582	5,003	16,521	2,556	46,999	12,932	2,217	482,596

Sulaymaniyah

Pop. 15-64	Urban	660,173	79,556	20,552	122,423	1,047	37,716	36,527	170,401	50,931	5,749	50,019	2,220	153,520	30,523	1,261	1,422,619
	Rural	57,411	27,036	17,041	16,287	10,159	3,422	22,341	22,344	20,512	11,617	7,329	6,653	9,622	14,367	6,433	252,574
	Total	717,584	106,592	37,593	138,709	11,206	41,138	58,868	192,745	71,443	17,366	57,348	8,873	163,142	44,890	7,694	1,675,193
Pop. 65+	Urban	61,988	7,470	1,930	11,495	98	3,541	3,430	16,000	4,782	540	4,697	208	14,415	2,866	118	133,580
	Rural	5,391	2,539	1,600	1,529	954	321	2,098	2,098	1,926	1,091	688	625	903	1,349	604	23,716
	Total	67,379	10,009	3,530	13,024	1,052	3,863	5,528	18,098	6,708	1,631	5,385	833	15,319	4,215	722	157,296
Females 15-49	Urban	272,469	32,835	8,482	50,527	432	15,566	15,076	70,328	21,020	2,373	20,644	916	63,361	12,598	521	587,148
	Rural	23,695	11,158	7,033	6,722	4,193	1,412	9,221	9,222	8,466	4,795	3,025	2,746	3,971	5,929	2,655	104,244
	Total	296,164	43,993	15,516	57,249	4,625	16,979	24,296	79,550	29,486	7,167	23,669	3,662	67,333	18,527	3,176	691,392
Pop. 6-11	Urban	113,491	13,676	3,533	21,046	180	6,484	6,279	29,294	8,756	988	8,599	382	26,392	5,247	217	244,563
	Rural	9,870	4,648	2,930	2,800	1,746	588	3,841	3,841	3,526	1,997	1,260	1,144	1,654	2,470	1,106	43,420
	Total	123,360	18,324	6,463	23,846	1,926	7,072	10,120	33,135	12,282	2,985	9,859	1,525	28,046	7,717	1,323	287,983
Pop. 12-14	Urban	53,551	6,453	1,667	9,931	85	3,059	2,963	13,822	4,131	466	4,057	180	12,453	2,476	102	115,398
	Rural	4,657	2,193	1,382	1,321	824	278	1,812	1,812	1,664	942	595	540	780	1,165	522	20,488
	Total	58,208	8,646	3,049	11,252	909	3,337	4,775	15,635	5,795	1,409	4,652	720	13,234	3,641	624	135,886
Pop. 15-17	Urban	54,584	6,578	1,699	10,122	87	3,118	3,020	14,089	4,211	475	4,136	184	12,693	2,524	104	117,624
	Rural	4,747	2,235	1,409	1,347	840	283	1,847	1,847	1,696	961	606	550	796	1,188	532	20,883
	Total	59,331	8,813	3,108	11,469	927	3,401	4,867	15,936	5,907	1,436	4,742	734	13,489	3,712	636	138,507
Births	Urban	19,915	2,400	620	3,693	32	1,138	1,102	5,140	1,536	173	1,509	67	4,631	921	38	42,916
	Rural	1,732	816	514	491	306	103	674	674	619	350	221	201	290	433	194	7,619
	Total	21,647	3,216	1,134	4,184	338	1,241	1,776	5,814	2,155	524	1,730	268	4,921	1,354	232	50,535
Deaths	Urban	4,060	489	126	753	6	232	225	1,048	313	35	308	14	944	188	8	8,750
	Rural	353	166	105	100	62	21	137	137	126	71	45	41	59	88	40	1,553
	Total	4,413	656	231	853	69	253	362	1,185	439	107	353	55	1,003	276	47	10,303

		Sulaymaniyah	Pshdar	Penjween	Chamchamal	Khanaqeen	Darbandikhan	Dukan	Ranya	Said Sadiq	Sharbazher	Sharazoor	Qaradagh	Kalar	Kifry	Mawat	Total
2035																	
Total pop.	Urban	1,083,257	130,541	33,723	200,879	1,719	61,888	59,937	279,605	83,570	9,433	82,074	3,643	251,907	50,085	2,070	2,334,330
	Rural	94,204	44,363	27,963	26,724	16,669	5,615	36,659	36,664	33,658	19,062	12,026	10,917	15,788	23,574	10,555	414,441
	Total	1,177,460	174,904	61,686	227,604	18,388	67,502	96,595	316,269	117,228	28,495	94,100	14,560	267,695	73,659	12,625	2,748,771
Male	Urban	544,333	65,596	16,946	100,941	864	31,098	30,118	140,501	41,994	4,740	41,242	1,831	126,582	25,167	1,040	1,172,994
	Rural	47,337	22,292	14,051	13,429	8,376	2,821	18,421	18,424	16,913	9,579	6,043	5,486	7,934	11,846	5,304	208,256
	Total	591,671	87,889	30,997	114,370	9,240	33,920	48,539	158,924	58,907	14,319	47,285	7,316	134,516	37,013	6,344	1,381,250
Female	Urban	538,923	64,944	16,777	99,938	855	30,789	29,819	139,104	41,577	4,693	40,832	1,812	125,324	24,917	1,030	1,161,335
	Rural	46,867	22,071	13,912	13,295	8,293	2,793	18,238	18,240	16,745	9,484	5,983	5,431	7,855	11,728	5,251	206,186
	Total	585,790	87,015	30,689	113,233	9,148	33,583	48,056	157,345	58,321	14,176	46,815	7,244	133,179	36,645	6,281	1,367,521
Pop. 0-4	Urban	97,926	11,801	3,049	18,160	155	5,595	5,418	25,276	7,555	853	7,419	329	22,772	4,528	187	211,023
	Rural	8,516	4,010	2,528	2,416	1,507	508	3,314	3,314	3,043	1,723	1,087	987	1,427	2,131	954	37,466
	Total	106,442	15,811	5,576	20,575	1,662	6,102	8,732	28,591	10,597	2,576	8,507	1,316	24,200	6,659	1,141	248,489
Pop. 5-14	Urban	189,462	22,832	5,898	35,134	301	10,824	10,483	48,903	14,616	1,650	14,355	637	44,058	8,760	362	408,274
	Rural	16,476	7,759	4,891	4,674	2,915	982	6,412	6,413	5,887	3,334	2,103	1,909	2,761	4,123	1,846	72,486
	Total	205,938	30,591	10,789	39,808	3,216	11,806	16,895	55,315	20,503	4,984	16,458	2,547	46,820	12,883	2,208	480,760
Pop. 15-24	Urban	184,479	22,231	5,743	34,210	293	10,539	10,207	47,617	14,232	1,606	13,977	620	42,900	8,529	353	397,537
	Rural	16,043	7,555	4,762	4,551	2,839	956	6,243	6,244	5,732	3,246	2,048	1,859	2,689	4,015	1,798	70,579
	Total	200,522	29,786	10,505	38,761	3,132	11,496	16,450	53,861	19,964	4,853	16,025	2,480	45,588	12,544	2,150	468,116

Category																	Total
Pop. 15-64	Urban	728,707	87,815	22,686	135,132	1,156	41,632	40,319	188,090	56,218	6,345	55,211	2,451	169,458	33,692	1,392	1,570,303
	Rural	63,371	29,843	18,811	17,977	11,214	3,777	24,660	24,664	22,642	12,823	8,090	7,344	10,621	15,858	7,101	278,795
	Total	792,077	117,658	41,496	153,109	12,370	45,409	64,980	212,754	78,860	19,169	63,301	9,794	180,078	49,550	8,493	1,849,098
Pop. 65+	Urban	67,162	8,094	2,091	12,455	107	3,837	3,716	17,336	5,181	585	5,089	226	15,618	3,105	128	144,729
	Rural	5,841	2,750	1,734	1,657	1,034	348	2,273	2,273	2,087	1,182	746	677	979	1,462	654	25,695
	Total	73,003	10,844	3,825	14,111	1,140	4,185	5,989	19,609	7,268	1,767	5,834	903	16,597	4,567	783	170,424
Females 15-49	Urban	287,408	34,635	8,947	53,297	456	16,420	15,902	74,184	22,173	2,503	21,776	967	66,835	13,288	549	619,340
	Rural	24,994	11,770	7,419	7,090	4,423	1,490	9,726	9,728	8,930	5,058	3,191	2,896	4,189	6,255	2,801	109,959
	Total	312,402	46,405	16,366	60,387	4,879	17,910	25,629	83,912	31,103	7,560	24,967	3,863	71,024	19,543	3,350	729,299
Pop. 6-11	Urban	114,487	13,797	3,564	21,230	182	6,541	6,335	29,551	8,832	997	8,674	385	26,623	5,293	219	246,710
	Rural	9,956	4,689	2,955	2,824	1,762	593	3,874	3,875	3,557	2,015	1,271	1,154	1,669	2,491	1,116	43,801
	Total	124,443	18,485	6,519	24,055	1,943	7,134	10,209	33,426	12,390	3,012	9,945	1,539	28,292	7,785	1,334	290,511
Pop. 12-14	Urban	55,518	6,690	1,728	10,295	88	3,172	3,072	14,330	4,283	483	4,206	187	12,910	2,567	106	119,637
	Rural	4,828	2,274	1,433	1,370	854	288	1,879	1,879	1,725	977	616	559	809	1,208	541	21,240
	Total	60,346	8,964	3,161	11,665	942	3,460	4,951	16,209	6,008	1,460	4,823	746	13,720	3,775	647	140,877
Pop. 15-17	Urban	57,276	6,902	1,783	10,621	91	3,272	3,169	14,784	4,419	499	4,340	193	13,319	2,648	109	123,426
	Rural	4,981	2,346	1,479	1,413	881	297	1,938	1,939	1,780	1,008	636	577	835	1,246	558	21,913
	Total	62,257	9,248	3,262	12,034	972	3,569	5,107	16,722	6,198	1,507	4,975	770	14,154	3,895	668	145,339
Births	Urban	20,002	2,410	623	3,709	32	1,143	1,107	5,163	1,543	174	1,515	67	4,651	925	38	43,102
	Rural	1,739	819	516	493	308	104	677	677	621	352	222	202	292	435	195	7,653
	Total	21,741	3,230	1,139	4,203	340	1,246	1,784	5,840	2,165	526	1,738	269	4,943	1,360	233	50,755
Deaths	Urban	4,448	536	138	825	7	254	246	1,148	343	39	337	15	1,034	206	9	9,586
	Rural	387	182	115	110	68	23	151	151	138	78	49	45	65	97	43	1,702
	Total	4,835	718	253	935	76	277	397	1,299	481	117	386	60	1,099	302	52	11,288

Sulaymaniyah																
		Sulaymaniyah	**Pshdar**	**Penjween**	**Chamchamal**	**Khanaqeen**	**Darbandikhan**	**Dukan**	**Ranya**	**Said Sadiq**	**Sharbazher**	**Sharazoor**	**Qaradagh**	**Kalar**	**Kifry**	**Mawat**	**Total**
2040																	
Total pop.	Urban	1,158,113	139,562	36,054	214,761	1,838	66,164	64,078	298,927	89,345	10,085	87,745	3,895	269,314	53,546	2,213	2,495,639
	Rural	100,713	47,428	29,895	28,571	17,821	6,003	39,192	39,198	35,984	20,380	12,857	11,671	16,879	25,203	11,285	443,081
	Total	1,258,827	186,990	65,949	243,332	19,659	72,167	103,270	338,124	125,329	30,464	100,603	15,566	286,193	78,749	13,498	2,938,720
Male	Urban	582,510	70,197	18,134	108,021	924	33,279	32,230	150,355	44,939	5,072	44,134	1,959	135,460	26,933	1,113	1,255,261
	Rural	50,657	23,856	15,037	14,371	8,964	3,019	19,713	19,716	18,099	10,251	6,467	5,870	8,490	12,677	5,676	222,861
	Total	633,167	94,052	33,171	122,391	9,888	36,299	51,943	170,070	63,038	15,323	50,601	7,829	143,950	39,609	6,789	1,478,122
Female	Urban	575,603	69,365	17,919	106,740	913	32,885	31,848	148,572	44,406	5,012	43,611	1,936	133,854	26,613	1,100	1,240,378
	Rural	50,056	23,573	14,858	14,200	8,858	2,983	19,479	19,482	17,885	10,129	6,390	5,801	8,389	12,526	5,609	220,219
	Total	625,660	92,937	32,778	120,940	9,771	35,868	51,327	168,054	62,291	15,141	50,001	7,737	142,243	39,140	6,709	1,460,597
Pop. 0-4	Urban	97,050	11,695	3,021	17,997	154	5,545	5,370	25,050	7,487	845	7,353	326	22,569	4,487	185	209,135
	Rural	8,440	3,975	2,505	2,394	1,493	503	3,284	3,285	3,015	1,708	1,077	978	1,414	2,112	946	37,130
	Total	105,490	15,670	5,527	20,391	1,647	6,048	8,654	28,335	10,503	2,553	8,431	1,304	23,983	6,599	1,131	246,265
Pop. 5-14	Urban	193,752	23,349	6,032	35,929	307	11,069	10,720	50,010	14,947	1,687	14,680	652	45,056	8,958	370	417,521
	Rural	16,849	7,935	5,001	4,780	2,982	1,004	6,557	6,558	6,020	3,410	2,151	1,953	2,824	4,216	1,888	74,127
	Total	210,602	31,283	11,033	40,709	3,289	12,074	17,277	56,568	20,968	5,097	16,831	2,604	47,880	13,175	2,258	491,648
Pop. 15-24	Urban	185,530	22,358	5,776	34,405	294	10,600	10,265	47,888	14,313	1,616	14,057	624	43,144	8,578	355	399,801
	Rural	16,134	7,598	4,789	4,577	2,855	962	6,279	6,279	5,765	3,265	2,060	1,870	2,704	4,038	1,808	70,982
	Total	201,664	29,956	10,565	38,982	3,149	11,561	16,544	54,168	20,078	4,880	16,117	2,494	45,848	12,616	2,162	470,783

Pop. 15-64	Urban	783,695	94,441	24,397	145,329	1,243	44,773	43,362	202,284	60,460	6,824	59,377	2,636	182,245	36,234	1,498	1,688,799
	Rural	68,153	32,095	20,230	19,334	12,060	4,062	26,521	26,525	24,350	13,791	8,701	7,898	11,422	17,055	7,636	299,833
	Total	851,848	126,536	44,627	164,663	13,303	48,836	69,883	228,809	84,810	20,615	68,078	10,534	193,667	53,289	9,134	1,988,632
Pop. 65+	Urban	83,616	10,076	2,603	15,506	133	4,777	4,626	21,583	6,451	728	6,335	281	19,445	3,866	160	180,186
	Rural	7,272	3,424	2,158	2,063	1,287	433	2,830	2,830	2,598	1,471	928	843	1,219	1,820	815	31,990
	Total	90,887	13,501	4,762	17,569	1,419	5,210	7,456	24,413	9,049	2,200	7,264	1,124	20,663	5,686	975	212,176
Females 15-49	Urban	299,198	36,056	9,314	55,483	475	17,094	16,555	77,228	23,082	2,605	22,669	1,006	69,577	13,834	572	644,748
	Rural	26,019	12,253	7,723	7,381	4,604	1,551	10,125	10,127	9,296	5,265	3,322	3,015	4,361	6,511	2,915	114,470
	Total	325,218	48,309	17,038	62,865	5,079	18,644	26,680	87,354	32,379	7,870	25,991	4,021	73,938	20,345	3,487	759,218
Pop. 6-11	Urban	116,780	14,073	3,636	21,656	185	6,672	6,461	30,143	9,009	1,017	8,848	393	27,157	5,399	223	251,651
	Rural	10,156	4,783	3,015	2,881	1,797	605	3,952	3,953	3,628	2,055	1,296	1,177	1,702	2,541	1,138	44,679
	Total	126,936	18,855	6,650	24,537	1,982	7,277	10,413	34,095	12,638	3,072	10,144	1,570	28,859	7,941	1,361	296,330
Pop. 12-14	Urban	57,385	6,915	1,786	10,641	91	3,278	3,175	14,812	4,427	500	4,348	193	13,345	2,653	110	123,659
	Rural	4,990	2,350	1,481	1,416	883	297	1,942	1,942	1,783	1,010	637	578	836	1,249	559	21,955
	Total	62,375	9,265	3,268	12,057	974	3,576	5,117	16,754	6,210	1,510	4,985	771	14,181	3,902	669	145,614
Pop. 15-17	Urban	56,312	6,786	1,753	10,443	89	3,217	3,116	14,535	4,344	490	4,267	189	13,095	2,604	108	121,349
	Rural	4,897	2,306	1,454	1,389	867	292	1,906	1,906	1,750	991	625	567	821	1,225	549	21,544
	Total	61,209	9,092	3,207	11,832	956	3,509	5,021	16,441	6,094	1,481	4,892	757	13,916	3,829	656	142,893
Births	Urban	19,628	2,365	611	3,640	31	1,121	1,086	5,066	1,514	171	1,487	66	4,564	908	38	42,297
	Rural	1,707	804	507	484	302	102	664	664	610	345	218	198	286	427	191	7,509
	Total	21,335	3,169	1,118	4,124	333	1,223	1,750	5,731	2,124	516	1,705	264	4,850	1,335	229	49,806
Deaths	Urban	5,114	616	159	948	8	292	283	1,320	395	45	388	17	1,189	236	10	11,021
	Rural	445	209	132	126	79	27	173	173	159	90	57	52	75	111	50	1,957
	Total	5,559	826	291	1,075	87	319	456	1,493	553	135	444	69	1,264	348	60	12,978

Population projections for Duhok Governorate

The Duhok Governorate lies at the western side of the Kurdistan Region of Iraq, bordering with Turkey and Syria. It is the main entry door by road of both people and goods from these two countries. It also borders the Mosul Lake, which separates the Nineveh Governorate from Duhok. This geographic position has placed the Duhok Governorate as the principal shelter for Syrian refugees fleeing the conflict in the northern areas of Syria in 2012, as well as for families displaced after the fall of Mosul, Nineveh, in June 2014. In August 2014, after the fall of Sinjar, Duhok received large numbers of Yezidi IDPs, often fleeing and transiting through the Sinjar Mountains and Syria, before settling in the Duhok Governorate. The Duhok's population estimate in 2020 is nearly 1.65 million.

Table 24: Main results from population projections, medium variant fertility scenario, Duhok

	2025	2030	2035	2040
Total population	1,859,753	2,093,015	2,342,886	2,600,612
Male	934,375	1,053,779	1,181,566	1,313,296
Female	925,378	1,039,237	1,161,319	1,287,315
Percent 0-4	12.61	12.35	11.88	11.19
Percent 5-14	24.38	22.18	20.96	20.57
Percent 15-24	21.38	21.07	19.3	17.8
Percent 15-49	53.32	54.14	54.14	53.37
Percent 15-64	59.77	61.32	63.03	63.68
Percent 65 and over	3.24	4.15	4.13	4.56
Percent females 15-49	53.12	54.12	53.89	52.89
Births	50,114	54,661	58,170	59,991
Deaths	5,962	6,470	7,180	8,280

Table 25: Indicators resulting from population projections, medium variant fertility scenario, Duhok

	2025	2030	2035	2040
Sex ratio	100.97	101.4	101.74	102.02
Dependency ratio	0.67	0.63	0.59	0.57
Median age	21	22	24	25
Crude birth rate	26.9	26.1	24.8	23.1
Gross reproduction rate	1.68	1.6	1.52	1.44
Net reproduction rate	1.62	1.55	1.47	1.4
Child-woman ratio	0.48	0.46	0.44	0.43
Crude death rate	3.2	3.1	3.1	3.2
Infant mortality rate	22.1	20.2	18.4	16.8
Under-five mortality rate	27	24.6	22.4	20.4
Rate of natural increase	2.37	2.3	2.18	1.99
Doubling time	29.5	30.4	32.2	35.2

Table 26: Dependency ratio by fertility variant 2020-2040, Duhok

	Low	Medium	High
2020	78.0%	78.0%	78.0%
2025	66.0%	67.0%	68.0%
2030	61.0%	63.0%	65.0%
2035	54.0%	59.0%	61.0%
2040	50.0%	57.0%	61.0%

Figure 7: Population pyramid medium fertility variant, Duhok 2030
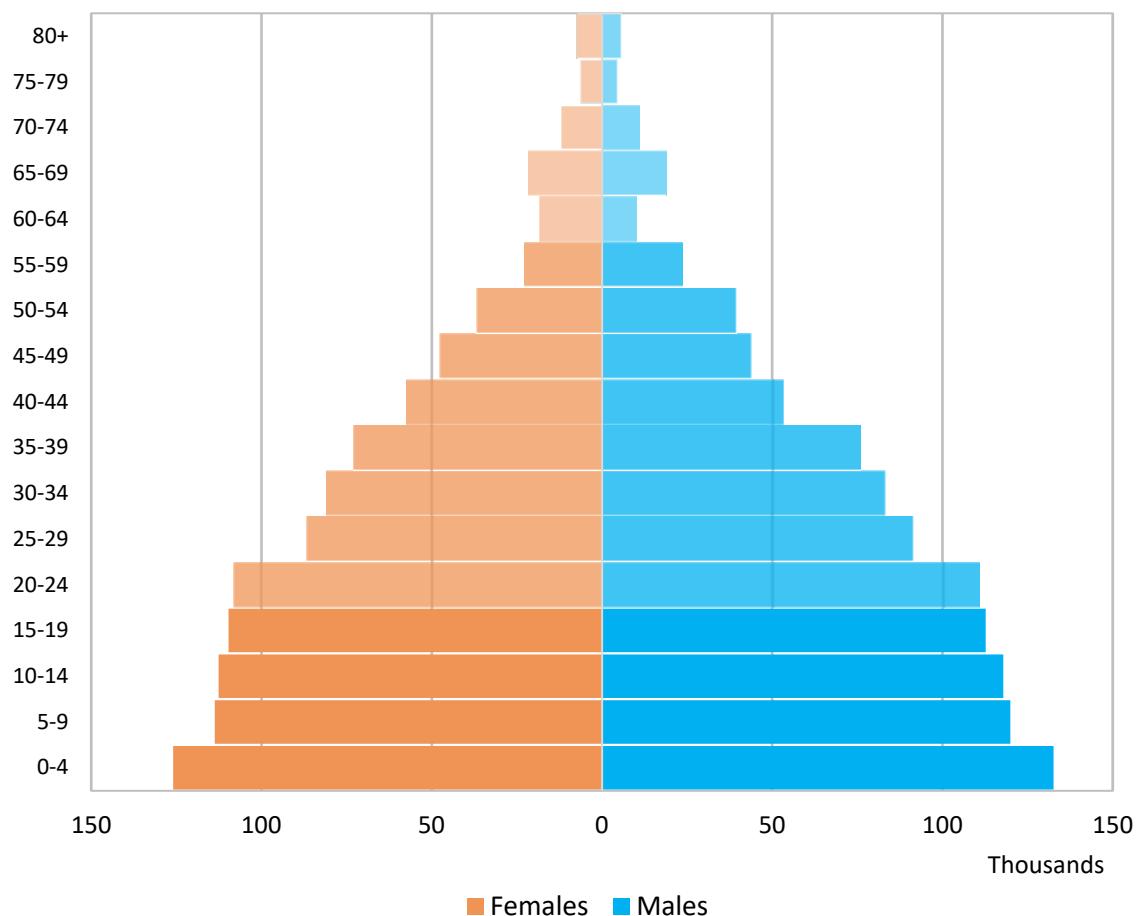
Figure 8: Population pyramid medium fertility variant, Duhok 2040
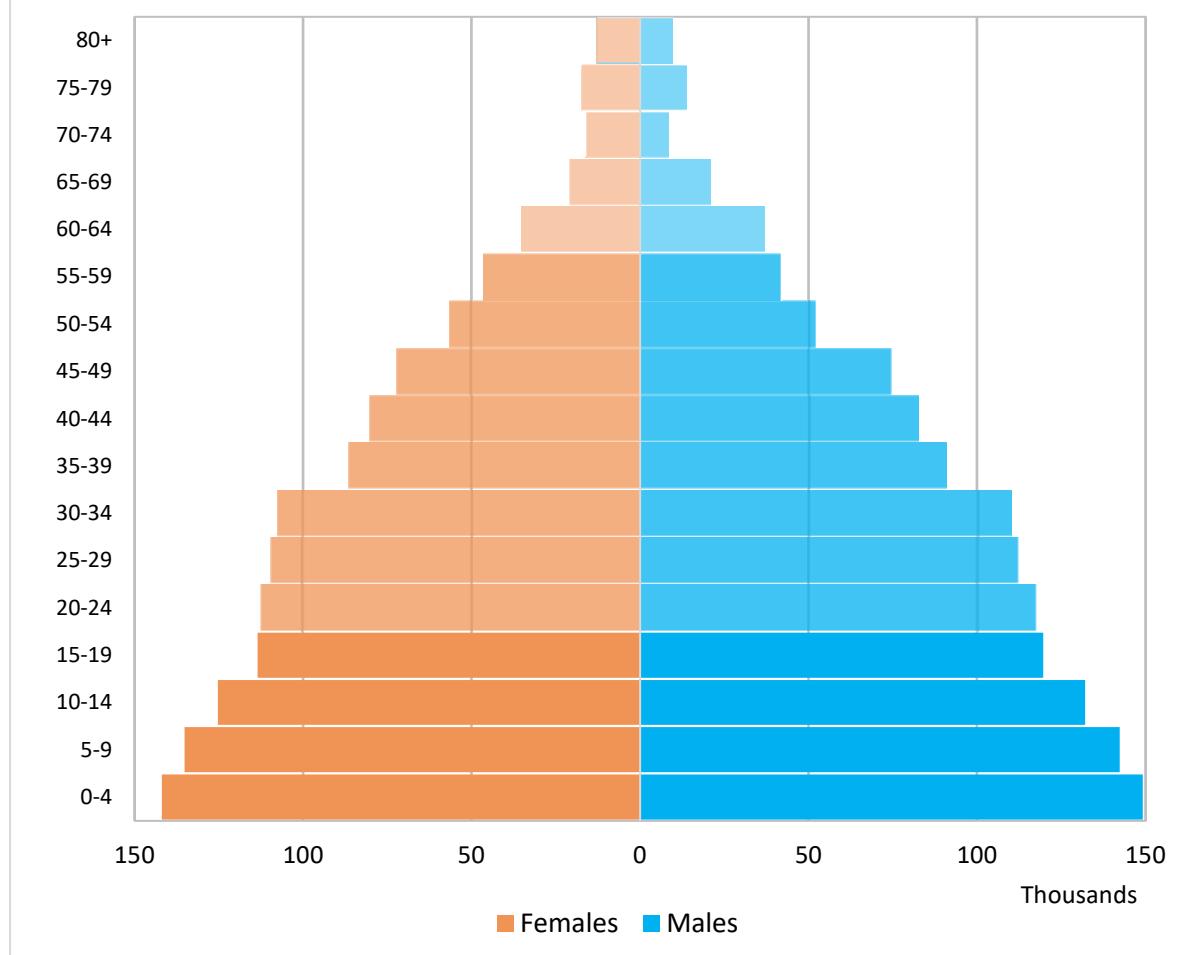
Table 27: Population projections for selected age groups medium variant fertility scenario 2020 to 2040, Duhok

	2020	2025	2030	2035	2040
Population 0-4	231,795	234,515	258,487	278,335	291,008
Population 5-14	442,323	453,408	464,231	491,069	534,946
Population 15-24	343,736	397,615	440,998	452,177	462,909
Population 15-64	927,345	1,111,574	1,283,437	1,476,721	1,656,070
Population 65+	47,315	60,256	86,860	96,761	118,588
Females 15-49	408,131	491,561	562,435	625,835	680,861
Population 6-11	267,924	270,014	282,166	300,701	326,297
Population 12-14	129,146	132,931	133,205	136,983	151,706
Population 15-17	110,663	134,736	133,762	142,476	142,997

Table 28: Dashboard for the implications of population dynamics on sustainable development, Duhok

Age group	2020 to 2030	2030 to 2040	Program
Population 0-4	11.5	12.6	Childcare
Population 5-14	5.0	15.2	Adolescence programs
Population 15-24	28.3	5.0	Youth programs & employment
Population 15-64	38.4	29.0	Employment
Population 65+	83.6	36.5	Elderly care & geriatrics
Females 15-49	37.8	21.1	Reproductive health
Population 6-11	5.3	15.6	Education
Population 12-14	3.1	13.9	Education
Population 15-17	20.9	6.9	Education

	Room for improving quality or equity
	More resources needed to improve quality or equity
	Maintaining service delivery is challenging
	Maintaining service delivery is extremely challenging

Population projections for Duhok's districts

Table 29: Population projections, Duhok 2025-2040, district level

		Duhok	Akre	Amedi	Shekhan	Bardarash	Zakho	Semel	Total
2025									
Total population	Urban	466,654	105,927	102,048	98,282	61,939	323,382	187,739	1,345,972
	Rural	22,889	129,893	49,050	94,913	123,365	36,899	56,773	513,781
	Total	489,543	235,820	151,097	193,195	185,304	360,282	244,512	1,859,753
Male	Urban	234,456	53,220	51,271	49,379	31,119	162,473	94,324	676,242
	Rural	11,500	65,261	24,644	47,686	61,981	18,539	28,524	258,133
	Total	245,956	118,481	75,914	97,065	93,100	181,012	122,847	934,375
Female	Urban	232,198	52,707	50,777	48,903	30,820	160,909	93,416	669,730
	Rural	11,389	64,632	24,406	47,227	61,384	18,360	28,249	255,648
	Total	243,587	117,340	75,183	96,130	92,204	179,269	121,665	925,378
Population 0-4	Urban	58,845	13,357	12,868	12,393	7,811	40,779	23,674	169,727
	Rural	2,886	16,380	6,185	11,968	15,556	4,653	7,159	64,788
	Total	61,731	29,737	19,053	24,362	23,367	45,432	30,833	234,515
Population 5-14	Urban	113,770	25,825	24,879	23,961	15,101	78,841	45,771	328,148
	Rural	5,580	31,668	11,958	23,140	30,076	8,996	13,841	125,260
	Total	119,351	57,493	36,838	47,101	45,177	87,837	59,612	453,408
Population 15-24	Urban	99,771	22,647	21,818	21,013	13,243	69,139	40,139	287,769
	Rural	4,894	27,771	10,487	20,292	26,375	7,889	12,138	109,846
	Total	104,664	50,418	32,305	41,305	39,618	77,028	52,277	397,615

Population 15-64	**Urban**	278,919	63,313	60,994	58,743	37,021	193,286	112,212	804,487
	Rural	13,681	77,637	29,317	56,729	73,735	22,055	33,933	307,087
	Total	292,600	140,950	90,311	115,473	110,756	215,340	146,145	1,111,574
Population 65+	**Urban**	15,120	3,432	3,306	3,184	2,007	10,478	6,083	43,610
	Rural	742	4,209	1,589	3,075	3,997	1,196	1,839	16,646
	Total	15,861	7,641	4,896	6,260	6,004	11,673	7,922	60,256
Females 15-49	**Urban**	123,344	27,998	26,973	25,977	16,371	85,475	49,622	355,761
	Rural	6,050	34,333	12,965	25,087	32,607	9,753	15,006	135,800
	Total	129,394	62,331	39,937	51,064	48,979	95,228	64,628	491,561
Population 6-11	**Urban**	67,753	15,379	14,816	14,269	8,993	46,951	27,258	195,419
	Rural	3,323	18,859	7,121	13,780	17,911	5,357	8,243	74,595
	Total	71,076	34,238	21,938	28,050	26,904	52,309	35,500	270,014
Population 12-14	**Urban**	33,355	7,571	7,294	7,025	4,427	23,115	13,419	96,207
	Rural	1,636	9,284	3,506	6,784	8,818	2,637	4,058	36,724
	Total	34,991	16,856	10,800	13,809	13,245	25,752	17,477	132,931
Population 15-17	**Urban**	33,808	7,674	7,393	7,120	4,487	23,429	13,601	97,513
	Rural	1,658	9,411	3,554	6,876	8,938	2,673	4,113	37,223
	Total	35,467	17,085	10,947	13,997	13,425	26,102	17,714	134,736
Births	**Urban**	12,575	2,854	2,750	2,648	1,669	8,714	5,059	36,269
	Rural	617	3,500	1,322	2,558	3,324	994	1,530	13,845
	Total	13,192	6,355	4,072	5,206	4,993	9,708	6,589	50,114
Deaths	**Urban**	1,496	340	327	315	199	1,037	602	4,315
	Rural	73	416	157	304	395	118	182	1,647
	Total	1,569	756	484	619	594	1,155	784	5,962

Duhok								
		Duhok	**Akre**	**Amedi**	**Shekhan**	**Bardarash**	**Zakho**	**Semel**	**Total**
2030									
Total population	Urban	525,185	119,213	114,847	110,609	69,708	363,943	211,287	1,514,793
	Rural	25,759	146,185	55,202	106,817	138,838	41,527	63,893	578,222
	Total	550,944	265,398	170,049	217,427	208,546	405,470	275,180	2,093,015
Male	Urban	264,417	60,021	57,823	55,689	35,096	183,236	106,378	762,659
	Rural	12,969	73,600	27,793	53,780	69,901	20,908	32,169	291,120
	Total	277,386	133,621	85,615	109,469	104,998	204,144	138,546	1,053,779
Female	Urban	260,768	59,192	57,025	54,920	34,612	180,707	104,910	752,134
	Rural	12,790	72,585	27,409	53,038	68,937	20,619	31,725	287,103
	Total	273,558	131,777	84,434	107,958	103,549	201,327	136,634	1,039,237
Population 0-4	Urban	64,860	14,723	14,184	13,660	8,609	44,947	26,094	187,077
	Rural	3,181	18,054	6,817	13,192	17,146	5,129	7,891	71,410
	Total	68,042	32,777	21,001	26,852	25,755	50,076	33,985	258,487
Population 5-14	Urban	116,486	26,442	25,473	24,533	15,461	80,723	46,863	335,981
	Rural	5,713	32,424	12,244	23,692	30,794	9,211	14,172	128,250
	Total	122,200	58,865	37,717	48,225	46,256	89,933	61,035	464,231
Population 15-24	Urban	110,656	25,118	24,198	23,305	14,687	76,683	44,518	319,167
	Rural	5,428	30,801	11,631	22,506	29,253	8,750	13,462	121,831
	Total	116,084	55,919	35,829	45,812	43,941	85,433	57,980	440,998
Population 15-64	Urban	322,044	73,102	70,424	67,826	42,745	223,170	129,561	928,871
	Rural	15,796	89,641	33,850	65,500	85,136	25,465	39,179	354,566
	Total	337,839	162,742	104,274	133,326	127,880	248,634	168,741	1,283,437

Population 65+	**Urban**	21,795	4,947	4,766	4,590	2,893	15,104	8,768	62,864
	Rural	1,069	6,067	2,291	4,433	5,762	1,723	2,652	23,996
	Total	22,864	11,014	7,057	9,023	8,655	16,827	11,420	86,860
Females 15-49	**Urban**	141,128	32,035	30,862	29,723	18,732	97,799	56,777	407,055
	Rural	6,922	39,283	14,834	28,704	37,309	11,159	17,169	155,380
	Total	148,050	71,318	45,696	58,427	56,040	108,958	73,946	562,435
Population 6-11	**Urban**	70,802	16,072	15,483	14,912	9,398	49,064	28,484	204,214
	Rural	3,473	19,708	7,442	14,400	18,717	5,598	8,614	77,952
	Total	74,275	35,779	22,925	29,312	28,115	54,663	37,098	282,166
Population 12-14	**Urban**	33,424	7,587	7,309	7,039	4,436	23,162	13,447	96,405
	Rural	1,639	9,304	3,513	6,798	8,836	2,643	4,066	36,800
	Total	35,064	16,891	10,822	13,838	13,272	25,805	17,513	133,205
Population 15-17	**Urban**	33,564	7,619	7,340	7,069	4,455	23,259	13,503	96,809
	Rural	1,646	9,343	3,528	6,827	8,873	2,654	4,083	36,953
	Total	35,210	16,961	10,868	13,895	13,328	25,913	17,586	133,762
Births	**Urban**	13,716	3,113	2,999	2,889	1,820	9,505	5,518	39,560
	Rural	673	3,818	1,442	2,790	3,626	1,085	1,669	15,101
	Total	14,388	6,931	4,441	5,678	5,446	10,589	7,187	54,661
Deaths	**Urban**	1,623	369	355	342	215	1,125	653	4,683
	Rural	80	452	171	330	429	128	198	1,787
	Total	1,703	820	526	672	645	1,253	851	6,470

Duhok								
		Duhok	**Akre**	**Amedi**	**Shekhan**	**Bardarash**	**Zakho**	**Semel**	**Total**
2035									
Total population	Urban	587,883	133,445	128,558	123,814	78,030	407,392	236,511	1,695,634
	Rural	28,835	163,637	61,792	119,569	155,413	46,485	71,521	647,252
	Total	616,718	297,082	190,350	243,384	233,443	453,877	308,032	2,342,886
Male	Urban	296,482	67,299	64,834	62,442	39,352	205,456	119,277	855,143
	Rural	14,542	82,526	31,163	60,301	78,378	23,443	36,070	326,423
	Total	311,024	149,825	95,997	122,743	117,730	228,899	155,347	1,181,566
Female	Urban	291,401	66,146	63,723	61,372	38,678	201,935	117,234	840,490
	Rural	14,293	81,111	30,629	59,268	77,035	23,042	35,451	320,829
	Total	305,694	147,257	94,352	120,640	115,713	224,977	152,685	1,161,319
Population 0-4	Urban	69,841	15,853	15,273	14,709	9,270	48,398	28,098	201,441
	Rural	3,426	19,440	7,341	14,205	18,463	5,522	8,497	76,894
	Total	73,266	35,293	22,614	28,914	27,733	53,921	36,594	278,335
Population 5-14	Urban	123,220	27,970	26,946	25,951	16,355	85,389	49,573	355,405
	Rural	6,044	34,298	12,952	25,062	32,575	9,743	14,991	135,664
	Total	129,264	62,268	39,897	51,013	48,930	95,133	64,564	491,069
Population 15-24	Urban	113,461	25,755	24,812	23,896	15,060	78,627	45,647	327,257
	Rural	5,565	31,582	11,926	23,077	29,995	8,972	13,804	124,920
	Total	119,027	57,337	36,738	46,973	45,054	87,598	59,450	452,177
Population 15-64	Urban	370,543	84,111	81,030	78,040	49,182	256,779	149,073	1,068,758
	Rural	18,174	103,140	38,948	75,365	97,957	29,300	45,080	407,963
	Total	388,717	187,251	119,978	153,405	147,139	286,079	194,153	1,476,721

Population 65+	**Urban**	24,280	5,511	5,309	5,114	3,223	16,825	9,768	70,030
	Rural	1,191	6,758	2,552	4,938	6,419	1,920	2,954	26,731
	Total	25,470	12,269	7,861	10,052	9,641	18,745	12,722	96,761
Females 15-49	**Urban**	157,036	35,646	34,341	33,073	20,843	108,823	63,177	452,940
	Rural	7,702	43,711	16,506	31,940	41,514	12,417	19,105	172,895
	Total	164,739	79,357	50,847	65,013	62,358	121,240	82,282	625,835
Population 6-11	**Urban**	75,453	17,127	16,500	15,891	10,015	52,287	30,355	217,628
	Rural	3,701	21,002	7,931	15,346	19,947	5,966	9,179	83,073
	Total	79,154	38,129	24,431	31,237	29,962	58,253	39,535	300,701
Population 12-14	**Urban**	34,372	7,802	7,516	7,239	4,562	23,819	13,828	99,140
	Rural	1,686	9,567	3,613	6,991	9,087	2,718	4,182	37,843
	Total	36,058	17,370	11,129	14,230	13,649	26,537	18,010	136,983
Population 15-17	**Urban**	35,750	8,115	7,818	7,529	4,745	24,774	14,383	103,115
	Rural	1,753	9,951	3,758	7,271	9,451	2,827	4,349	39,361
	Total	37,504	18,066	11,576	14,801	14,196	27,601	18,732	142,476
Births	**Urban**	14,596	3,313	3,192	3,074	1,937	10,115	5,872	42,100
	Rural	716	4,063	1,534	2,969	3,859	1,154	1,776	16,070
	Total	15,312	7,376	4,726	6,043	5,796	11,269	7,648	58,170
Deaths	**Urban**	1,802	409	394	379	239	1,248	725	5,196
	Rural	88	501	189	366	476	142	219	1,984
	Total	1,890	910	583	746	715	1,391	944	7,180

Duhok									
		Duhok	**Akre**	**Amedi**	**Shekhan**	**Bardarash**	**Zakho**	**Semel**	**Total**
2040									
Total population	Urban	652,553	148,125	142,700	137,434	86,613	452,206	262,528	1,882,159
	Rural	32,007	181,638	68,589	132,722	172,509	51,599	79,389	718,453
	Total	684,559	329,763	211,289	270,157	259,122	503,805	341,917	2,600,612
Male	Urban	329,536	74,802	72,063	69,404	43,739	228,362	132,575	950,481
	Rural	16,163	91,726	34,637	67,024	87,116	26,057	40,091	362,815
	Total	345,699	166,528	106,700	136,428	130,856	254,419	172,666	1,313,296
Female	Urban	323,017	73,322	70,637	68,031	42,874	223,844	129,953	931,678
	Rural	15,843	89,912	33,952	65,698	85,393	25,542	39,298	355,637
	Total	338,860	163,234	104,589	133,729	128,267	249,386	169,250	1,287,315
Population 0-4	Urban	73,021	16,575	15,968	15,379	9,692	50,602	29,377	210,613
	Rural	3,582	20,325	7,675	14,852	19,304	5,774	8,884	80,395
	Total	76,602	36,900	23,643	30,230	28,996	56,376	38,260	291,008
Population 5-14	Urban	134,230	30,469	29,353	28,270	17,816	93,019	54,002	387,160
	Rural	6,584	37,363	14,109	27,301	35,485	10,614	16,330	147,786
	Total	140,814	67,832	43,462	55,571	53,302	103,633	70,332	534,946
Population 15-24	Urban	116,154	26,366	25,401	24,463	15,417	80,493	46,730	335,024
	Rural	5,697	32,332	12,209	23,625	30,707	9,185	14,131	127,885
	Total	121,852	58,698	37,609	48,088	46,124	89,677	60,861	462,909
Population 15-64	Urban	415,546	94,326	90,871	87,518	55,155	287,965	167,178	1,198,559
	Rural	20,382	115,667	43,678	84,518	109,854	32,858	50,555	457,511
	Total	435,927	209,993	134,549	172,036	165,009	320,823	217,733	1,656,070

Population 65+	**Urban**	29,756	6,754	6,507	6,267	3,950	20,621	11,971	85,827
	Rural	1,460	8,283	3,128	6,052	7,866	2,353	3,620	32,761
	Total	31,216	15,037	9,635	12,319	11,816	22,974	15,591	118,588
Females 15-49	**Urban**	170,844	38,780	37,360	35,981	22,676	118,391	68,732	492,764
	Rural	8,380	47,554	17,957	34,748	45,164	13,509	20,785	188,097
	Total	179,223	86,334	55,317	70,729	67,840	131,900	89,517	680,861
Population 6-11	**Urban**	81,875	18,585	17,904	17,244	10,867	56,738	32,939	236,153
	Rural	4,016	22,790	8,606	16,653	21,645	6,474	9,961	90,144
	Total	85,891	41,375	26,510	33,896	32,512	63,212	42,900	326,297
Population 12-14	**Urban**	38,066	8,641	8,324	8,017	5,053	26,379	15,315	109,795
	Rural	1,867	10,596	4,001	7,742	10,063	3,010	4,631	41,911
	Total	39,934	19,237	12,326	15,760	15,116	29,389	19,946	151,706
Population 15-17	**Urban**	35,881	8,145	7,846	7,557	4,763	24,865	14,435	103,492
	Rural	1,760	9,988	3,771	7,298	9,486	2,837	4,365	39,505
	Total	37,641	18,132	11,618	14,855	14,248	27,702	18,801	142,997
Births	**Urban**	15,053	3,417	3,292	3,170	1,998	10,432	6,056	43,418
	Rural	738	4,190	1,582	3,062	3,979	1,190	1,831	16,573
	Total	15,791	7,607	4,874	6,232	5,977	11,622	7,887	59,991
Deaths	**Urban**	2,078	472	454	438	276	1,440	836	5,993
	Rural	102	578	218	423	549	164	253	2,287
	Total	2,180	1,050	673	860	825	1,604	1,089	8,280

Population projections for Halabja Governorate

In June 2013, the Kurdistan Region of Iraq approved that Halabja is the fourth governorate of the region. Halabja Governorate is located at the South-East of Iraq with borders with Iran.

The Halabja's population estimate in 2020 is nearly 115 thousand.

Table 30: Main results from population projections, medium variant fertility scenario, Halabja

	2025	2030	2035	2040
Total population	125,974	136,736	147,431	157,618
Male	63,135	68,631	74,083	79,279
Female	62,840	68,105	73,347	78,339
Percent 0-4	10.12	9.61	9.04	8.38
Percent 5-14	19.98	18.51	17.49	16.73
Percent 15-24	19.75	18.93	17.03	16.02
Percent 15-49	56	55.06	54.19	53.12
Percent 15-64	64.97	65.71	67.27	67.67
Percent 65 and over	4.93	6.17	6.2	7.22
Percent females 15-49	55.43	54.45	53.33	51.98
Births	2,649	2,710	2,722	2,671
Deaths	517	553	605	696

Table 31: Indicators resulting from population projections, medium variant fertility scenario, Halabja

	2025	2030	2035	2040
Sex ratio	100.47	100.77	101	101.2
Dependency ratio	0.54	0.52	0.49	0.48
Median age	25	27	29	31
Crude birth rate	21	19.8	18.5	16.9
Gross reproduction rate	1.27	1.21	1.15	1.09
Net reproduction rate	1.22	1.17	1.11	1.06
Child-woman ratio	0.37	0.35	0.34	0.32
Crude death rate	4.1	4	4.1	4.4
Infant mortality rate	22.2	20.2	18.4	16.8
Under-five mortality rate	27.1	24.6	22.4	20.4
Rate of natural increase	1.69	1.58	1.44	1.25
Doubling time	41.3	44.3	48.6	55.7

Table 32: Dependency ratio by fertility variant 2020-2040, Halabja

	Low	Medium	High
2020	61.0%	61.0%	61.0%
2025	53.0%	54.0%	54.0%
2030	50.0%	52.0%	53.0%
2035	45.0%	49.0%	51.0%
2040	43.0%	48.0%	51.0%

Figure 9: Population pyramid medium fertility variant, Halabja 2030
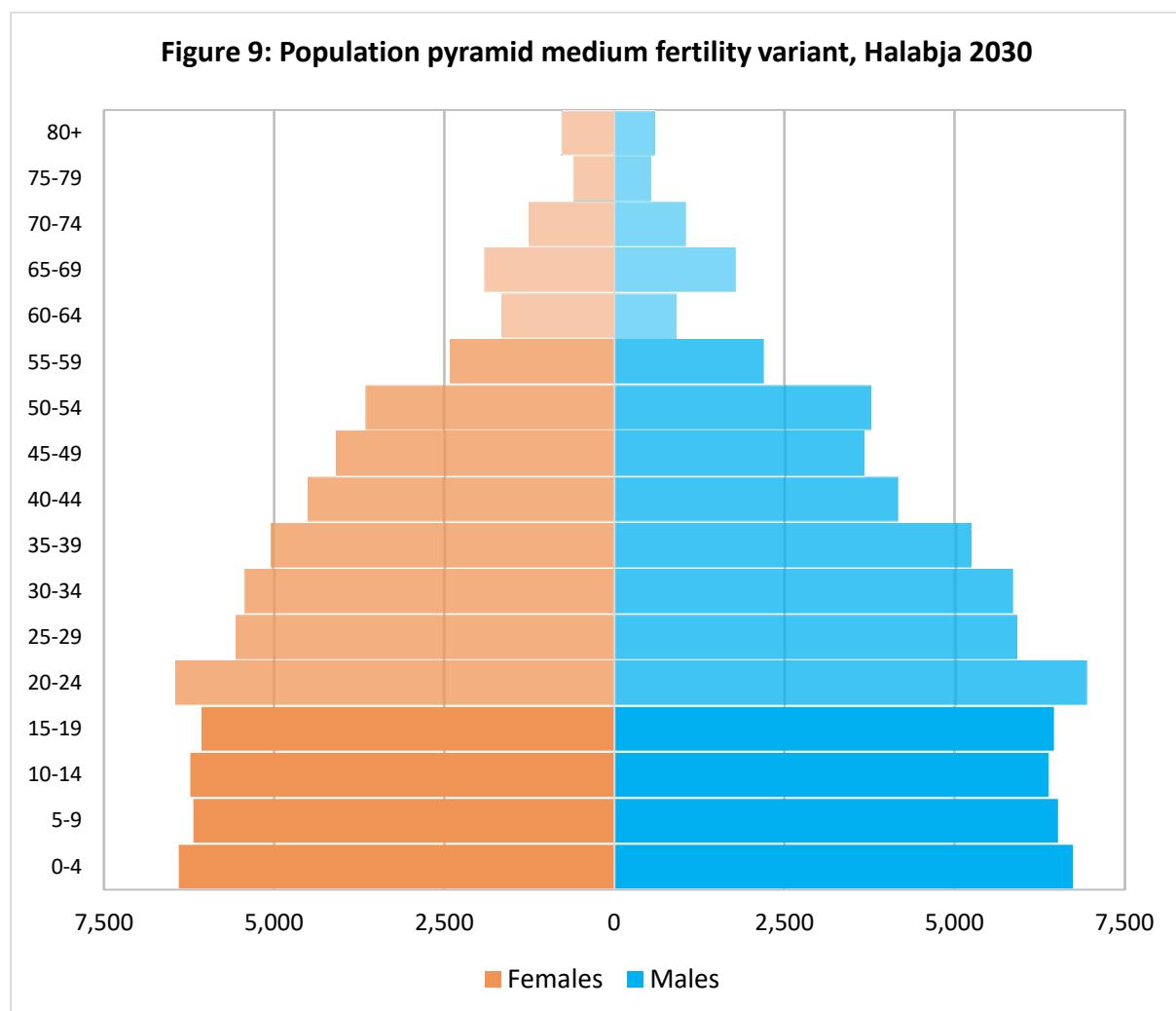
Figure 10: Population pyramid medium fertility variant, Halabja 2040
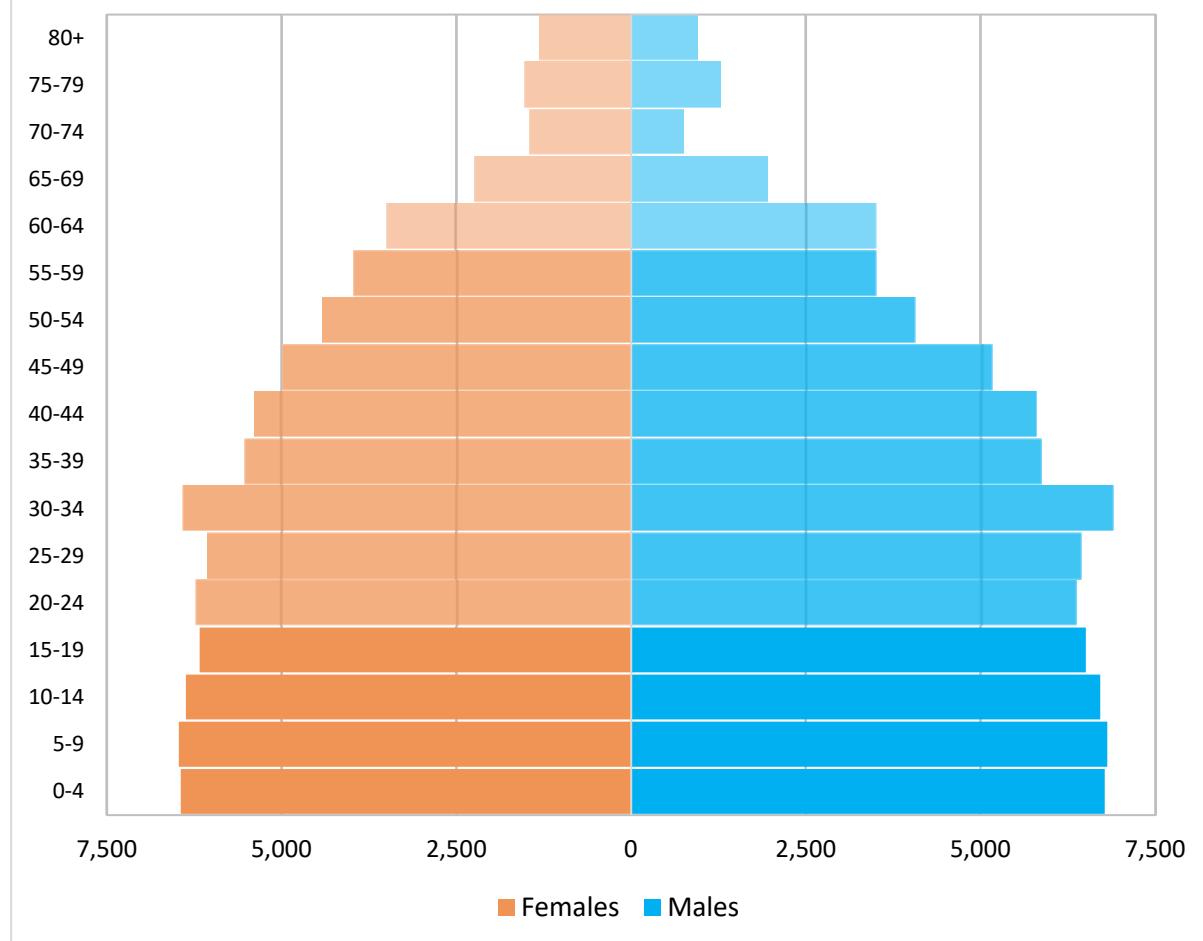
Table 33: Population projections for selected age groups medium variant fertility scenario 2020 to 2040, Halabja

	2020	2025	2030	2035	2040
Population 0-4	12,677	12,749	13,140	13,328	13,208
Population 5-14	25,966	25,170	25,310	25,786	26,369
Population 15-24	22,860	24,880	25,884	25,107	25,250
Population 15-64	71,870	81,845	89,849	99,177	106,660
Population 65+	4,941	6,211	8,437	9,141	11,380
Females 15-49	30,990	34,832	37,083	39,116	40,721
Population 6-11	15,469	14,824	15,446	15,582	15,894
Population 12-14	8,005	7,583	7,288	7,556	7,810
Population 15-17	7,027	8,137	7,429	7,795	7,664

Table 34: Dashboard for the implications of population dynamics on sustainable development, Halabja

Age group	2020 to 2030	2030 to 2040	Program
Population 0-4	3.7	0.5	Childcare
Population 5-14	-2.5	4.2	Adolescence programs
Population 15-24	13.2	-2.4	Youth programs & employment
Population 15-64	**25.0**	18.7	Employment
Population 65+	**70.7**	**34.9**	Elderly care & geriatrics
Females 15-49	19.7	9.8	Reproductive health
Population 6-11	-0.1	2.9	Education
Population 12-14	-9.0	7.2	Education
Population 15-17	5.7	3.2	Education

	Room for improving quality or equity
	More resources needed to improve quality or equity
	Maintaining service delivery is challenging
	Maintaining service delivery is extremely challenging

Table 35: Population projections, Halabja 2025-2040

			2025		2030		2035		2040
Total population	Urban		107,017		116,160		125,245		133,899
	Rural		18,957		20,576		22,186		23,719
	Total		125,974		136,736		147,431		157,618
Male	Urban		53,634		58,303		62,935		67,349
	Rural		9,501		10,328		11,148		11,930
	Total		63,135		68,631		74,083		79,279
Female	Urban		53,384		57,856		62,310		66,550
	Rural		9,456		10,249		11,037		11,789
	Total		62,840		68,105		73,347		78,339
Population 0-4	Urban		10,830		11,163		11,322		11,220
	Rural		1,919		1,977		2,006		1,988
	Total		12,749		13,140		13,328		13,208
Population 5-14	Urban		21,382		21,501		21,906		22,401
	Rural		3,788		3,809		3,880		3,968
	Total		25,170		25,310		25,786		26,369
Population 15-24	Urban		21,136		21,989		21,329		21,450
	Rural		3,744		3,895		3,778		3,800
	Total		24,880		25,884		25,107		25,250
Population 15-64	Urban		69,529		76,328		84,253		90,609
	Rural		12,316		13,521		14,924		16,051
	Total		81,845		89,849		99,177		106,660
Population 65+	Urban		5,276		7,167		7,765		9,668
	Rural		935		1,270		1,376		1,712
	Total		6,211		8,437		9,141		11,380
Females 15-49	Urban		29,590		31,503		33,230		34,593
	Rural		5,242		5,580		5,886		6,128
	Total		34,832		37,083		39,116		40,721
Population 6-11	Urban		12,593		13,122		13,237		13,502
	Rural		2,231		2,324		2,345		2,392
	Total		14,824		15,446		15,582		15,894

Population 12-14	Urban		6,442		6,191		6,419		6,635
	Rural		1,141		1,097		1,137		1,175
	Total		7,583		7,288		7,556		7,810
Population 15-17	Urban		6,913		6,311		6,622		6,511
	Rural		1,224		1,118		1,173		1,153
	Total		8,137		7,429		7,795		7,664
Births	Urban		2,250		2,302		2,312		2,269
	Rural		399		408		410		402
	Total		2,649		2,710		2,722		2,671
Deaths	Urban		439		470		514		591
	Rural		78		83		91		105
	Total		517		553		605		696

Conclusions

✯ Analysing the implications of population projections is important for providing a better understanding of the relation between population and sustainable development. This understanding is not only important when projections was conducted on the national level but is equally important on the local level. The population projections on the governorate/district level turned out to be important for KRI as the population dynamics varies across governorates. This applies to both fertility levels and to internal migration trends.

✯ Differentials in fertility levels will have an impact on the future demand on education and health services, and results of the projections on the local level can help setting priorities and revising resource allocation. Investing in youth and harnessing demographic dividend is crucial given the young age structure in KRI. A full analysis of the demographic dividend in the region along with the analysis of its link to human capital and sustainable development will help building a future vision for KRI.

✯ Urban/rural population estimation is also equally important for rural development, for reducing poverty, and for building a more inclusive society.

✯ Migration was not fully analyzed in this report as recent data are limited and more in-depth assumptions should be developed based on economic and political scenarios that depend heavily on the regional outlook in the next coming years.

✯ Population projections should be updated periodically (3 to 5 years) depending on the economic and political situation in KRI and on the region and its impact on population dynamics parameters.

Appendices

Appendix A) Detailed results for Erbil

Table A-1: Age-sex distribution by fertility variant, Erbil 2025 to 2040

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2025[10]									
0-4	257,296	131,976	125,321	269,960	138,471	131,489	276,461	141,805	134,656
5-9	292,434	150,762	141,672	292,434	150,762	141,672	292,434	150,762	141,672
10-14	277,631	140,879	136,752	277,631	140,879	136,752	277,631	140,879	136,752
15-19	281,882	149,158	132,724	281,882	149,158	132,724	281,882	149,158	132,724
20-24	219,766	117,366	102,401	219,766	117,366	102,401	219,766	117,366	102,401
25-29	217,479	109,859	107,620	217,479	109,859	107,620	217,479	109,859	107,620
30-34	203,334	101,834	101,500	203,334	101,834	101,500	203,334	101,834	101,500
35-39	165,525	80,581	84,944	165,525	80,581	84,944	165,525	80,581	84,944
40-44	136,966	68,087	68,879	136,966	68,087	68,879	136,966	68,087	68,879
45-49	124,769	62,716	62,053	124,769	62,716	62,053	124,769	62,716	62,053
50-54	83,651	41,403	42,248	83,651	41,403	42,248	83,651	41,403	42,248
55-59	49,538	19,329	30,208	49,538	19,329	30,208	49,538	19,329	30,208
60-64	63,676	31,103	32,572	63,676	31,103	32,572	63,676	31,103	32,572
65-69	41,426	18,831	22,595	41,426	18,831	22,595	41,426	18,831	22,595
70-74	24,544	11,319	13,225	24,544	11,319	13,225	24,544	11,319	13,225
75-79	17,369	8,041	9,328	17,369	8,041	9,328	17,369	8,041	9,328
80+	18,367	7,962	10,405	18,367	7,962	10,405	18,367	7,962	10,405
Total	2,475,652	1,251,206	1,224,446	2,488,315	1,257,701	1,230,615	2,494,816	1,261,035	1,233,781

[10] Difference between scenarios appears only in the first age group, as older individuals are already born (same will apply when projecting population for the consecutive years for individuals below 10 for year 2030, for individuals below 15 for year 2035, and for individuals below 20 for year 2040.)

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2030									
0-4	258,152	132,419	125,732	283,454	145,397	138,057	297,425	152,563	144,862
5-9	256,365	131,571	124,794	268,976	138,043	130,933	275,450	141,365	134,084
10-14	292,092	150,588	141,504	292,092	150,588	141,504	292,092	150,588	141,504
15-19	277,281	140,686	136,595	277,281	140,686	136,595	277,281	140,686	136,595
20-24	281,338	148,828	132,509	281,338	148,828	132,509	281,338	148,828	132,509
25-29	219,209	117,030	102,180	219,209	117,030	102,180	219,209	117,030	102,180
30-34	216,803	109,489	107,315	216,803	109,489	107,315	216,803	109,489	107,315
35-39	202,493	101,386	101,107	202,493	101,386	101,107	202,493	101,386	101,107
40-44	164,512	80,047	84,465	164,512	80,047	84,465	164,512	80,047	84,465
45-49	135,651	67,360	68,292	135,651	67,360	68,292	135,651	67,360	68,292
50-54	122,829	61,592	61,237	122,829	61,592	61,237	122,829	61,592	61,237
55-59	81,546	40,165	41,381	81,546	40,165	41,381	81,546	40,165	41,381
60-64	47,546	18,340	29,206	47,546	18,340	29,206	47,546	18,340	29,206
65-69	59,264	28,496	30,768	59,264	28,496	30,768	59,264	28,496	30,768
70-74	36,932	16,411	20,522	36,932	16,411	20,522	36,932	16,411	20,522
75-79	20,365	9,083	11,282	20,365	9,083	11,282	20,365	9,083	11,282
80+	21,653	9,293	12,360	21,653	9,293	12,360	21,653	9,293	12,360
Total	2,694,032	1,362,782	1,331,249	2,731,945	1,382,233	1,349,713	2,752,390	1,392,721	1,359,669

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2035									
0-4	254,664	130,589	124,075	294,809	151,174	143,635	317,570	162,845	154,725
5-9	257,317	132,051	125,266	282,531	144,990	137,541	296,453	152,134	144,319
10-14	256,095	131,432	124,663	268,693	137,897	130,795	275,160	141,216	133,943
15-19	291,761	150,400	141,361	291,761	150,400	141,361	291,761	150,400	141,361
20-24	276,802	140,402	136,400	276,802	140,402	136,400	276,802	140,402	136,400
25-29	280,697	148,439	132,258	280,697	148,439	132,258	280,697	148,439	132,258
30-34	218,596	116,671	101,925	218,596	116,671	101,925	218,596	116,671	101,925
35-39	215,993	109,048	106,946	215,993	109,048	106,946	215,993	109,048	106,946
40-44	201,370	100,770	100,599	201,370	100,770	100,599	201,370	100,770	100,599
45-49	163,092	79,268	83,824	163,092	79,268	83,824	163,092	79,268	83,824
50-54	133,730	66,245	67,486	133,730	66,245	67,486	133,730	66,245	67,486
55-59	119,963	59,863	60,100	119,963	59,863	60,100	119,963	59,863	60,100
60-64	78,470	38,308	40,162	78,470	38,308	40,162	78,470	38,308	40,162
65-69	44,664	16,924	27,740	44,664	16,924	27,740	44,664	16,924	27,740
70-74	53,129	24,991	28,138	53,129	24,991	28,138	53,129	24,991	28,138
75-79	31,125	13,388	17,736	31,125	13,388	17,736	31,125	13,388	17,736
80+	26,086	10,912	15,174	26,086	10,912	15,174	26,086	10,912	15,174
Total	2,903,555	1,469,701	1,433,854	2,981,511	1,509,690	1,471,820	3,024,661	1,531,825	1,492,836

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**
2040									
0-4	245,822	126,031	119,791	303,133	155,412	147,720	336,100	172,314	163,786
5-9	253,934	130,262	123,672	293,956	150,792	143,164	316,648	162,432	154,215
10-14	257,075	131,925	125,150	282,265	144,852	137,413	296,174	151,989	144,185
15-19	255,836	131,284	124,552	268,421	137,742	130,679	274,882	141,058	133,824
20-24	291,310	150,126	141,183	291,310	150,126	141,183	291,310	150,126	141,183
25-29	276,241	140,070	136,171	276,241	140,070	136,171	276,241	140,070	136,171
30-34	279,994	148,027	131,966	279,994	148,027	131,966	279,994	148,027	131,966
35-39	217,863	116,248	101,615	217,863	116,248	101,615	217,863	116,248	101,615
40-44	214,910	108,444	106,466	214,910	108,444	106,466	214,910	108,444	106,466
45-49	199,791	99,876	99,915	199,791	99,876	99,915	199,791	99,876	99,915
50-54	161,019	78,079	82,940	161,019	78,079	82,940	161,019	78,079	82,940
55-59	130,894	64,537	66,357	130,894	64,537	66,357	130,894	64,537	66,357
60-64	115,775	57,281	58,494	115,775	57,281	58,494	115,775	57,281	58,494
65-69	74,001	35,636	38,365	74,001	35,636	38,365	74,001	35,636	38,365
70-74	40,575	15,003	25,572	40,575	15,003	25,572	40,575	15,003	25,572
75-79	45,136	20,578	24,558	45,136	20,578	24,558	45,136	20,578	24,558
80+	36,871	15,013	21,858	36,871	15,013	21,858	36,871	15,013	21,858
Total	3,097,047	1,568,419	1,528,627	3,232,154	1,637,716	1,594,438	3,308,183	1,676,711	1,631,472

Table A-2: Population in school age by fertility variant, Erbil 2020 to 2040

Year	Population 6 to less than 12[11]			Population 12 to less than 15[12]			Population 15 to less than 18[13]		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
2020	337,615	337,615	337,615	166,255	166,255	166,255	135,875	135,875	135,875
2021	335,462	335,462	335,462	172,302	172,302	172,302	145,619	145,619	145,619
2022	335,535	335,535	335,535	173,997	173,997	173,997	156,488	156,488	156,488
2023	338,138	338,138	338,138	172,136	172,136	172,136	166,112	166,112	166,112
2024	342,421	342,421	342,421	168,811	168,811	168,811	172,157	172,157	172,157
2025	346,694	346,694	346,694	166,048	166,048	166,048	173,855	173,855	173,855
2026	348,664	348,664	348,664	165,107	165,107	165,107	171,999	171,999	171,999
2027	343,170	344,782	345,541	166,290	166,290	166,290	168,681	168,681	168,681
2028	336,637	340,301	342,076	169,133	169,133	169,133	165,923	165,923	165,923
2029	329,120	335,289	338,349	172,682	172,682	172,682	164,985	164,985	164,985
2030	321,110	330,256	334,878	175,786	175,786	175,786	166,169	166,169	166,169
2031	313,529	326,137	332,609	177,220	177,220	177,220	169,013	169,013	169,013
2032	307,810	324,383	333,003	175,648	175,648	175,648	172,562	172,562	172,562
2033	308,476	327,923	338,240	167,066	168,676	169,434	175,667	175,667	175,667
2034	308,817	331,238	343,311	159,115	162,775	164,547	177,102	177,102	177,102
2035	308,893	334,386	348,275	153,184	159,346	162,402	175,534	175,534	175,534
2036	308,744	337,412	353,180	153,767	161,292	165,152	166,959	168,569	169,326
2037	308,394	340,343	358,052	154,147	163,083	167,775	159,016	162,673	164,445
2038	307,857	343,194	362,908	154,368	164,764	170,319	153,091	159,250	162,304
2039	307,141	345,976	367,761	154,455	166,361	172,808	153,676	161,196	165,054
2040	306,246	348,689	372,612	154,423	167,888	175,258	154,057	162,988	167,678

[11] No difference between scenarios for the period 2020 to 2026, as population in this age group are already born.
[12] No difference between scenarios for the period 2020 to 2032, as population in this age group are already born.
[13] No difference between scenarios for the period 2020 to 2035, as population in this age group are already born.

Appendix B) Detailed results for Sulaymaniyah

Table B-1: Age-sex distribution by fertility variant, Sulaymaniyah 2025 to 2040

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2025[14]									
0-4	226,758	116,312	110,446	237,671	121,909	115,762	243,603	124,951	118,651
5-9	235,400	119,087	116,312	235,400	119,087	116,312	235,400	119,087	116,312
10-14	233,843	120,609	113,234	233,843	120,609	113,234	233,843	120,609	113,234
15-19	249,636	129,457	120,179	249,636	129,457	120,179	249,636	129,457	120,179
20-24	214,185	110,422	103,763	214,185	110,422	103,763	214,185	110,422	103,763
25-29	211,025	109,608	101,417	211,025	109,608	101,417	211,025	109,608	101,417
30-34	192,134	97,906	94,229	192,134	97,906	94,229	192,134	97,906	94,229
35-39	162,479	78,281	84,199	162,479	78,281	84,199	162,479	78,281	84,199
40-44	145,608	68,854	76,754	145,608	68,854	76,754	145,608	68,854	76,754
45-49	140,313	71,467	68,847	140,313	71,467	68,847	140,313	71,467	68,847
50-54	87,866	42,144	45,722	87,866	42,144	45,722	87,866	42,144	45,722
55-59	49,518	17,814	31,704	49,518	17,814	31,704	49,518	17,814	31,704
60-64	73,328	35,903	37,425	73,328	35,903	37,425	73,328	35,903	37,425
65-69	48,316	22,629	25,687	48,316	22,629	25,687	48,316	22,629	25,687
70-74	25,109	12,131	12,978	25,109	12,131	12,978	25,109	12,131	12,978
75-79	18,479	8,635	9,844	18,479	8,635	9,844	18,479	8,635	9,844
80+	23,817	10,267	13,550	23,817	10,267	13,550	23,817	10,267	13,550
Total	2,337,815	1,171,525	1,166,289	2,348,728	1,177,123	1,171,606	2,354,660	1,180,165	1,174,495

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[14] Difference between scenarios appears only in the first age group, as older individuals are already born (same will apply when projecting population for the consecutive years for individuals below 10 for year 2030, for individuals below 15 for year 2035, and for individuals below 20 for year 2040.)

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2030									
0-4	223,213	114,498	108,715	244,918	125,631	119,287	257,129	131,894	125,235
5-9	225,939	115,956	109,984	236,808	121,534	115,274	242,715	124,565	118,149
10-14	235,122	118,949	116,173	235,122	118,949	116,173	235,122	118,949	116,173
15-19	233,547	120,443	113,104	233,547	120,443	113,104	233,547	120,443	113,104
20-24	249,155	129,171	119,984	249,155	129,171	119,984	249,155	129,171	119,984
25-29	213,645	110,106	103,539	213,645	110,106	103,539	213,645	110,106	103,539
30-34	210,369	109,240	101,129	210,369	109,240	101,129	210,369	109,240	101,129
35-39	191,339	97,475	93,864	191,339	97,475	93,864	191,339	97,475	93,864
40-44	161,484	77,761	83,723	161,484	77,761	83,723	161,484	77,761	83,723
45-49	144,214	68,115	76,098	144,214	68,115	76,098	144,214	68,115	76,098
50-54	138,127	70,184	67,943	138,127	70,184	67,943	138,127	70,184	67,943
55-59	85,678	40,893	44,785	85,678	40,893	44,785	85,678	40,893	44,785
60-64	47,545	16,896	30,650	47,545	16,896	30,650	47,545	16,896	30,650
65-69	68,231	32,883	35,348	68,231	32,883	35,348	68,231	32,883	35,348
70-74	43,059	19,722	23,337	43,059	19,722	23,337	43,059	19,722	23,337
75-79	20,823	9,744	11,079	20,823	9,744	11,079	20,823	9,744	11,079
80+	25,309	10,851	14,458	25,309	10,851	14,458	25,309	10,851	14,458
Total	2,516,799	1,262,886	1,253,913	2,549,373	1,279,597	1,269,775	2,567,490	1,288,892	1,278,598

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2035									
0-4	214,655	110,073	104,581	248,390	127,372	121,019	267,609	137,227	130,383
5-9	222,493	114,180	108,314	244,123	125,279	118,843	256,290	131,524	124,767
10-14	225,702	115,834	109,868	236,559	121,406	115,153	242,459	124,434	118,025
15-19	234,858	118,802	116,057	234,858	118,802	116,057	234,858	118,802	116,057
20-24	233,142	120,200	112,943	233,142	120,200	112,943	233,142	120,200	112,943
25-29	248,588	128,833	119,756	248,588	128,833	119,756	248,588	128,833	119,756
30-34	213,048	109,768	103,280	213,048	109,768	103,280	213,048	109,768	103,280
35-39	209,581	108,799	100,782	209,581	108,799	100,782	209,581	108,799	100,782
40-44	190,275	96,883	93,392	190,275	96,883	93,392	190,275	96,883	93,392
45-49	160,088	77,004	83,085	160,088	77,004	83,085	160,088	77,004	83,085
50-54	142,181	66,983	75,198	142,181	66,983	75,198	142,181	66,983	75,198
55-59	134,895	68,213	66,682	134,895	68,213	66,682	134,895	68,213	66,682
60-64	82,483	39,015	43,468	82,483	39,015	43,468	82,483	39,015	43,468
65-69	44,690	15,582	29,108	44,690	15,582	29,108	44,690	15,582	29,108
70-74	61,147	28,826	32,321	61,147	28,826	32,321	61,147	28,826	32,321
75-79	36,271	16,093	20,178	36,271	16,093	20,178	36,271	16,093	20,178
80+	28,451	12,194	16,257	28,451	12,194	16,257	28,451	12,194	16,257
Total	2,682,549	1,347,280	1,335,269	2,748,771	1,381,250	1,367,521	2,786,058	1,400,378	1,385,681

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2040									
0-4	199,835	102,454	97,381	246,395	126,324	120,071	273,124	140,027	133,096
5-9	214,042	109,799	104,243	247,675	127,051	120,623	266,836	136,880	129,955
10-14	222,284	114,071	108,213	243,893	125,160	118,733	256,049	131,398	124,651
15-19	225,473	115,703	109,770	236,320	121,269	115,051	242,214	124,294	117,920
20-24	234,498	118,586	115,911	234,498	118,586	115,911	234,498	118,586	115,911
25-29	232,668	119,915	112,753	232,668	119,915	112,753	232,668	119,915	112,753
30-34	247,966	128,476	119,491	247,966	128,476	119,491	247,966	128,476	119,491
35-39	212,335	109,369	102,967	212,335	109,369	102,967	212,335	109,369	102,967
40-44	208,528	108,197	100,331	208,528	108,197	100,331	208,528	108,197	100,331
45-49	188,781	96,024	92,756	188,781	96,024	92,756	188,781	96,024	92,756
50-54	158,053	75,847	82,205	158,053	75,847	82,205	158,053	75,847	82,205
55-59	139,186	65,248	73,938	139,186	65,248	73,938	139,186	65,248	73,938
60-64	130,170	65,268	64,902	130,170	65,268	64,902	130,170	65,268	64,902
65-69	77,837	36,311	41,527	77,837	36,311	41,527	77,837	36,311	41,527
70-74	40,631	13,802	26,829	40,631	13,802	26,829	40,631	13,802	26,829
75-79	51,922	23,721	28,201	51,922	23,721	28,201	51,922	23,721	28,201
80+	41,864	17,554	24,309	41,864	17,554	24,309	41,864	17,554	24,309
Total	2,826,072	1,420,345	1,405,727	2,938,720	1,478,122	1,460,597	3,002,660	1,510,918	1,491,742

Table B-2: Population in school age by fertility variant, Sulaymaniyah 2020 to 2040

Year	Population 6 to less than 12[15]			Population 12 to less than 15[16]			Population 15 to less than 18[17]		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
2020	288,420	288,420	288,420	149,253	149,253	149,253	131,031	131,031	131,031
2021	283,848	283,848	283,848	152,152	152,152	152,152	136,992	136,992	136,992
2022	278,528	278,528	278,528	151,839	151,839	151,839	143,564	143,564	143,564
2023	275,478	275,478	275,478	148,921	148,921	148,921	149,125	149,125	149,125
2024	274,767	274,767	274,767	144,937	144,937	144,937	152,025	152,025	152,025
2025	276,390	276,390	276,390	141,377	141,377	141,377	151,715	151,715	151,715
2026	281,720	281,720	281,720	139,183	139,183	139,183	148,803	148,803	148,803
2027	280,531	281,914	282,636	138,607	138,607	138,607	144,824	144,824	144,824
2028	281,289	284,439	286,105	136,859	136,859	136,859	141,270	141,270	141,270
2029	281,254	286,565	289,406	136,014	136,014	136,014	139,080	139,080	139,080
2030	280,104	287,983	292,234	135,886	135,886	135,886	138,507	138,507	138,507
2031	277,274	288,139	294,044	139,260	139,260	139,260	136,762	136,762	136,762
2032	270,747	285,029	292,839	145,433	145,433	145,433	135,920	135,920	135,920
2033	270,239	286,999	296,249	144,380	145,761	146,482	135,794	135,794	135,794
2034	269,514	288,822	299,555	141,772	144,917	146,581	139,167	139,167	139,167
2035	268,586	290,511	302,766	135,572	140,877	143,714	145,339	145,339	145,339
2036	267,449	292,058	305,876	135,481	141,971	145,496	144,288	145,669	146,389
2037	266,080	293,437	308,854	135,266	142,976	147,211	141,683	144,827	146,490
2038	264,457	294,618	311,669	134,948	143,912	148,878	135,490	140,792	143,627
2039	262,568	295,587	314,302	134,536	144,792	150,508	135,401	141,887	145,410
2040	260,406	296,330	316,739	134,032	145,614	152,102	135,188	142,893	147,125

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[15] No difference between scenarios for the period 2020 to 2026, as population in this age group are already born.
[16] No difference between scenarios for the period 2020 to 2032, as population in this age group are already born.
[17] No difference between scenarios for the period 2020 to 2035, as population in this age group are already born.

Appendix C) Detailed results for Duhok

Table C-1: Age-sex distribution by fertility variant, Duhok 2025 to 2040

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2025[18]									
0-4	224,220	115,009	109,211	234,508	120,286	114,222	240,445	123,331	117,115
5-9	230,759	118,018	112,740	230,759	118,018	112,740	230,759	118,018	112,740
10-14	222,649	112,858	109,792	222,649	112,858	109,792	222,649	112,858	109,792
15-19	219,049	110,960	108,090	219,049	110,960	108,090	219,049	110,960	108,090
20-24	178,482	91,636	86,846	178,482	91,636	86,846	178,482	91,636	86,846
25-29	164,351	83,401	80,951	164,351	83,401	80,951	164,351	83,401	80,951
30-34	149,130	76,067	73,062	149,130	76,067	73,062	149,130	76,067	73,062
35-39	111,214	53,687	57,526	111,214	53,687	57,526	111,214	53,687	57,526
40-44	92,046	44,107	47,939	92,046	44,107	47,939	92,046	44,107	47,939
45-49	77,307	40,193	37,115	77,307	40,193	37,115	77,307	40,193	37,115
50-54	47,075	24,181	22,894	47,075	24,181	22,894	47,075	24,181	22,894
55-59	29,603	10,511	19,092	29,603	10,511	19,092	29,603	10,511	19,092
60-64	43,293	20,506	22,787	43,293	20,506	22,787	43,293	20,506	22,787
65-69	25,699	12,563	13,137	25,699	12,563	13,137	25,699	12,563	13,137
70-74	13,021	5,666	7,354	13,021	5,666	7,354	13,021	5,666	7,354
75-79	9,401	4,664	4,738	9,401	4,664	4,738	9,401	4,664	4,738
80+	12,164	5,071	7,092	12,164	5,071	7,092	12,164	5,071	7,092
Total	1,849,464	929,098	920,366	1,859,753	934,375	925,378	1,865,690	937,420	928,270

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[18] Difference between scenarios are limited to the first age group only as older individuals are already born (same will apply when projecting population for the consecutive years for individuals below 10 for year 2030, for individuals below 15 for year 2035, and for individuals below 20 for year 2040.

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2030									
0-4	235,953	121,032	114,922	258,449	132,570	125,879	271,481	139,254	132,227
5-9	223,402	114,653	108,748	233,647	119,912	113,735	239,559	122,946	116,613
10-14	230,487	117,881	112,606	230,487	117,881	112,606	230,487	117,881	112,606
15-19	222,369	112,703	109,666	222,369	112,703	109,666	222,369	112,703	109,666
20-24	218,629	110,715	107,914	218,629	110,715	107,914	218,629	110,715	107,914
25-29	178,032	91,374	86,659	178,032	91,374	86,659	178,032	91,374	86,659
30-34	163,841	83,120	80,721	163,841	83,120	80,721	163,841	83,120	80,721
35-39	148,513	75,733	72,780	148,513	75,733	72,780	148,513	75,733	72,780
40-44	110,535	53,333	57,202	110,535	53,333	57,202	110,535	53,333	57,202
45-49	91,167	43,637	47,531	91,167	43,637	47,531	91,167	43,637	47,531
50-54	76,103	39,473	36,630	76,103	39,473	36,630	76,103	39,473	36,630
55-59	45,886	23,461	22,425	45,886	23,461	22,425	45,886	23,461	22,425
60-64	28,423	9,970	18,454	28,423	9,970	18,454	28,423	9,970	18,454
65-69	40,310	18,782	21,528	40,310	18,782	21,528	40,310	18,782	21,528
70-74	22,895	10,954	11,940	22,895	10,954	11,940	22,895	10,954	11,940
75-79	10,830	4,554	6,275	10,830	4,554	6,275	10,830	4,554	6,275
80+	12,899	5,606	7,292	12,899	5,606	7,292	12,899	5,606	7,292
Total	2,060,275	1,036,983	1,023,292	2,093,015	1,053,779	1,039,237	2,111,960	1,063,498	1,048,463

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2035									
0-4	240,826	123,493	117,333	278,325	142,721	135,604	300,079	153,876	146,203
5-9	235,186	120,693	114,493	257,602	132,196	125,405	270,588	138,860	131,727
10-14	223,166	114,533	108,634	233,401	119,785	113,616	239,307	122,816	116,490
15-19	230,228	117,735	112,493	230,228	117,735	112,493	230,228	117,735	112,493
20-24	221,985	112,476	109,509	221,985	112,476	109,509	221,985	112,476	109,509
25-29	218,135	110,425	107,710	218,135	110,425	107,710	218,135	110,425	107,710
30-34	177,536	91,094	86,443	177,536	91,094	86,443	177,536	91,094	86,443
35-39	163,230	82,785	80,444	163,230	82,785	80,444	163,230	82,785	80,444
40-44	147,689	75,274	72,415	147,689	75,274	72,415	147,689	75,274	72,415
45-49	109,584	52,816	56,768	109,584	52,816	56,768	109,584	52,816	56,768
50-54	89,885	42,914	46,971	89,885	42,914	46,971	89,885	42,914	46,971
55-59	74,321	38,367	35,953	74,321	38,367	35,953	74,321	38,367	35,953
60-64	44,146	22,382	21,764	44,146	22,382	21,764	44,146	22,382	21,764
65-69	26,714	9,195	17,519	26,714	9,195	17,519	26,714	9,195	17,519
70-74	36,157	16,466	19,691	36,157	16,466	19,691	36,157	16,466	19,691
75-79	19,276	8,944	10,331	19,276	8,944	10,331	19,276	8,944	10,331
80+	14,674	5,990	8,684	14,674	5,990	8,684	14,674	5,990	8,684
Total	2,272,737	1,145,583	1,127,154	2,342,886	1,181,566	1,161,319	2,383,532	1,202,416	1,181,116

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2040									
0-4	236,260	121,128	115,132	291,104	149,245	141,859	322,990	165,592	157,397
5-9	240,132	123,182	116,950	277,516	142,359	135,157	299,204	153,484	145,720
10-14	234,965	120,578	114,386	257,359	132,070	125,289	270,333	138,728	131,605
15-19	222,941	114,404	108,537	233,165	119,651	113,515	239,066	122,678	116,387
20-24	229,874	117,522	112,352	229,874	117,522	112,352	229,874	117,522	112,352
25-29	221,535	112,210	109,325	221,535	112,210	109,325	221,535	112,210	109,325
30-34	217,591	110,119	107,472	217,591	110,119	107,472	217,591	110,119	107,472
35-39	176,944	90,763	86,181	176,944	90,763	86,181	176,944	90,763	86,181
40-44	162,412	82,328	80,084	162,412	82,328	80,084	162,412	82,328	80,084
45-49	146,531	74,608	71,923	146,531	74,608	71,923	146,531	74,608	71,923
50-54	108,197	52,027	56,170	108,197	52,027	56,170	108,197	52,027	56,170
55-59	87,995	41,808	46,187	87,995	41,808	46,187	87,995	41,808	46,187
60-64	71,713	36,715	34,998	71,713	36,715	34,998	71,713	36,715	34,998
65-69	41,618	20,828	20,790	41,618	20,828	20,790	41,618	20,828	20,790
70-74	24,283	8,145	16,138	24,283	8,145	16,138	24,283	8,145	16,138
75-79	30,741	13,551	17,189	30,741	13,551	17,189	30,741	13,551	17,189
80+	22,034	9,348	12,686	22,034	9,348	12,686	22,034	9,348	12,686
Total	2,475,765	1,249,263	1,226,501	2,600,612	1,313,296	1,287,315	2,673,059	1,350,454	1,322,605

Table C-2: Population in school age by fertility variant, Duhok 2020 to 2040

Year	Population 6 to less than 12[19]			Population 12 to less than 15[20]			Population 15 to less than 18[21]		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
2020	267,924	267,924	267,924	129,146	129,146	129,146	110,663	110,663	110,663
2021	267,879	267,879	267,879	133,124	133,124	133,124	116,703	116,703	116,703
2022	266,448	266,448	266,448	134,846	134,846	134,846	123,210	123,210	123,210
2023	266,209	266,209	266,209	134,703	134,703	134,703	129,035	129,035	129,035
2024	267,330	267,330	267,330	133,731	133,731	133,731	133,013	133,013	133,013
2025	270,014	270,014	270,014	132,931	132,931	132,931	134,736	134,736	134,736
2026	275,846	275,846	275,846	132,925	132,925	132,925	134,597	134,597	134,597
2027	274,093	275,307	276,005	133,858	133,858	133,858	133,628	133,628	133,628
2028	274,588	277,412	279,036	133,237	133,237	133,237	132,831	132,831	132,831
2029	274,951	279,800	282,593	133,011	133,011	133,011	132,827	132,827	132,827
2030	274,852	282,166	286,384	133,205	133,205	133,205	133,762	133,762	133,762
2031	273,726	283,968	289,879	136,513	136,513	136,513	133,142	133,142	133,142
2032	269,582	283,239	291,126	142,568	142,568	142,568	132,919	132,919	132,919
2033	272,842	289,209	298,671	140,629	141,842	142,539	133,115	133,115	133,115
2034	275,808	295,025	306,144	137,824	140,644	142,266	136,422	136,422	136,422
2035	278,494	300,701	313,558	132,140	136,983	139,773	142,476	142,476	142,476
2036	280,898	306,235	320,910	133,983	140,077	143,594	140,540	141,752	142,448
2037	282,987	311,591	328,165	135,668	143,080	147,363	137,738	140,556	142,178
2038	284,728	316,731	335,281	137,215	146,016	151,105	132,060	136,900	139,688
2039	286,105	321,637	342,239	138,633	148,892	154,829	133,904	139,994	143,509
2040	287,109	326,297	349,023	139,918	151,706	158,532	135,589	142,997	147,277

[19] No difference between scenarios for the period 2020 to 2026, as population in this age group are already born.
[20] No difference between scenarios for the period 2020 to 2032, as population in this age group are already born.
[21] No difference between scenarios for the period 2020 to 2035, as population in this age group are already born.

Appendix D) Detailed results for Halabja

Table D-1: Age-sex distribution by fertility variant, Halabja 2025 to 2040

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**
2025[22]									
0-4	12,163	6,239	5,924	12,748	6,539	6,209	13,066	6,702	6,364
5-9	12,626	6,387	6,239	12,626	6,387	6,239	12,626	6,387	6,239
10-14	12,542	6,469	6,073	12,542	6,469	6,073	12,542	6,469	6,073
15-19	13,389	6,943	6,446	13,389	6,943	6,446	13,389	6,943	6,446
20-24	11,487	5,922	5,565	11,487	5,922	5,565	11,487	5,922	5,565
25-29	11,319	5,879	5,440	11,319	5,879	5,440	11,319	5,879	5,440
30-34	10,305	5,251	5,054	10,305	5,251	5,054	10,305	5,251	5,054
35-39	8,715	4,199	4,516	8,715	4,199	4,516	8,715	4,199	4,516
40-44	7,810	3,693	4,117	7,810	3,693	4,117	7,810	3,693	4,117
45-49	7,526	3,833	3,693	7,526	3,833	3,693	7,526	3,833	3,693
50-54	4,713	2,261	2,452	4,713	2,261	2,452	4,713	2,261	2,452
55-59	2,656	956	1,700	2,656	956	1,700	2,656	956	1,700
60-64	3,933	1,926	2,007	3,933	1,926	2,007	3,933	1,926	2,007
65-69	2,591	1,213	1,378	2,591	1,213	1,378	2,591	1,213	1,378
70-74	1,347	651	696	1,347	651	696	1,347	651	696
75-79	991	463	528	991	463	528	991	463	528
80+	1,277	550	727	1,277	550	727	1,277	550	727
Total	125,389	62,834	62,554	125,974	63,135	62,840	126,292	63,298	62,995

[22] Difference between scenarios are limited to the first age group only as older individuals are already born (same will apply when projecting population for the consecutive years for individuals below 10 for year 2030, for individuals below 15 for year 2035, and for individuals below 20 for year 2040.

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2030									
0-4	11,972	6,141	5,831	13,136	6,738	6,398	13,791	7,074	6,717
5-9	12,119	6,219	5,899	12,702	6,519	6,183	13,018	6,681	6,337
10-14	12,611	6,380	6,231	12,611	6,380	6,231	12,611	6,380	6,231
15-19	12,526	6,460	6,066	12,526	6,460	6,066	12,526	6,460	6,066
20-24	13,363	6,928	6,435	13,363	6,928	6,435	13,363	6,928	6,435
25-29	11,458	5,905	5,553	11,458	5,905	5,553	11,458	5,905	5,553
30-34	11,283	5,859	5,424	11,283	5,859	5,424	11,283	5,859	5,424
35-39	10,262	5,228	5,034	10,262	5,228	5,034	10,262	5,228	5,034
40-44	8,662	4,171	4,491	8,662	4,171	4,491	8,662	4,171	4,491
45-49	7,735	3,653	4,082	7,735	3,653	4,082	7,735	3,653	4,082
50-54	7,409	3,764	3,644	7,409	3,764	3,644	7,409	3,764	3,644
55-59	4,595	2,193	2,402	4,595	2,193	2,402	4,595	2,193	2,402
60-64	2,550	906	1,644	2,550	906	1,644	2,550	906	1,644
65-69	3,659	1,764	1,895	3,659	1,764	1,895	3,659	1,764	1,895
70-74	2,309	1,058	1,252	2,309	1,058	1,252	2,309	1,058	1,252
75-79	1,117	523	594	1,117	523	594	1,117	523	594
80+	1,357	582	775	1,357	582	775	1,357	582	775
Total	134,989	67,735	67,254	136,736	68,631	68,105	137,708	69,130	68,578

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
2035									
0-4	11,513	5,904	5,609	13,322	6,831	6,491	14,353	7,360	6,993
5-9	11,934	6,124	5,809	13,094	6,719	6,374	13,746	7,054	6,692
10-14	12,106	6,213	5,893	12,688	6,512	6,176	13,005	6,674	6,330
15-19	12,597	6,372	6,225	12,597	6,372	6,225	12,597	6,372	6,225
20-24	12,505	6,447	6,057	12,505	6,447	6,057	12,505	6,447	6,057
25-29	13,333	6,910	6,423	13,333	6,910	6,423	13,333	6,910	6,423
30-34	11,426	5,887	5,539	11,426	5,887	5,539	11,426	5,887	5,539
35-39	11,241	5,835	5,406	11,241	5,835	5,406	11,241	5,835	5,406
40-44	10,205	5,196	5,009	10,205	5,196	5,009	10,205	5,196	5,009
45-49	8,587	4,131	4,457	8,587	4,131	4,457	8,587	4,131	4,457
50-54	7,626	3,593	4,033	7,626	3,593	4,033	7,626	3,593	4,033
55-59	7,235	3,659	3,577	7,235	3,659	3,577	7,235	3,659	3,577
60-64	4,424	2,093	2,331	4,424	2,093	2,331	4,424	2,093	2,331
65-69	2,397	836	1,561	2,397	836	1,561	2,397	836	1,561
70-74	3,279	1,546	1,733	3,279	1,546	1,733	3,279	1,546	1,733
75-79	1,945	863	1,082	1,945	863	1,082	1,945	863	1,082
80+	1,526	654	872	1,526	654	872	1,526	654	872
Total	143,879	72,261	71,618	147,431	74,083	73,347	149,431	75,109	74,321

	Low fertility variant			Medium fertility variant			High fertility variant		
	Total	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**
2040									
0-4	10,718	5,495	5,223	13,215	6,775	6,440	14,649	7,510	7,138
5-9	11,480	5,889	5,591	13,284	6,814	6,470	14,312	7,341	6,970
10-14	11,922	6,118	5,804	13,081	6,713	6,368	13,733	7,048	6,686
15-19	12,094	6,206	5,888	12,675	6,504	6,171	12,992	6,667	6,325
20-24	12,577	6,360	6,217	12,577	6,360	6,217	12,577	6,360	6,217
25-29	12,479	6,432	6,047	12,479	6,432	6,047	12,479	6,432	6,047
30-34	13,299	6,890	6,409	13,299	6,890	6,409	13,299	6,890	6,409
35-39	11,388	5,866	5,522	11,388	5,866	5,522	11,388	5,866	5,522
40-44	11,185	5,803	5,382	11,185	5,803	5,382	11,185	5,803	5,382
45-49	10,125	5,150	4,975	10,125	5,150	4,975	10,125	5,150	4,975
50-54	8,478	4,068	4,409	8,478	4,068	4,409	8,478	4,068	4,409
55-59	7,466	3,500	3,966	7,466	3,500	3,966	7,466	3,500	3,966
60-64	6,982	3,501	3,481	6,982	3,501	3,481	6,982	3,501	3,481
65-69	4,175	1,948	2,227	4,175	1,948	2,227	4,175	1,948	2,227
70-74	2,179	740	1,439	2,179	740	1,439	2,179	740	1,439
75-79	2,785	1,272	1,512	2,785	1,272	1,512	2,785	1,272	1,512
80+	2,245	941	1,304	2,245	941	1,304	2,245	941	1,304
Total	151,577	76,180	75,396	157,618	79,279	78,339	161,048	81,038	80,010

Table D-2: Population in school age by fertility variant, Halabja 2020 to 2040

Year	Population 6 to less than 12[23]			Population 12 to less than 15[24]			Population 15 to less than 18[25]		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
2020	15,469	15,469	15,469	8,005	8,005	8,005	7,027	7,027	7,027
2021	15,224	15,224	15,224	8,160	8,160	8,160	7,347	7,347	7,347
2022	14,939	14,939	14,939	8,144	8,144	8,144	7,700	7,700	7,700
2023	14,775	14,775	14,775	7,987	7,987	7,987	7,998	7,998	7,998
2024	14,737	14,737	14,737	7,774	7,774	7,774	8,154	8,154	8,154
2025	14,824	14,824	14,824	7,583	7,583	7,583	8,137	8,137	8,137
2026	15,110	15,110	15,110	7,465	7,465	7,465	7,981	7,981	7,981
2027	15,047	15,121	15,159	7,434	7,434	7,434	7,768	7,768	7,768
2028	15,087	15,256	15,346	7,341	7,341	7,341	7,577	7,577	7,577
2029	15,085	15,370	15,523	7,295	7,295	7,295	7,460	7,460	7,460
2030	15,024	15,446	15,674	7,288	7,288	7,288	7,429	7,429	7,429
2031	14,872	15,455	15,772	7,469	7,469	7,469	7,335	7,335	7,335
2032	14,522	15,288	15,707	7,800	7,800	7,800	7,290	7,290	7,290
2033	14,495	15,394	15,890	7,744	7,818	7,857	7,283	7,283	7,283
2034	14,456	15,491	16,067	7,604	7,773	7,862	7,464	7,464	7,464
2035	14,406	15,582	16,239	7,272	7,556	7,708	7,795	7,795	7,795
2036	14,345	15,665	16,406	7,267	7,615	7,804	7,739	7,813	7,852
2037	14,271	15,739	16,565	7,255	7,669	7,896	7,599	7,768	7,857
2038	14,184	15,802	16,716	7,238	7,719	7,985	7,267	7,552	7,704
2039	14,083	15,854	16,857	7,216	7,766	8,073	7,262	7,610	7,799
2040	13,967	15,894	16,988	7,189	7,810	8,158	7,251	7,664	7,891

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[23] No difference between scenarios for the period 2020 to 2026, as population in this age group are already born.
[24] No difference between scenarios for the period 2020 to 2032, as population in this age group are already born.
[25] No difference between scenarios for the period 2020 to 2035, as population in this age group are already born.

Appendix E) Yearly population projections total population and selected age groups 2020-2040

Table E-1: Yearly population projections by governorate, medium scenario 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	6,171,085	2,254,421	2,152,597	1,648,613	115,454
2021	6,297,603	2,300,059	2,191,206	1,688,813	117,525
2022	6,426,236	2,346,364	2,230,169	1,730,088	119,615
2023	6,556,752	2,393,225	2,269,439	1,772,367	121,721
2024	6,688,975	2,440,560	2,308,972	1,815,601	123,842
2025	6,822,770	2,488,315	2,348,728	1,859,753	125,974
2026	6,958,026	2,536,448	2,388,669	1,904,792	128,117
2027	7,094,592	2,584,906	2,428,745	1,950,675	130,266
2028	7,232,355	2,633,654	2,468,916	1,997,364	132,421
2029	7,371,214	2,682,671	2,509,140	2,044,825	134,578
2030	7,511,069	2,731,945	2,549,373	2,093,015	136,736
2031	7,651,790	2,781,463	2,589,559	2,141,876	138,892
2032	7,793,234	2,831,208	2,629,643	2,191,342	141,041
2033	7,935,281	2,881,156	2,669,576	2,241,366	143,183
2034	8,077,788	2,931,275	2,709,304	2,291,895	145,314
2035	8,220,599	2,981,511	2,748,771	2,342,886	147,431
2036	8,363,380	3,031,796	2,787,861	2,394,196	149,527
2037	8,505,786	3,082,070	2,826,447	2,445,672	151,597
2038	8,647,635	3,132,277	2,864,469	2,497,253	153,636
2039	8,788,780	3,182,344	2,901,892	2,548,901	155,643
2040	8,929,104	3,232,154	2,938,720	2,600,612	157,618

Table E-2: Yearly age and sex projections by governorate, medium scenario 2020-2040

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2020															
0-4	293,642	151,314	142,328	236,410	119,535	116,875	231,748	118,462	113,286	12,680	6,411	6,269	774,480	395,722	378,758
5-9	278,001	141,068	136,933	234,154	120,770	113,384	222,946	113,009	109,937	12,559	6,478	6,081	747,660	381,325	366,335
10-14	282,285	149,391	132,894	249,993	129,660	120,333	219,361	111,133	108,228	13,408	6,954	6,454	765,047	397,138	367,909
15-19	220,248	117,661	102,587	214,653	110,701	103,952	178,871	91,867	87,004	11,512	5,937	5,575	625,284	326,166	299,118
20-24	218,101	110,219	107,882	211,631	109,968	101,663	164,821	83,674	81,147	11,351	5,898	5,453	605,904	309,759	296,145
25-29	204,047	102,225	101,822	192,809	98,281	94,528	149,653	76,359	73,294	10,341	5,271	5,070	556,850	282,136	274,714
30-34	166,295	80,984	85,311	163,236	78,672	84,564	111,730	53,955	57,775	8,756	4,220	4,536	450,017	217,831	232,186
35-39	137,914	68,600	69,314	146,615	69,375	77,240	92,681	44,440	48,241	7,864	3,721	4,143	385,074	186,136	198,938
40-44	126,110	63,467	62,643	141,824	72,323	69,501	78,139	40,673	37,466	7,607	3,879	3,728	353,680	180,342	173,338
45-49	85,087	42,222	42,865	89,361	42,972	46,389	47,886	24,657	23,229	4,793	2,305	2,488	227,127	112,156	114,971
50-54	50,913	19,997	30,916	50,882	18,434	32,448	30,420	10,877	19,543	2,729	989	1,740	134,944	50,297	84,647
55-59	66,747	32,941	33,806	76,877	38,032	38,845	45,370	21,721	23,649	4,123	2,040	2,083	193,117	94,734	98,383
60-64	44,669	20,643	24,026	52,112	24,804	27,308	27,727	13,766	13,961	2,795	1,330	1,465	127,303	60,543	66,760
65-69	27,824	13,135	14,689	28,476	14,068	14,408	14,735	6,568	8,167	1,528	755	773	72,563	34,526	38,037
70-74	21,260	10,172	11,088	22,640	10,930	11,710	11,539	5,908	5,631	1,214	586	628	56,653	27,596	29,057
75-79	13,111	6,092	7,019	16,681	8,081	8,600	7,757	3,899	3,858	894	433	461	38,443	18,505	19,938
80+	18,167	8,011	10,156	24,243	10,225	14,018	13,229	5,131	8,098	1,300	548	752	56,939	23,915	33,024
Total	2,254,421	1,138,142	1,116,279	2,152,597	1,076,831	1,075,766	1,648,613	826,099	822,514	115,454	57,755	57,699	6,171,085	3,098,827	3,072,258

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2021															
0-4	288,363	149,010	139,352	238,488	120,967	117,521	232,728	119,080	113,648	12,792	6,488	6,304	772,371	395,545	376,825
5-9	279,426	141,301	138,125	230,339	118,219	112,121	221,958	112,702	109,257	12,354	6,341	6,013	744,077	378,563	365,516
10-14	286,070	150,270	135,801	250,199	129,772	120,427	222,703	112,703	110,000	13,419	6,960	6,459	772,391	399,705	372,687
15-19	230,077	123,361	106,715	220,600	113,802	106,798	186,035	95,387	90,648	11,831	6,103	5,728	648,543	338,653	309,889
20-24	217,239	110,790	106,449	212,115	110,163	101,952	166,575	84,692	81,883	11,377	5,908	5,468	607,306	311,553	295,752
25-29	208,927	104,840	104,087	197,827	101,539	96,289	154,470	78,958	75,512	10,610	5,446	5,164	571,834	290,783	281,052
30-34	173,833	84,973	88,859	168,497	82,131	86,366	118,558	57,957	60,600	9,038	4,405	4,633	469,926	229,466	240,458
35-39	141,645	70,041	71,604	148,040	69,643	78,397	95,344	45,377	49,966	7,941	3,735	4,205	392,970	188,796	204,172
40-44	129,936	65,304	64,632	145,703	73,583	72,120	82,072	42,102	39,969	7,815	3,947	3,868	365,526	184,936	180,589
45-49	93,953	47,243	46,711	100,640	49,744	50,896	53,711	28,241	25,470	5,398	2,668	2,730	253,702	127,896	125,807
50-54	53,391	21,605	31,787	52,849	19,617	33,232	30,806	11,573	19,233	2,835	1,052	1,782	139,881	53,847	86,034
55-59	64,511	30,962	33,548	73,027	34,965	38,062	43,560	20,048	23,512	3,916	1,876	2,041	185,014	87,851	97,163
60-64	49,387	23,244	26,143	58,005	27,937	30,067	31,610	15,710	15,900	3,111	1,498	1,613	142,113	68,389	73,723
65-69	29,662	13,800	15,862	31,213	15,194	16,019	16,140	7,306	8,834	1,675	815	859	78,690	37,115	41,574
70-74	21,697	10,310	11,387	22,657	10,942	11,715	11,583	5,735	5,848	1,215	587	628	57,152	27,574	29,578
75-79	14,133	6,691	7,442	16,678	8,069	8,609	8,101	4,071	4,030	894	432	462	39,806	19,263	20,543
80+	17,810	7,718	10,092	24,328	10,301	14,027	12,859	5,094	7,764	1,304	552	752	56,301	23,665	32,635
Total	2,300,059	1,161,462	1,138,596	2,191,206	1,096,588	1,094,618	1,688,813	846,738	842,074	117,525	58,815	58,710	6,297,603	3,163,603	3,133,998

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2022															
0-4	282,652	146,287	136,365	240,223	122,223	118,000	234,060	119,874	114,186	12,885	6,555	6,329	769,820	394,939	374,880
5-9	283,094	143,188	139,906	228,583	116,775	111,808	222,056	112,932	109,124	12,260	6,263	5,997	745,993	379,158	366,835
10-14	285,344	148,541	136,802	247,081	128,077	119,004	223,640	113,153	110,488	13,252	6,869	6,383	769,317	396,640	372,677
15-19	243,914	130,790	113,124	228,957	118,266	110,691	194,982	99,663	95,319	12,279	6,343	5,937	680,132	355,062	325,071
20-24	215,250	111,131	104,120	211,411	109,599	101,812	168,153	85,759	82,395	11,339	5,878	5,461	606,153	312,367	293,788
25-29	212,720	106,730	105,990	202,372	104,414	97,958	157,957	80,637	77,320	10,854	5,600	5,254	583,903	297,381	286,522
30-34	181,877	89,483	92,395	174,390	86,063	88,327	126,553	62,733	63,821	9,354	4,616	4,738	492,174	242,895	249,281
35-39	146,415	71,922	74,493	150,443	70,789	79,653	98,177	46,594	51,584	8,070	3,797	4,273	403,105	193,102	210,003
40-44	132,006	66,248	65,758	146,804	72,978	73,826	85,050	42,840	42,210	7,874	3,914	3,960	371,734	185,980	185,754
45-49	102,987	52,015	50,972	112,460	56,637	55,824	60,049	31,819	28,231	6,032	3,038	2,994	281,528	143,509	138,021
50-54	58,801	25,316	33,485	58,542	23,366	35,176	33,119	13,728	19,390	3,140	1,254	1,886	153,602	63,664	89,937
55-59	59,870	27,345	32,526	66,051	29,838	36,213	39,780	17,204	22,576	3,542	1,601	1,942	169,243	75,988	93,257
60-64	54,707	26,338	28,370	64,344	31,494	32,849	35,971	17,835	18,137	3,451	1,689	1,762	158,473	77,356	81,118
65-69	31,885	14,593	17,292	34,682	16,572	18,110	17,903	8,316	9,587	1,861	889	972	86,331	40,370	45,961
70-74	22,047	10,418	11,629	22,567	10,942	11,626	11,582	5,483	6,099	1,211	587	624	57,407	27,430	29,978
75-79	15,145	7,182	7,963	17,122	8,206	8,916	8,524	4,319	4,205	918	440	478	41,709	20,147	21,562
80+	17,649	7,605	10,043	24,137	10,279	13,858	12,529	5,025	7,504	1,294	551	743	55,609	23,460	32,148
Total	2,346,364	1,185,132	1,161,232	2,230,169	1,116,519	1,113,650	1,730,088	867,913	862,175	119,615	59,884	59,731	6,426,236	3,229,448	3,196,788

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2023															
0-4	276,984	143,308	133,676	241,283	123,129	118,154	235,408	120,668	114,740	12,942	6,604	6,338	766,617	393,709	372,908
5-9	287,723	146,059	141,664	228,629	116,313	112,315	223,194	113,689	109,505	12,263	6,239	6,024	751,809	382,300	369,508
10-14	282,070	145,413	136,657	242,108	125,347	116,761	223,141	112,946	110,195	12,985	6,723	6,262	760,304	390,429	369,875
15-19	259,301	138,664	120,637	238,043	123,170	114,873	204,506	104,150	100,356	12,767	6,606	6,161	714,617	372,590	342,027
20-24	213,722	111,856	101,866	210,615	108,920	101,695	170,182	87,106	83,077	11,296	5,842	5,454	605,815	313,724	292,092
25-29	215,386	108,041	107,345	206,226	106,788	99,439	160,436	81,669	78,768	11,061	5,727	5,334	593,109	302,225	290,886
30-34	189,901	94,121	95,781	180,576	90,213	90,363	134,960	67,772	67,188	9,685	4,839	4,847	515,122	256,945	258,179
35-39	152,133	74,297	77,835	153,777	72,739	81,038	101,521	48,267	53,254	8,249	3,902	4,347	415,680	199,205	216,474
40-44	133,139	66,685	66,454	146,190	71,290	74,899	87,397	43,167	44,230	7,841	3,824	4,017	374,567	184,966	189,600
45-49	111,574	56,315	55,259	123,788	63,017	60,771	66,442	35,159	31,283	6,640	3,380	3,260	308,444	157,871	150,573
50-54	66,385	30,472	35,913	67,120	29,017	38,104	36,990	16,937	20,053	3,600	1,557	2,043	174,095	77,983	96,113
55-59	54,459	23,239	31,220	58,051	24,081	33,971	35,202	13,996	21,207	3,113	1,292	1,822	150,825	62,608	88,220
60-64	59,637	29,227	30,410	69,932	34,649	35,283	40,004	19,688	20,315	3,751	1,858	1,892	173,324	85,422	87,900
65-69	34,555	15,622	18,933	38,786	18,247	20,540	20,064	9,564	10,500	2,081	979	1,102	95,486	44,412	51,075
70-74	22,501	10,572	11,929	22,698	11,051	11,647	11,702	5,288	6,414	1,218	593	625	58,119	27,504	30,615
75-79	16,059	7,566	8,492	17,707	8,389	9,318	8,924	4,544	4,381	949	450	500	43,639	20,949	22,691
80+	17,696	7,631	10,065	23,910	10,239	13,670	12,293	4,983	7,310	1,282	549	733	55,181	23,402	31,778
Total	2,393,225	1,209,088	1,184,137	2,269,439	1,136,599	1,132,841	1,772,367	889,592	882,776	121,721	60,961	60,760	6,556,752	3,296,240	3,260,514

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2024															
0-4	272,272	140,475	131,798	241,103	123,389	117,714	236,215	121,167	115,048	12,932	6,618	6,314	762,522	391,649	370,874
5-9	291,525	148,955	142,570	230,393	116,800	113,593	225,529	115,070	110,458	12,357	6,264	6,093	759,804	387,089	372,714
10-14	278,867	142,470	136,397	237,222	122,609	114,613	222,499	112,698	109,801	12,723	6,577	6,147	751,311	384,354	366,958
15-19	272,768	145,196	127,572	245,484	127,204	118,280	212,922	108,091	104,831	13,166	6,822	6,344	744,340	387,313	357,027
20-24	214,774	113,771	101,003	211,218	109,004	102,215	173,462	89,011	84,451	11,328	5,846	5,482	610,782	317,632	293,151
25-29	216,930	109,011	107,919	209,144	108,534	100,611	162,425	82,479	79,945	11,218	5,821	5,397	599,717	305,845	293,872
30-34	197,218	98,361	98,856	186,606	94,245	92,360	142,732	72,381	70,351	10,008	5,055	4,954	536,564	270,042	266,521
35-39	158,575	77,190	81,385	157,848	75,293	82,555	105,787	50,597	55,190	8,467	4,039	4,428	430,677	207,119	223,558
40-44	134,508	67,162	67,346	145,410	69,641	75,769	89,601	43,486	46,115	7,799	3,735	4,064	377,318	184,024	193,294
45-49	118,990	59,925	59,065	133,354	68,124	65,230	72,325	38,005	34,320	7,153	3,654	3,499	331,822	169,708	162,114
50-54	74,972	36,083	38,890	77,252	35,544	41,707	41,806	20,579	21,227	4,143	1,907	2,237	198,173	94,113	104,061
55-59	50,502	20,211	30,291	51,879	19,628	32,251	31,433	11,514	19,919	2,782	1,053	1,729	136,596	52,406	84,190
60-64	62,885	30,998	31,887	73,230	36,330	36,900	42,658	20,692	21,966	3,927	1,949	1,979	182,700	89,969	92,732
65-69	37,742	17,019	20,723	43,390	20,271	23,119	22,670	11,000	11,670	2,327	1,087	1,240	106,129	49,377	56,752
70-74	23,281	10,852	12,429	23,453	11,415	12,039	12,137	5,313	6,824	1,258	613	646	60,129	28,193	31,938
75-79	16,809	7,848	8,960	18,203	8,545	9,658	9,228	4,670	4,557	976	458	518	45,216	21,521	23,693
80+	17,944	7,760	10,184	23,783	10,229	13,554	12,172	4,997	7,175	1,275	548	727	55,174	23,534	31,640
Total	2,440,560	1,233,286	1,207,274	2,308,972	1,156,806	1,152,167	1,815,601	911,751	903,850	123,842	62,045	61,797	6,688,975	3,363,888	3,325,088

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2025															
0-4	269,960	138,471	131,489	237,671	121,909	115,762	234,508	120,286	114,222	12,748	6,539	6,209	754,887	387,205	367,682
5-9	292,434	150,762	141,672	235,400	119,087	116,312	230,759	118,018	112,740	12,626	6,387	6,239	771,219	394,254	376,963
10-14	277,631	140,879	136,752	233,843	120,609	113,234	222,649	112,858	109,792	12,542	6,469	6,073	746,665	380,815	365,851
15-19	281,882	149,158	132,724	249,636	129,457	120,179	219,049	110,960	108,090	13,389	6,943	6,446	763,956	396,518	367,439
20-24	219,766	117,366	102,401	214,185	110,422	103,763	178,482	91,636	86,846	11,487	5,922	5,565	623,920	325,346	298,575
25-29	217,479	109,859	107,620	211,025	109,608	101,417	164,351	83,401	80,951	11,319	5,879	5,440	604,174	308,747	295,428
30-34	203,334	101,834	101,500	192,134	97,906	94,229	149,130	76,067	73,062	10,305	5,251	5,054	554,903	281,058	273,845
35-39	165,525	80,581	84,944	162,479	78,281	84,199	111,214	53,687	57,526	8,715	4,199	4,516	447,933	216,748	231,185
40-44	136,966	68,087	68,879	145,608	68,854	76,754	92,046	44,107	47,939	7,810	3,693	4,117	382,430	184,741	197,689
45-49	124,769	62,716	62,053	140,313	71,467	68,847	77,307	40,193	37,115	7,526	3,833	3,693	349,915	178,209	171,708
50-54	83,651	41,403	42,248	87,866	42,144	45,722	47,075	24,181	22,894	4,713	2,261	2,452	223,305	109,989	113,316
55-59	49,538	19,329	30,208	49,518	17,814	31,704	29,603	10,511	19,092	2,656	956	1,700	131,315	48,610	82,704
60-64	63,676	31,103	32,572	73,328	35,903	37,425	43,293	20,506	22,787	3,933	1,926	2,007	184,230	89,438	94,791
65-69	41,426	18,831	22,595	48,316	22,629	25,687	25,699	12,563	13,137	2,591	1,213	1,378	118,032	55,236	62,797
70-74	24,544	11,319	13,225	25,109	12,131	12,978	13,021	5,666	7,354	1,347	651	696	64,021	29,767	34,253
75-79	17,369	8,041	9,328	18,479	8,635	9,844	9,401	4,664	4,738	991	463	528	46,240	21,803	24,438
80+	18,367	7,962	10,405	23,817	10,267	13,550	12,164	5,071	7,092	1,277	550	727	55,625	23,850	31,774
Total	2,488,315	1,257,701	1,230,615	2,348,728	1,177,123	1,171,606	1,859,753	934,375	925,378	125,974	63,135	62,840	6,822,770	3,432,334	3,390,439

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2026															
0-4	272,981	140,029	132,952	239,353	122,779	116,574	239,539	122,874	116,665	12,838	6,585	6,253	764,711	392,267	372,444
5-9	287,233	148,501	138,732	237,523	120,541	116,982	231,791	118,663	113,128	12,740	6,465	6,275	769,287	394,170	375,117
10-14	279,064	141,118	137,946	230,042	118,066	111,976	221,671	112,556	109,115	12,338	6,333	6,006	743,115	378,073	365,043
15-19	285,672	150,041	135,630	249,850	129,575	120,276	222,395	112,532	109,862	13,400	6,950	6,451	771,317	399,098	372,219
20-24	229,588	123,062	106,526	220,134	113,525	106,608	185,642	95,155	90,487	11,806	6,088	5,717	647,170	337,830	309,338
25-29	216,635	110,438	106,196	211,523	109,813	101,710	166,113	84,424	81,689	11,345	5,890	5,455	605,616	310,565	295,050
30-34	208,215	104,451	103,765	197,152	101,162	95,990	153,943	78,665	75,278	10,574	5,426	5,148	569,884	289,704	280,181
35-39	173,048	84,564	88,485	167,736	81,735	86,001	118,024	57,679	60,345	8,997	4,384	4,613	467,805	228,362	239,444
40-44	140,696	69,531	71,165	147,049	69,136	77,914	94,706	45,047	49,659	7,887	3,708	4,179	390,338	187,422	202,917
45-49	128,579	64,547	64,032	144,178	72,726	71,451	81,215	41,614	39,601	7,733	3,901	3,833	361,705	182,788	178,917
50-54	92,393	46,341	46,051	98,981	48,802	50,178	52,816	27,705	25,111	5,309	2,618	2,691	249,499	125,466	124,031
55-59	51,994	20,917	31,077	51,484	18,994	32,490	30,005	11,205	18,800	2,761	1,019	1,742	136,244	52,135	84,109
60-64	61,571	29,234	32,338	69,685	33,001	36,684	41,586	18,923	22,663	3,737	1,770	1,967	176,579	82,928	93,652
65-69	45,853	21,240	24,613	53,838	25,527	28,311	29,337	14,357	14,980	2,887	1,369	1,519	131,915	62,493	69,423
70-74	26,229	11,918	14,311	27,599	13,134	14,465	14,293	6,323	7,970	1,481	705	776	69,602	32,080	37,522
75-79	17,768	8,169	9,600	18,532	8,665	9,867	9,466	4,533	4,933	994	465	529	46,760	21,832	24,929
80+	18,929	8,211	10,718	24,011	10,352	13,659	12,249	5,192	7,057	1,287	555	732	56,476	24,310	32,166
Total	2,536,448	1,282,311	1,254,137	2,388,669	1,197,533	1,191,137	1,904,792	957,448	947,344	128,117	64,229	63,887	6,958,026	3,501,521	3,456,505

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2027															
0-4	275,796	141,478	134,319	240,908	123,581	117,327	244,438	125,391	119,047	12,921	6,628	6,293	774,063	397,078	376,986
5-9	281,574	145,806	135,768	239,286	121,810	117,476	233,150	119,471	113,678	12,834	6,533	6,301	766,844	393,620	373,223
10-14	282,737	143,008	139,729	228,295	116,629	111,666	221,777	112,791	108,985	12,245	6,256	5,989	745,054	378,684	366,369
15-19	284,956	148,322	136,634	246,745	127,887	118,858	223,338	112,986	110,352	13,234	6,859	6,375	768,273	396,054	372,219
20-24	243,411	130,483	112,928	228,486	117,987	110,499	194,582	99,428	95,154	12,254	6,328	5,926	678,733	354,226	324,507
25-29	214,665	110,788	103,878	210,837	109,261	101,576	167,698	85,494	82,204	11,308	5,860	5,448	604,508	311,403	293,106
30-34	212,013	106,345	105,668	201,698	104,038	97,660	157,432	80,346	77,086	10,818	5,580	5,238	581,961	296,309	285,652
35-39	181,076	89,063	92,013	173,620	85,659	87,961	125,997	62,440	63,558	9,313	4,594	4,718	490,006	241,756	248,250
40-44	145,458	71,412	74,046	149,460	70,287	79,173	97,537	46,263	51,273	8,017	3,770	4,247	400,472	191,732	208,739
45-49	130,654	65,495	65,159	145,298	72,144	73,154	84,182	42,353	41,828	7,793	3,869	3,924	367,927	183,861	184,065
50-54	101,306	51,039	50,267	110,634	55,583	55,051	59,066	31,225	27,841	5,934	2,981	2,953	276,940	140,828	136,112
55-59	57,287	24,534	32,754	57,058	22,649	34,409	32,270	13,306	18,964	3,060	1,215	1,845	149,675	61,704	87,972
60-64	57,190	25,822	31,369	63,080	28,161	34,919	38,009	16,238	21,771	3,383	1,511	1,872	161,662	71,732	89,931
65-69	50,837	24,100	26,737	59,775	28,815	30,960	33,423	16,318	17,105	3,206	1,545	1,661	147,241	70,778	76,463
70-74	28,257	12,629	15,629	30,737	14,354	16,383	15,877	7,213	8,664	1,649	770	879	76,520	34,966	41,555
75-79	18,104	8,276	9,827	18,502	8,688	9,814	9,502	4,343	5,159	993	466	526	47,101	21,773	25,326
80+	19,584	8,485	11,099	24,324	10,472	13,851	12,398	5,334	7,063	1,304	561	743	57,610	24,852	32,756
Total	2,584,906	1,307,083	1,277,822	2,428,745	1,218,006	1,210,739	1,950,675	980,943	969,731	130,266	65,328	64,939	7,094,592	3,571,360	3,523,231

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2028															
0-4	278,456	142,843	135,613	242,356	124,324	118,031	249,224	127,847	121,377	12,999	6,668	6,331	783,035	401,682	381,352
5-9	275,945	142,849	133,096	240,371	122,729	117,642	234,517	120,276	114,240	12,893	6,583	6,310	763,726	392,437	371,288
10-14	287,369	145,881	141,488	228,348	116,172	112,176	222,920	113,551	109,369	12,248	6,231	6,017	750,885	381,835	369,050
15-19	281,696	145,203	136,493	241,787	125,167	116,620	222,846	112,783	110,063	12,968	6,714	6,255	759,297	389,867	369,431
20-24	258,779	138,346	120,433	237,565	122,887	114,678	204,096	103,910	100,186	12,741	6,591	6,151	713,181	371,734	341,448
25-29	213,155	111,520	101,635	210,057	108,593	101,464	169,733	86,844	82,889	11,266	5,824	5,442	604,211	312,781	291,430
30-34	214,687	107,661	107,026	205,556	106,412	99,144	159,915	81,381	78,534	11,025	5,707	5,318	591,183	301,161	290,022
35-39	189,083	93,690	95,393	179,797	89,800	89,997	134,380	67,463	66,917	9,644	4,816	4,827	512,904	255,769	257,134
40-44	151,161	73,783	77,378	152,794	72,235	80,559	100,873	47,933	52,940	8,196	3,875	4,321	413,024	197,826	215,198
45-49	131,803	65,942	65,861	144,722	70,491	74,231	86,524	42,686	43,838	7,762	3,781	3,982	370,811	182,900	187,912
50-54	109,785	55,277	54,508	121,807	61,862	59,945	65,373	34,514	30,860	6,533	3,318	3,215	303,498	154,971	148,528
55-59	64,689	29,544	35,145	65,429	28,139	37,291	36,046	16,424	19,622	3,509	1,509	2,000	169,673	75,616	94,058
60-64	52,089	21,959	30,130	55,516	22,737	32,779	33,679	13,216	20,463	2,977	1,220	1,758	144,261	59,132	85,130
65-69	55,453	26,767	28,686	65,011	31,728	33,283	37,203	18,029	19,174	3,487	1,702	1,785	161,154	78,226	82,928
70-74	30,686	13,546	17,140	34,442	15,834	18,608	17,814	8,309	9,505	1,848	849	998	84,790	38,538	46,251
75-79	18,534	8,424	10,110	18,667	8,804	9,863	9,645	4,204	5,441	1,002	472	529	47,848	21,904	25,943
80+	20,283	8,766	11,518	24,690	10,609	14,081	12,575	5,469	7,106	1,324	569	755	58,872	25,413	33,460
Total	2,633,654	1,332,001	1,301,653	2,468,916	1,238,523	1,230,393	1,997,364	1,004,841	992,523	132,421	66,428	65,993	7,232,355	3,641,793	3,590,562

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2029															
0-4	280,999	144,145	136,855	243,697	125,010	118,687	253,898	130,242	123,657	13,071	6,705	6,366	791,665	406,102	385,565
5-9	271,265	140,033	131,232	240,214	123,002	117,213	235,339	120,784	114,555	12,884	6,597	6,287	759,702	390,416	369,287
10-14	291,176	148,779	142,397	230,116	116,661	113,455	225,258	114,934	110,324	12,342	6,257	6,085	758,892	386,631	372,261
15-19	278,507	142,270	136,237	236,915	122,437	114,478	222,213	112,540	109,672	12,707	6,567	6,140	750,342	383,814	366,527
20-24	272,230	144,870	127,361	245,001	126,918	118,084	212,505	107,848	104,657	13,140	6,807	6,333	742,876	386,443	356,435
25-29	214,217	113,438	100,779	210,672	108,684	101,988	173,015	88,751	84,264	11,299	5,829	5,470	609,203	316,702	292,501
30-34	216,242	108,636	107,605	208,480	108,161	100,319	161,909	82,196	79,713	11,182	5,801	5,381	597,813	304,794	293,018
35-39	196,386	97,921	98,465	185,818	93,823	91,995	142,131	72,058	70,074	9,966	5,032	4,934	534,301	268,834	265,468
40-44	157,584	76,667	80,917	156,861	74,783	82,078	105,127	50,255	54,872	8,414	4,011	4,403	427,986	205,716	222,270
45-49	133,188	66,430	66,758	143,984	68,877	75,107	88,726	43,012	45,714	7,723	3,694	4,029	373,621	182,013	191,608
50-54	117,112	58,836	58,276	131,249	66,891	64,359	71,180	37,317	33,863	7,040	3,588	3,452	326,581	166,632	159,950
55-59	73,068	34,993	38,075	75,313	34,478	40,835	40,741	19,961	20,780	4,039	1,849	2,190	193,161	91,281	101,880
60-64	48,387	19,129	29,258	49,709	18,562	31,147	30,125	10,890	19,235	2,666	996	1,670	130,887	49,577	81,310
65-69	58,502	28,399	30,102	68,111	33,278	34,833	39,698	18,955	20,744	3,653	1,785	1,868	169,964	82,417	87,547
70-74	33,584	14,793	18,790	38,601	17,628	20,974	20,158	9,573	10,585	2,071	945	1,125	94,414	42,939	51,474
75-79	19,244	8,677	10,567	19,364	9,130	10,234	10,052	4,246	5,806	1,039	490	549	49,699	22,543	27,156
80+	20,982	9,037	11,945	25,034	10,739	14,295	12,748	5,566	7,182	1,342	576	767	60,106	25,918	34,189
Total	2,682,671	1,357,053	1,325,618	2,509,140	1,259,061	1,250,079	2,044,825	1,029,126	1,015,698	134,578	67,530	67,049	7,371,214	3,712,770	3,658,444

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2030															
0-4	283,454	145,397	138,057	244,918	125,631	119,287	258,449	132,570	125,879	13,136	6,738	6,398	799,957	410,336	389,621
5-9	268,976	138,043	130,933	236,808	121,534	115,274	233,647	119,912	113,735	12,702	6,519	6,183	752,133	386,008	366,125
10-14	292,092	150,588	141,504	235,122	118,949	116,173	230,487	117,881	112,606	12,611	6,380	6,231	770,312	393,798	376,514
15-19	277,281	140,686	136,595	233,547	120,443	113,104	222,369	112,703	109,666	12,526	6,460	6,066	745,723	380,292	365,431
20-24	281,338	148,828	132,509	249,155	129,171	119,984	218,629	110,715	107,914	13,363	6,928	6,435	762,485	395,642	366,842
25-29	219,209	117,030	102,180	213,645	110,106	103,539	178,032	91,374	86,659	11,458	5,905	5,553	622,344	324,415	297,931
30-34	216,803	109,489	107,315	210,369	109,240	101,129	163,841	83,120	80,721	11,283	5,859	5,424	602,296	307,708	294,589
35-39	202,493	101,386	101,107	191,339	97,475	93,864	148,513	75,733	72,780	10,262	5,228	5,034	552,607	279,822	272,785
40-44	164,512	80,047	84,465	161,484	77,761	83,723	110,535	53,333	57,202	8,662	4,171	4,491	445,193	215,312	229,881
45-49	135,651	67,360	68,292	144,214	68,115	76,098	91,167	43,637	47,531	7,735	3,653	4,082	378,767	182,765	196,003
50-54	122,829	61,592	61,237	138,127	70,184	67,943	76,103	39,473	36,630	7,409	3,764	3,644	344,468	175,013	169,454
55-59	81,546	40,165	41,381	85,678	40,893	44,785	45,886	23,461	22,425	4,595	2,193	2,402	217,705	106,712	110,993
60-64	47,546	18,340	29,206	47,545	16,896	30,650	28,423	9,970	18,454	2,550	906	1,644	126,064	46,112	79,954
65-69	59,264	28,496	30,768	68,231	32,883	35,348	40,310	18,782	21,528	3,659	1,764	1,895	171,464	81,925	89,539
70-74	36,932	16,411	20,522	43,059	19,722	23,337	22,895	10,954	11,940	2,309	1,058	1,252	105,195	48,145	57,051
75-79	20,365	9,083	11,282	20,823	9,744	11,079	10,830	4,554	6,275	1,117	523	594	53,135	23,904	29,230
80+	21,653	9,293	12,360	25,309	10,851	14,458	12,899	5,606	7,292	1,357	582	775	61,218	26,332	34,885
Total	2,731,945	1,382,233	1,349,713	2,549,373	1,279,597	1,269,775	2,093,015	1,053,779	1,039,237	136,736	68,631	68,105	7,511,069	3,784,240	3,726,830

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2031															
0-4	285,837	146,611	139,227	245,987	126,171	119,816	262,838	134,813	128,025	13,194	6,767	6,426	285,837	146,611	139,227
5-9	272,009	139,605	132,403	238,502	122,408	116,094	238,679	122,499	116,180	12,792	6,566	6,227	272,009	139,605	132,403
10-14	286,906	148,333	138,573	237,250	120,404	116,846	231,526	118,528	112,997	12,725	6,458	6,267	286,906	148,333	138,573
15-19	278,720	140,928	137,792	229,757	117,907	111,850	221,398	112,404	108,993	12,323	6,324	5,999	278,720	140,928	137,792
20-24	285,130	149,715	135,416	249,377	129,292	120,085	221,976	112,288	109,688	13,375	6,934	6,441	285,130	149,715	135,416
25-29	229,019	122,716	106,303	219,590	113,206	106,384	185,185	94,888	90,297	11,777	6,071	5,705	229,019	122,716	106,303
30-34	215,974	110,073	105,901	210,878	109,450	101,428	165,608	84,145	81,463	11,310	5,870	5,440	215,974	110,073	105,901
35-39	207,371	103,999	103,372	196,352	100,725	95,627	153,318	78,325	74,993	10,531	5,402	5,129	207,371	103,999	103,372
40-44	172,011	84,013	87,997	166,728	81,202	85,526	117,319	57,305	60,013	8,943	4,356	4,588	172,011	84,013	87,997
45-49	139,374	68,803	70,572	145,672	68,409	77,262	93,820	44,575	49,245	7,814	3,669	4,144	139,374	68,803	70,572
50-54	126,608	63,403	63,205	141,962	71,432	70,530	79,970	40,877	39,093	7,614	3,831	3,783	126,608	63,403	63,205
55-59	90,098	44,971	45,127	96,542	47,370	49,172	51,499	26,890	24,608	5,178	2,541	2,637	90,098	44,971	45,127
60-64	49,966	19,892	30,073	49,508	18,066	31,442	28,845	10,657	18,187	2,655	969	1,686	49,966	19,892	30,073
65-69	57,347	26,780	30,567	64,884	30,217	34,668	38,748	17,328	21,420	3,480	1,621	1,859	57,347	26,780	30,567
70-74	40,949	18,557	22,392	48,060	22,299	25,760	26,188	12,545	13,643	2,578	1,196	1,382	40,949	18,557	22,392
75-79	21,841	9,595	12,246	22,980	10,588	12,392	11,926	5,106	6,819	1,233	568	665	21,841	9,595	12,246
80+	22,303	9,538	12,765	25,528	10,953	14,575	13,035	5,595	7,440	1,369	587	782	22,303	9,538	12,765
Total	2,781,463	1,407,532	1,373,930	2,589,559	1,300,102	1,289,457	2,141,876	1,078,771	1,063,105	138,892	69,731	69,161	2,781,463	1,407,532	1,373,930

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2032															
0-4	288,166	147,796	140,370	246,877	126,620	120,257	267,032	136,956	130,076	13,241	6,791	6,450	815,316	418,163	397,153
5-9	274,835	141,058	133,777	240,071	123,215	116,856	243,580	125,016	118,564	12,876	6,609	6,268	771,362	395,898	375,465
10-14	281,260	145,644	135,615	239,018	121,675	117,343	232,888	119,338	113,550	12,820	6,526	6,294	765,986	393,183	372,802
15-19	282,397	142,820	139,576	228,019	116,475	111,544	221,509	112,642	108,867	12,230	6,247	5,983	744,155	378,184	365,970
20-24	284,427	148,004	136,423	246,286	127,613	118,673	222,926	112,745	110,181	13,209	6,845	6,365	766,848	395,207	371,642
25-29	242,820	130,123	112,697	227,934	117,662	110,272	194,112	99,154	94,959	12,224	6,310	5,914	677,090	353,249	323,842
30-34	214,024	110,428	103,596	210,207	108,906	101,301	167,199	85,217	81,982	11,274	5,841	5,433	602,704	310,392	292,312
35-39	211,170	105,892	105,278	200,896	103,596	97,300	156,805	80,004	76,801	10,775	5,556	5,219	579,646	295,048	284,598
40-44	180,011	88,494	91,518	172,598	85,111	87,487	125,259	62,043	63,216	9,258	4,565	4,693	487,126	240,213	246,914
45-49	144,120	70,677	73,443	148,088	69,563	78,525	96,642	45,787	50,855	7,943	3,731	4,212	396,793	189,758	207,035
50-54	128,684	64,350	64,333	143,103	70,875	72,228	82,916	41,613	41,302	7,676	3,801	3,874	362,379	180,639	181,737
55-59	98,828	49,550	49,278	107,943	53,973	53,970	57,614	30,318	27,296	5,790	2,895	2,895	270,175	136,736	133,439
60-64	55,086	23,364	31,722	54,904	21,576	33,327	31,037	12,676	18,361	2,945	1,158	1,787	143,972	58,774	85,197
65-69	53,334	23,659	29,675	58,807	25,782	33,025	35,459	14,868	20,591	3,154	1,383	1,771	150,754	65,692	85,062
70-74	45,461	21,097	24,363	53,433	25,219	28,214	29,887	14,283	15,604	2,866	1,352	1,513	131,647	61,951	69,694
75-79	23,607	10,197	13,410	25,680	11,606	14,074	13,275	5,844	7,431	1,378	623	755	63,940	28,270	35,670
80+	22,979	9,791	13,188	25,779	11,079	14,700	13,202	5,566	7,637	1,382	594	788	63,342	27,030	36,313
Total	2,831,208	1,432,943	1,398,264	2,629,643	1,320,545	1,309,097	2,191,342	1,104,070	1,087,272	141,041	70,827	70,214	7,793,234	3,928,385	3,864,847

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2033															
0-4	290,446	148,956	141,490	247,574	126,969	120,605	271,015	138,990	132,025	13,279	6,810	6,469	822,314	421,725	400,589
5-9	277,506	142,427	135,080	241,532	123,963	117,569	248,368	127,472	120,896	12,955	6,649	6,306	780,361	400,511	379,851
10-14	275,643	142,693	132,950	240,108	122,595	117,512	234,259	120,145	114,114	12,879	6,575	6,303	762,889	392,008	370,879
15-19	287,031	145,693	141,338	228,078	116,021	112,057	222,656	113,404	109,252	12,233	6,223	6,010	749,998	381,341	368,657
20-24	281,184	144,898	136,287	241,347	124,903	116,444	222,444	112,547	109,897	12,945	6,699	6,245	757,920	389,047	368,873
25-29	258,165	137,971	120,193	237,002	122,553	114,449	203,614	103,628	99,986	12,711	6,573	6,138	711,492	370,725	340,766
30-34	212,531	111,165	101,366	209,443	108,246	101,197	169,238	86,568	82,670	11,233	5,805	5,427	602,445	311,784	290,660
35-39	213,851	107,211	106,640	204,754	105,968	98,786	159,292	81,041	78,251	10,982	5,683	5,299	588,879	299,903	288,976
40-44	187,993	93,101	94,891	178,758	89,235	89,523	133,607	67,042	66,565	9,588	4,786	4,802	509,946	254,164	255,781
45-49	149,799	73,037	76,762	151,420	71,504	79,915	99,967	47,449	52,518	8,122	3,836	4,287	409,308	195,826	213,482
50-54	129,853	64,809	65,044	142,582	69,270	73,312	85,251	41,953	43,298	7,648	3,715	3,932	365,334	179,747	185,586
55-59	107,143	53,685	53,458	118,882	60,091	58,791	63,792	33,524	30,268	6,376	3,223	3,153	296,193	150,523	145,670
60-64	62,216	28,153	34,062	62,967	26,823	36,144	34,668	15,655	19,013	3,377	1,439	1,938	163,228	72,070	91,157
65-69	48,674	20,140	28,535	51,863	20,830	31,033	31,482	12,110	19,373	2,782	1,117	1,664	134,801	54,197	80,605
70-74	49,638	23,461	26,177	58,175	27,803	30,372	33,312	15,799	17,512	3,120	1,491	1,629	144,245	68,554	75,690
75-79	25,713	10,972	14,742	28,859	12,838	16,021	14,923	6,748	8,174	1,548	689	860	71,043	31,247	39,797
80+	23,771	10,082	13,689	26,231	11,288	14,944	13,477	5,579	7,898	1,407	605	802	64,886	27,554	37,333
Total	2,881,156	1,458,453	1,422,704	2,669,576	1,340,902	1,328,674	2,241,366	1,129,654	1,111,712	143,183	71,919	71,264	7,935,281	4,000,928	3,934,354

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2034															
0-4	292,669	150,086	142,583	248,075	127,218	120,857	274,778	140,911	133,867	13,305	6,823	6,482	828,827	425,038	403,789
5-9	280,063	143,733	136,330	242,887	124,654	118,234	253,046	129,867	123,179	13,027	6,686	6,342	789,023	404,940	384,085
10-14	270,974	139,883	131,090	239,957	122,870	117,087	235,086	120,655	114,431	12,870	6,590	6,280	758,887	389,998	368,888
15-19	290,840	148,590	142,250	229,851	116,513	113,338	224,998	114,788	110,210	12,328	6,249	6,079	758,017	386,140	371,877
20-24	278,013	141,976	136,037	236,494	122,184	114,310	221,820	112,309	109,511	12,684	6,554	6,131	749,011	383,023	365,989
25-29	271,597	144,484	127,113	244,433	126,580	117,854	212,014	107,560	104,454	13,110	6,789	6,321	741,154	385,413	355,742
30-34	213,603	113,083	100,519	210,070	108,344	101,726	172,521	88,473	84,048	11,266	5,811	5,456	607,460	315,711	291,749
35-39	215,417	108,191	107,226	207,683	107,717	99,966	161,292	81,859	79,433	11,139	5,777	5,362	595,531	303,544	291,987
40-44	195,275	97,316	97,959	184,764	93,243	91,521	141,328	71,614	69,714	9,910	5,001	4,909	531,277	267,174	264,103
45-49	156,194	75,906	80,287	155,477	74,041	81,437	104,202	49,757	54,445	8,340	3,972	4,368	424,213	203,676	220,537
50-54	131,258	65,309	65,950	141,904	67,707	74,198	87,450	42,286	45,164	7,611	3,631	3,980	368,223	178,933	189,292
55-59	114,339	57,165	57,174	128,138	64,996	63,142	69,486	36,260	33,226	6,873	3,486	3,387	318,836	161,907	156,929
60-64	70,287	33,360	36,927	72,485	32,879	39,607	39,185	19,034	20,152	3,888	1,764	2,124	185,845	87,037	98,810
65-69	45,333	17,586	27,747	46,575	17,045	29,530	28,236	10,001	18,234	2,498	914	1,583	122,642	45,546	77,094
70-74	52,407	24,905	27,502	60,997	29,176	31,822	35,580	16,619	18,961	3,271	1,565	1,706	152,255	72,265	79,991
75-79	28,223	12,023	16,200	32,431	14,336	18,095	16,925	7,795	9,130	1,740	769	971	79,319	34,923	44,396
80+	24,783	10,447	14,337	27,082	11,646	15,437	13,948	5,707	8,242	1,453	625	828	67,266	28,425	38,844
Total	2,931,275	1,484,044	1,447,231	2,709,304	1,361,146	1,348,158	2,291,895	1,155,494	1,136,401	145,314	73,005	72,309	8,077,788	4,073,689	4,004,099

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2035															
0-4	294,809	151,174	143,635	248,390	127,372	121,019	278,325	142,721	135,604	13,322	6,831	6,491	834,846	428,098	406,749
5-9	282,531	144,990	137,541	244,123	125,279	118,843	257,602	132,196	125,405	13,094	6,719	6,374	797,350	409,184	388,163
10-14	268,693	137,897	130,795	236,559	121,406	115,153	233,401	119,785	113,616	12,688	6,512	6,176	751,341	385,600	365,740
15-19	291,761	150,400	141,361	234,858	118,802	116,057	230,228	117,735	112,493	12,597	6,372	6,225	769,444	393,309	376,136
20-24	276,802	140,402	136,400	233,142	120,200	112,943	221,985	112,476	109,509	12,505	6,447	6,057	744,434	379,525	364,909
25-29	280,697	148,439	132,258	248,588	128,833	119,756	218,135	110,425	107,710	13,333	6,910	6,423	760,753	394,607	366,147
30-34	218,596	116,671	101,925	213,048	109,768	103,280	177,536	91,094	86,443	11,426	5,887	5,539	620,606	323,420	297,187
35-39	215,993	109,048	106,946	209,581	108,799	100,782	163,230	82,785	80,444	11,241	5,835	5,406	600,045	306,467	293,578
40-44	201,370	100,770	100,599	190,275	96,883	93,392	147,689	75,274	72,415	10,205	5,196	5,009	549,539	278,123	271,415
45-49	163,092	79,268	83,824	160,088	77,004	83,085	109,584	52,816	56,768	8,587	4,131	4,457	441,351	213,219	228,134
50-54	133,730	66,245	67,486	142,181	66,983	75,198	89,885	42,914	46,971	7,626	3,593	4,033	373,422	179,735	193,688
55-59	119,963	59,863	60,100	134,895	68,213	66,682	74,321	38,367	35,953	7,235	3,659	3,577	336,414	170,102	166,312
60-64	78,470	38,308	40,162	82,483	39,015	43,468	44,146	22,382	21,764	4,424	2,093	2,331	209,523	101,798	107,725
65-69	44,664	16,924	27,740	44,690	15,582	29,108	26,714	9,195	17,519	2,397	836	1,561	118,465	42,537	75,928
70-74	53,129	24,991	28,138	61,147	28,826	32,321	36,157	16,466	19,691	3,279	1,546	1,733	153,712	71,829	81,883
75-79	31,125	13,388	17,736	36,271	16,093	20,178	19,276	8,944	10,331	1,945	863	1,082	88,617	39,288	49,327
80+	26,086	10,912	15,174	28,451	12,194	16,257	14,674	5,990	8,684	1,526	654	872	70,737	29,750	40,987
Total	2,981,511	1,509,690	1,471,820	2,748,771	1,381,250	1,367,521	2,342,886	1,181,566	1,161,319	147,431	74,083	73,347	8,220,599	4,146,589	4,074,007

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2036															
0-4	296,825	152,199	144,627	248,487	127,413	121,074	281,588	144,385	137,203	13,327	6,834	6,494	840,227	430,831	409,398
5-9	284,928	146,208	138,720	245,207	125,826	119,381	261,997	134,441	127,556	13,152	6,749	6,403	805,284	413,224	392,060
10-14	271,729	139,461	132,268	238,257	122,282	115,975	238,433	122,372	116,060	12,779	6,559	6,220	761,198	390,674	370,523
15-19	286,587	148,151	138,436	236,989	120,257	116,732	231,270	118,384	112,887	12,711	6,450	6,261	767,557	393,242	374,316
20-24	278,251	140,650	137,601	229,368	117,673	111,695	221,024	112,182	108,842	12,302	6,312	5,991	740,945	376,817	364,129
25-29	284,495	149,330	135,165	248,822	128,960	119,862	221,485	112,000	109,485	13,345	6,917	6,429	768,147	397,207	370,941
30-34	228,394	122,348	106,045	218,992	112,866	106,126	184,681	94,603	90,078	11,745	6,053	5,692	643,812	335,870	307,941
35-39	215,184	109,638	105,546	210,106	109,017	101,089	165,003	83,812	81,191	11,269	5,847	5,422	601,562	308,314	293,248
40-44	206,243	103,377	102,866	195,283	100,124	95,158	152,484	77,857	74,626	10,474	5,370	5,104	564,484	286,728	277,754
45-49	170,557	83,212	87,345	165,317	80,427	84,890	116,331	56,762	59,569	8,867	4,314	4,553	461,072	224,715	236,357
50-54	137,446	67,686	69,760	143,666	67,296	76,370	92,530	43,851	48,678	7,706	3,610	4,096	381,348	182,443	198,904
55-59	123,700	61,647	62,053	138,691	69,445	69,246	78,131	39,746	38,385	7,439	3,725	3,714	347,961	174,563	173,398
60-64	86,746	42,918	43,828	92,983	45,224	47,759	49,571	25,669	23,902	4,987	2,426	2,562	234,287	116,237	118,051
65-69	47,026	18,420	28,606	46,641	16,732	29,909	27,161	9,870	17,291	2,502	898	1,604	123,330	45,920	77,410
70-74	51,466	23,483	27,983	58,205	26,478	31,727	34,792	15,186	19,607	3,122	1,420	1,701	147,585	66,567	81,018
75-79	34,596	15,194	19,402	40,582	18,256	22,326	22,113	10,273	11,840	2,177	979	1,198	99,468	44,702	54,766
80+	27,623	11,439	16,185	30,266	12,884	17,381	15,602	6,403	9,200	1,623	691	932	75,114	31,417	43,698
Total	3,031,796	1,535,359	1,496,437	2,787,861	1,401,160	1,386,700	2,394,196	1,207,796	1,186,401	149,527	75,151	74,376	8,363,380	4,219,466	4,143,914

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2037															
0-4	298,692	153,147	145,545	248,321	127,321	121,000	284,489	145,864	138,625	13,318	6,829	6,490	844,820	433,161	411,660
5-9	287,271	147,398	139,873	246,113	126,280	119,833	266,199	136,585	129,613	13,200	6,773	6,427	812,783	417,036	395,746
10-14	274,559	140,915	133,644	239,829	123,090	116,739	243,334	124,889	118,445	12,864	6,602	6,261	770,586	395,496	375,089
15-19	280,953	145,468	135,485	238,760	121,529	117,231	232,637	119,195	113,442	12,806	6,518	6,288	765,156	392,710	372,446
20-24	281,932	142,544	139,388	227,642	116,248	111,394	221,143	112,424	108,719	12,210	6,235	5,975	742,927	377,451	365,476
25-29	283,808	147,630	136,177	245,750	127,291	118,459	222,443	112,461	109,983	13,181	6,827	6,353	765,182	394,209	370,972
30-34	242,173	129,740	112,432	227,327	117,315	110,012	193,597	98,862	94,735	12,192	6,292	5,900	675,289	352,209	323,079
35-39	213,257	110,000	103,257	209,453	108,482	100,971	166,602	84,887	81,715	11,234	5,818	5,416	600,546	309,187	291,359
40-44	210,045	105,271	104,775	199,824	102,989	96,835	155,969	79,535	76,434	10,717	5,524	5,194	576,555	293,319	283,238
45-49	178,521	87,665	90,855	171,165	84,314	86,852	124,226	61,465	62,760	9,181	4,522	4,659	483,093	237,966	245,126
50-54	142,171	69,552	72,619	146,094	68,454	77,640	95,341	45,058	50,283	7,836	3,672	4,165	391,442	186,736	204,707
55-59	125,778	62,594	63,185	139,868	68,928	70,940	81,048	40,478	40,570	7,502	3,697	3,805	354,196	175,697	178,500
60-64	95,211	47,319	47,892	104,013	51,560	52,453	55,491	28,960	26,531	5,579	2,766	2,813	260,294	130,605	129,689
65-69	51,892	21,679	30,213	51,777	20,031	31,746	29,246	11,767	17,480	2,777	1,075	1,702	135,692	54,552	81,141
70-74	47,954	20,753	27,201	52,848	22,590	30,258	31,898	13,030	18,867	2,834	1,212	1,622	135,534	57,585	77,948
75-79	38,485	17,325	21,160	45,211	20,704	24,508	25,301	11,727	13,573	2,425	1,110	1,314	111,422	50,866	60,555
80+	29,368	12,026	17,342	32,450	13,693	18,757	16,710	6,917	9,793	1,741	734	1,006	80,269	33,370	46,898
Total	3,082,070	1,561,026	1,521,044	2,826,447	1,420,820	1,405,627	2,445,672	1,234,104	1,211,567	151,597	76,206	75,391	8,505,786	4,292,156	4,213,629

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2038															
0-4	300,392	154,012	146,379	247,898	127,099	120,799	287,027	147,160	139,867	13,296	6,817	6,479	848,613	435,088	413,524
5-9	289,565	148,563	141,002	246,827	126,636	120,191	270,190	138,622	131,568	13,238	6,792	6,446	819,820	420,613	399,207
10-14	277,234	142,285	134,948	241,294	123,840	117,454	248,123	127,345	120,779	12,942	6,642	6,300	779,593	400,112	379,481
15-19	275,350	142,524	132,825	239,853	122,451	117,403	234,011	120,003	114,008	12,865	6,568	6,297	762,079	391,546	370,533
20-24	286,569	145,417	141,152	227,710	115,800	111,909	222,297	113,189	109,109	12,213	6,211	6,002	748,789	380,617	368,172
25-29	280,587	144,539	136,047	240,833	124,595	116,239	221,973	112,269	109,704	12,917	6,683	6,234	756,310	388,086	368,224
30-34	257,491	137,574	119,917	236,385	122,200	114,186	203,086	103,329	99,756	12,678	6,554	6,124	709,640	369,657	339,983
35-39	211,785	110,742	101,042	208,709	107,834	100,875	168,647	86,239	82,407	11,194	5,783	5,410	600,335	310,598	289,734
40-44	212,735	106,594	106,142	203,684	105,359	98,325	158,460	80,574	77,886	10,925	5,651	5,274	585,804	298,178	287,627
45-49	186,465	92,246	94,220	177,302	88,414	88,888	132,525	66,429	66,096	9,510	4,742	4,768	505,802	251,831	253,972
50-54	147,816	71,896	75,920	149,421	70,387	79,034	98,648	46,708	51,940	8,015	3,776	4,239	403,900	192,767	211,133
55-59	126,978	63,070	63,907	139,430	67,399	72,031	83,374	40,827	42,547	7,479	3,615	3,864	357,261	174,911	182,349
60-64	103,287	51,304	51,983	114,611	57,441	57,170	61,480	32,043	29,436	6,147	3,081	3,067	285,525	143,869	141,656
65-69	58,627	26,151	32,477	59,393	24,927	34,466	32,669	14,547	18,121	3,186	1,337	1,848	153,875	66,962	86,912
70-74	43,890	17,693	26,197	46,747	18,269	28,478	28,401	10,624	17,777	2,507	980	1,527	121,545	47,566	73,979
75-79	42,083	19,301	22,782	49,299	22,866	26,434	28,254	12,995	15,259	2,644	1,226	1,418	122,280	56,388	65,893
80+	31,424	12,759	18,664	35,072	14,693	20,379	18,089	7,563	10,527	1,881	788	1,093	86,466	35,803	50,663
Total	3,132,277	1,586,671	1,545,607	2,864,469	1,440,208	1,424,260	2,497,253	1,260,467	1,236,786	153,636	77,245	76,391	8,647,635	4,364,591	4,283,044

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2039															
0-4	301,891	154,777	147,114	247,239	126,758	120,481	289,217	148,279	140,938	13,260	6,799	6,462	851,607	436,613	414,995
5-9	291,802	149,699	142,104	247,343	126,891	120,452	273,961	140,546	133,415	13,266	6,806	6,460	826,372	423,942	402,431
10-14	279,794	143,593	136,201	242,654	124,532	118,122	252,803	129,741	123,062	13,015	6,679	6,336	788,266	404,545	383,721
15-19	270,693	139,722	130,971	239,708	122,728	116,980	234,842	120,515	114,327	12,857	6,583	6,274	758,100	389,548	368,552
20-24	290,381	148,314	142,067	229,489	116,296	113,192	224,643	114,575	110,069	12,309	6,237	6,071	756,822	385,422	371,399
25-29	277,436	141,633	135,804	236,002	121,888	114,113	221,361	112,037	109,323	12,658	6,538	6,120	747,457	382,096	365,360
30-34	270,903	144,076	126,828	243,809	126,221	117,588	211,475	107,256	104,219	13,076	6,769	6,307	739,263	384,322	354,942
35-39	212,870	112,663	100,207	209,350	107,940	101,410	171,932	88,145	83,787	11,228	5,789	5,439	605,380	314,537	290,843
40-44	214,316	107,580	106,736	206,619	107,110	99,509	160,467	81,396	79,070	11,082	5,745	5,337	592,484	301,831	290,652
45-49	193,717	96,437	97,280	183,287	92,402	90,885	140,202	70,970	69,232	9,830	4,956	4,875	527,036	264,765	262,272
50-54	154,168	74,744	79,424	153,463	72,906	80,557	102,856	48,997	53,859	8,232	3,911	4,321	418,719	200,558	218,161
55-59	128,412	63,590	64,822	138,842	65,913	72,928	85,569	41,174	44,395	7,447	3,535	3,912	360,270	174,212	186,057
60-64	110,288	54,665	55,623	123,592	62,161	61,431	67,008	34,679	32,329	6,629	3,334	3,295	307,517	154,839	152,678
65-69	66,251	31,009	35,242	68,378	30,575	37,803	36,926	17,698	19,228	3,668	1,640	2,027	175,223	80,922	94,300
70-74	41,028	15,505	25,523	42,155	15,002	27,154	25,567	8,805	16,763	2,261	805	1,456	111,011	40,117	70,896
75-79	44,479	20,507	23,973	51,749	24,013	27,736	30,220	13,679	16,541	2,775	1,288	1,487	129,223	59,487	69,737
80+	33,913	13,742	20,171	38,213	15,973	22,240	19,853	8,373	11,480	2,050	857	1,193	94,029	38,945	55,084
Total	3,182,344	1,612,254	1,570,089	2,901,892	1,459,309	1,442,583	2,548,901	1,286,864	1,262,037	155,643	78,270	77,373	8,788,780	4,436,697	4,352,082

	Erbil			Sulaymaniyah			Duhok			Halabja			Kurdistan Region		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2040															
0-4	303,133	155,412	147,720	246,395	126,324	120,071	291,104	149,245	141,859	13,215	6,775	6,440	853,847	437,756	416,090
5-9	293,956	150,792	143,164	247,675	127,051	120,623	277,516	142,359	135,157	13,284	6,814	6,470	832,431	427,016	405,414
10-14	282,265	144,852	137,413	243,893	125,160	118,733	257,359	132,070	125,289	13,081	6,713	6,368	796,598	408,795	387,803
15-19	268,421	137,742	130,679	236,320	121,269	115,051	233,165	119,651	113,515	12,675	6,504	6,171	750,581	385,166	365,416
20-24	291,310	150,126	141,183	234,498	118,586	115,911	229,874	117,522	112,352	12,577	6,360	6,217	768,259	392,594	375,663
25-29	276,241	140,070	136,171	232,668	119,915	112,753	221,535	112,210	109,325	12,479	6,432	6,047	742,923	378,627	364,296
30-34	279,994	148,027	131,966	247,966	128,476	119,491	217,591	110,119	107,472	13,299	6,890	6,409	758,850	393,512	365,338
35-39	217,863	116,248	101,615	212,335	109,369	102,967	176,944	90,763	86,181	11,388	5,866	5,522	618,530	322,246	296,285
40-44	214,910	108,444	106,466	208,528	108,197	100,331	162,412	82,328	80,084	11,185	5,803	5,382	597,035	304,772	292,263
45-49	199,791	99,876	99,915	188,781	96,024	92,756	146,531	74,608	71,923	10,125	5,150	4,975	545,228	275,658	269,569
50-54	161,019	78,079	82,940	158,053	75,847	82,205	108,197	52,027	56,170	8,478	4,068	4,409	435,747	210,021	225,724
55-59	130,894	64,537	66,357	139,186	65,248	73,938	87,995	41,808	46,187	7,466	3,500	3,966	365,541	175,093	190,448
60-64	115,775	57,281	58,494	130,170	65,268	64,902	71,713	36,715	34,998	6,982	3,501	3,481	324,640	162,765	161,875
65-69	74,001	35,636	38,365	77,837	36,311	41,527	41,618	20,828	20,790	4,175	1,948	2,227	197,631	94,723	102,909
70-74	40,575	15,003	25,572	40,631	13,802	26,829	24,283	8,145	16,138	2,179	740	1,439	107,668	37,690	69,978
75-79	45,136	20,578	24,558	51,922	23,721	28,201	30,741	13,551	17,189	2,785	1,272	1,512	130,584	59,122	71,460
80+	36,871	15,013	21,858	41,864	17,554	24,309	22,034	9,348	12,686	2,245	941	1,304	103,014	42,856	60,157
Total	3,232,154	1,637,716	1,594,438	2,938,720	1,478,122	1,460,597	2,600,612	1,313,296	1,287,315	157,618	79,279	78,339	8,929,104	4,508,413	4,420,689

Table E-3: Population 6 to less than 12 (Males + Females), medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	909,428	337,615	288,420	267,924	15,469
2021	902,413	335,462	283,848	267,879	15,224
2022	895,450	335,535	278,528	266,448	14,939
2023	894,600	338,138	275,478	266,209	14,775
2024	899,255	342,421	274,767	267,330	14,737
2025	907,922	346,694	276,390	270,014	14,824
2026	921,340	348,664	281,720	275,846	15,110
2027	917,124	344,782	281,914	275,307	15,121
2028	917,408	340,301	284,439	277,412	15,256
2029	917,024	335,289	286,565	279,800	15,370
2030	915,851	330,256	287,983	282,166	15,446
2031	913,699	326,137	288,139	283,968	15,455
2032	907,939	324,383	285,029	283,239	15,288
2033	919,525	327,923	286,999	289,209	15,394
2034	930,576	331,238	288,822	295,025	15,491
2035	941,180	334,386	290,511	300,701	15,582
2036	951,370	337,412	292,058	306,235	15,665
2037	961,110	340,343	293,437	311,591	15,739
2038	970,345	343,194	294,618	316,731	15,802
2039	979,054	345,976	295,587	321,637	15,854
2040	987,210	348,689	296,330	326,297	15,894

Table E-4: Population 12 to less than 15 (Males + Females), medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	452,659	166,255	149,253	129,146	8,005
2021	465,738	172,302	152,152	133,124	8,160
2022	468,826	173,997	151,839	134,846	8,144
2023	463,747	172,136	148,921	134,703	7,987
2024	455,253	168,811	144,937	133,731	7,774
2025	447,939	166,048	141,377	132,931	7,583
2026	444,680	165,107	139,183	132,925	7,465
2027	446,189	166,290	138,607	133,858	7,434
2028	446,570	169,133	136,859	133,237	7,341
2029	449,002	172,682	136,014	133,011	7,295
2030	452,165	175,786	135,886	133,205	7,288
2031	460,462	177,220	139,260	136,513	7,469
2032	471,449	175,648	145,433	142,568	7,800
2033	464,097	168,676	145,761	141,842	7,818
2034	456,109	162,775	144,917	140,644	7,773
2035	444,762	159,346	140,877	136,983	7,556
2036	450,955	161,292	141,971	140,077	7,615
2037	456,808	163,083	142,976	143,080	7,669
2038	462,411	164,764	143,912	146,016	7,719
2039	467,811	166,361	144,792	148,892	7,766
2040	473,018	167,888	145,614	151,706	7,810

Table E-5: Population 15 to less than 18 (Males + Females), medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	384,596	135,875	131,031	110,663	7,027
2021	406,661	145,619	136,992	116,703	7,347
2022	430,962	156,488	143,564	123,210	7,700
2023	452,270	166,112	149,125	129,035	7,998
2024	465,349	172,157	152,025	133,013	8,154
2025	468,443	173,855	151,715	134,736	8,137
2026	463,380	171,999	148,803	134,597	7,981
2027	454,901	168,681	144,824	133,628	7,768
2028	447,601	165,923	141,270	132,831	7,577
2029	444,352	164,985	139,080	132,827	7,460
2030	445,867	166,169	138,507	133,762	7,429
2031	446,252	169,013	136,762	133,142	7,335
2032	448,691	172,562	135,920	132,919	7,290
2033	451,859	175,667	135,794	133,115	7,283
2034	460,155	177,102	139,167	136,422	7,464
2035	471,144	175,534	145,339	142,476	7,795
2036	463,803	168,569	145,669	141,752	7,813
2037	455,824	162,673	144,827	140,556	7,768
2038	444,494	159,250	140,792	136,900	7,552
2039	450,687	161,196	141,887	139,994	7,610
2040	456,542	162,988	142,893	142,997	7,664

Table E-6: Female population 15 to less than 50, medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	1,589,410	572,424	577,837	408,156	30,993
2021	1,637,719	589,058	592,817	424,048	31,796
2022	1,688,438	606,852	608,091	440,879	32,616
2023	1,739,833	625,178	623,079	458,156	33,420
2024	1,789,536	643,146	637,019	475,204	34,167
2025	1,835,866	660,120	649,387	491,528	34,831
2026	1,878,068	675,799	659,951	506,921	35,397
2027	1,916,537	690,326	668,881	521,454	35,876
2028	1,952,573	704,218	676,694	535,366	36,295
2029	1,987,825	718,121	684,048	548,967	36,689
2030	2,023,461	732,462	691,441	562,473	37,085
2031	2,057,654	747,352	698,163	574,693	37,446
2032	2,092,312	762,531	705,103	586,860	37,818
2033	2,127,196	777,477	712,371	599,140	38,208
2034	2,161,983	791,392	720,151	611,815	38,625
2035	2,197,505	803,313	729,294	625,782	39,116
2036	2,224,686	813,004	735,552	636,678	39,452
2037	2,251,694	822,370	741,753	647,787	39,784
2038	2,278,245	831,346	747,824	658,965	40,110
2039	2,304,022	839,892	753,679	670,027	40,424
2040	2,328,830	847,996	759,259	680,852	40,723

Table E-7: Population 60+, medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	224,598	80,362	92,040	47,260	4,936
2021	231,949	83,301	94,877	48,683	5,088
2022	241,056	86,726	98,508	50,539	5,283
2023	252,424	90,810	103,101	52,983	5,530
2024	266,649	95,775	108,830	56,207	5,837
2025	283,918	101,706	115,721	60,285	6,206
2026	304,753	108,780	123,979	65,345	6,649
2027	328,471	116,782	133,338	71,200	7,151
2028	352,664	124,957	142,810	77,238	7,659
2029	374,183	132,311	151,110	82,657	8,105
2030	391,013	138,215	157,422	86,933	8,443
2031	402,448	142,440	161,452	89,897	8,659
2032	409,685	145,381	163,700	91,824	8,780
2033	414,974	147,796	165,129	93,193	8,856
2034	421,482	150,746	167,086	94,689	8,961
2035	431,529	155,003	170,558	96,820	9,148
2036	445,497	160,712	175,693	99,669	9,423
2037	462,917	167,700	182,286	103,154	9,777
2038	484,166	176,024	190,511	107,413	10,218
2039	509,486	185,672	200,495	112,566	10,753
2040	538,895	196,583	212,253	118,675	11,384

Table E-8: Population 15 to less than 65, medium scenario, 2020-2040

Year	Kurdistan Region	Erbil	Sulaymaniyah	Duhok	Halabja
2020	3,659,300	1,320,131	1,340,000	927,298	71,871
2021	3,776,814	1,362,899	1,377,303	962,740	73,872
2022	3,900,050	1,408,548	1,415,774	999,793	75,935
2023	4,025,600	1,455,638	1,454,319	1,037,641	78,002
2024	4,148,689	1,502,121	1,491,425	1,075,151	79,992
2025	4,266,081	1,546,584	1,526,093	1,111,552	81,852
2026	4,376,160	1,588,390	1,557,773	1,146,446	83,551
2027	4,480,157	1,628,016	1,586,917	1,180,110	85,114
2028	4,582,046	1,666,927	1,615,031	1,213,466	86,622
2029	4,686,771	1,706,920	1,644,002	1,247,673	88,176
2030	4,797,654	1,749,209	1,675,102	1,283,499	89,844
2031	4,911,096	1,794,271	1,706,367	1,318,937	91,521
2032	5,030,885	1,841,566	1,739,977	1,356,018	93,324
2033	5,154,743	1,889,765	1,775,234	1,394,529	95,215
2034	5,279,568	1,936,823	1,811,300	1,434,296	97,149
2035	5,405,535	1,980,475	1,849,142	1,476,739	99,179
2036	5,511,172	2,017,601	1,880,216	1,512,509	100,846
2037	5,614,678	2,053,848	1,909,897	1,548,495	102,438
2038	5,715,442	2,089,062	1,937,938	1,584,500	103,942
2039	5,813,049	2,123,185	1,964,161	1,620,355	105,348
2040	5,907,333	2,156,218	1,988,504	1,655,957	106,654

Appendix F) Summary demographic indicators, 2021-2040

Table F.1 Summary demographic indicators, medium scenario 2021 to 2030

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Erbil										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.49	0.47	0.44	0.42	0.41	0.4	0.4	0.4	0.39	0.39
Mortality										
Male LE	73.9	74.1	74.3	74.5	74.8	75	75.1	75.3	75.5	75.7
Female LE	76.7	76.9	77.1	77.3	77.5	77.7	77.9	78.1	78.3	78.5
Total LE	75.3	75.5	75.7	75.9	76.1	76.3	76.5	76.7	76.9	77.1
IMR	24	23.6	23.1	22.6	22.2	21.7	21.3	20.9	20.6	20.2
U5MR	29.7	28.8	28.3	27.7	27.1	26.5	26	25.5	25.1	24.6
Vital Rates										
CBR per 1000	23.5	23.4	23.2	23	22.7	22.5	22.3	22	21.8	21.6
CDR per 1000	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5
Doubling time	35.3	35.5	35.7	36.1	36.5	36.9	37.3	37.8	38.3	38.8
Annual births and deaths										
Births	54,114	54,813	55,439	56,012	56,550	57,065	57,556	58,028	58,488	58,940
Deaths	8,477	8,508	8,579	8,676	8,795	8,932	9,099	9,280	9,470	9,666
Population										
Percent 0-4	12.54	12.05	11.57	11.16	10.85	10.76	10.67	10.57	10.47	10.38
Percent 5-14	24.59	24.23	23.81	23.37	22.91	22.33	21.83	21.39	20.97	20.54
Percent 15-24	19.45	19.57	19.77	19.98	20.16	20.31	20.44	20.52	20.53	20.45
Percent 15-49	51.98	52.64	53.28	53.83	54.24	54.5	54.63	54.69	54.73	54.81
Percent 15-64	59.25	60.03	60.82	61.55	62.15	62.62	62.98	63.29	63.63	64.03
Percent 65 and over	3.62	3.7	3.79	3.92	4.09	4.29	4.52	4.74	4.93	5.06

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Percent females 15-49	51.74	52.26	52.8	53.27	53.64	53.89	54.02	54.1	54.17	54.27
Sex ratio	102.01	102.06	102.11	102.15	102.2	102.25	102.29	102.33	102.37	102.41
Dependency ratio	0.69	0.67	0.64	0.62	0.61	0.6	0.59	0.58	0.57	0.56
Median age	22	22	22	22	23	23	23	24	24	24
Sulaymaniyah										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.4	0.4	0.39	0.38	0.37	0.36	0.36	0.36	0.36	0.35
Mortality										
Male LE	73.9	74.1	74.3	74.5	74.8	75	75.1	75.3	75.5	75.7
Female LE	76.7	76.9	77.1	77.3	77.5	77.7	77.9	78.1	78.3	78.5
Total LE	75.3	75.5	75.7	75.9	76.1	76.3	76.5	76.7	76.9	77.1
IMR	24	23.6	23.1	22.6	22.2	21.7	21.3	20.9	20.6	20.2
U5MR	29.9	28.9	28.3	27.7	27.1	26.5	26	25.5	25.1	24.6
Vital Rates										
CBR per 1000	21.9	21.7	21.5	21.3	21	20.8	20.6	20.3	20.1	19.8
CDR per 1000	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4	4	4
Doubling time	39.7	40	40.4	40.8	41.3	41.8	42.4	42.9	43.6	44.3
Annual births and deaths										
Births	48,071	48,452	48,793	49,103	49,392	49,665	49,921	50,157	50,365	50,535
Deaths	9,462	9,489	9,523	9,570	9,636	9,724	9,846	9,987	10,141	10,303
Population										
Percent 0-4	10.88	10.77	10.63	10.44	10.12	10.02	9.92	9.82	9.71	9.61
Percent 5-14	21.93	21.33	20.74	20.25	19.98	19.57	19.25	18.98	18.74	18.51
Percent 15-24	19.75	19.75	19.77	19.78	19.75	19.68	19.57	19.42	19.21	18.93
Percent 15-49	54.46	55.01	55.49	55.83	56	56	55.84	55.58	55.31	55.06
Percent 15-64	62.86	63.48	64.08	64.59	64.98	65.22	65.34	65.41	65.52	65.71

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Percent 65 and over	4.33	4.42	4.54	4.71	4.93	5.19	5.49	5.78	6.02	6.17
Percent females 15-49	54.16	54.6	55	55.29	55.43	55.41	55.25	55	54.72	54.45
Sex ratio	100.18	100.26	100.33	100.4	100.47	100.54	100.6	100.66	100.72	100.77
Dependency ratio	0.59	0.58	0.56	0.55	0.54	0.53	0.53	0.53	0.53	0.52
Median age	24	24	24	25	25	25	26	26	26	27
Duhok										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.55	0.53	0.51	0.5	0.48	0.47	0.47	0.47	0.46	0.46
Mortality										
Male LE	73.9	74.1	74.3	74.5	74.8	75	75.1	75.3	75.5	75.7
Female LE	76.7	76.9	77.1	77.3	77.5	77.7	77.9	78.1	78.3	78.5
Total LE	75.3	75.5	75.7	75.9	76.1	76.3	76.5	76.7	76.9	77.1
IMR	24	23.5	23.1	22.6	22.1	21.7	21.3	20.9	20.6	20.2
U5MR	29.9	28.8	28.2	27.6	27	26.4	26	25.5	25.1	24.6
Vital Rates										
CBR per 1000	27.3	27.2	27.2	27.1	26.9	26.8	26.7	26.5	26.3	26.1
CDR per 1000	3.5	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.1
Doubling time	29.5	29.4	29.4	29.5	29.5	29.7	29.8	30	30.2	30.4
Annual births and deaths										
Births	46,042	47,114	48,142	49,138	50,114	51,072	52,011	52,925	53,810	54,661
Deaths	5,843	5,839	5,863	5,905	5,962	6,033	6,128	6,235	6,350	6,470
Population										
Percent 0-4	13.78	13.53	13.28	13.01	12.61	12.58	12.53	12.48	12.42	12.35
Percent 5-14	26.33	25.76	25.18	24.68	24.38	23.81	23.32	22.9	22.53	22.18
Percent 15-24	20.88	20.99	21.14	21.28	21.38	21.42	21.42	21.38	21.26	21.07
Percent 15-49	50.73	51.5	52.22	52.83	53.32	53.66	53.87	53.99	54.07	54.14

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Percent 15-64	57.01	57.79	58.55	59.22	59.77	60.19	60.5	60.75	61.02	61.32
Percent 65 and over	2.88	2.92	2.99	3.1	3.24	3.43	3.65	3.87	4.04	4.15
Percent females 15-49	50.36	51.14	51.9	52.58	53.12	53.51	53.77	53.94	54.05	54.12
Sex ratio	100.55	100.67	100.77	100.87	100.97	101.07	101.16	101.24	101.32	101.4
Dependency ratio	0.75	0.73	0.71	0.69	0.67	0.66	0.65	0.65	0.64	0.63
Median age	19	20	20	20	21	21	21	22	22	22
Halabja										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.4	0.4	0.39	0.38	0.37	0.36	0.36	0.36	0.36	0.35
Mortality										
Male LE	73.9	74.1	74.3	74.5	74.8	75	75.1	75.3	75.5	75.7
Female LE	76.7	76.9	77.1	77.3	77.5	77.7	77.9	78.1	78.3	78.5
Total LE	75.3	75.5	75.7	75.9	76.1	76.3	76.5	76.7	76.9	77.1
IMR	24	23.6	23.1	22.6	22.2	21.7	21.3	20.9	20.6	20.2
U5MR	29.9	28.9	28.3	27.7	27.1	26.5	26	25.5	25.1	24.6
Vital Rates										
CBR per 1000	21.9	21.7	21.5	21.3	21	20.8	20.6	20.3	20.1	19.8
CDR per 1000	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4	4	4
Doubling time	39.7	40	40.4	40.8	41.3	41.8	42.4	42.9	43.6	44.3
Annual births and deaths										
Births	2,578	2,599	2,617	2,634	2,649	2,664	2,678	2,690	2,701	2,710
Deaths	507	509	511	513	517	521	528	536	544	553
Population										
Percent 0-4	10.88	10.77	10.63	10.44	10.12	10.02	9.92	9.82	9.71	9.61
Percent 5-14	21.93	21.33	20.74	20.25	19.98	19.57	19.25	18.99	18.75	18.51
Percent 15-24	19.75	19.75	19.77	19.78	19.75	19.67	19.57	19.41	19.21	18.93

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Percent 15-49	54.46	55.01	55.49	55.83	56	56	55.84	55.58	55.31	55.06
Percent 15-64	62.86	63.48	64.08	64.59	64.97	65.21	65.34	65.41	65.52	65.71
Percent 65 and over	4.33	4.42	4.54	4.71	4.93	5.19	5.49	5.78	6.02	6.17
Percent females 15-49	54.16	54.6	55	55.29	55.43	55.41	55.25	55	54.72	54.45
Sex ratio	100.18	100.26	100.33	100.4	100.47	100.54	100.6	100.66	100.72	100.77
Dependency ratio	0.59	0.58	0.56	0.55	0.54	0.53	0.53	0.53	0.53	0.52
Median age	24	24	24	25	25	25	26	26	26	27

Table F.2 Summary demographic indicators, medium scenario 2031 to 2040

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Erbil										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.38	0.38	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36
Mortality										
Male LE	75.8	76	76.2	76.4	76.6	76.8	77	77.1	77.3	77.5
Female LE	78.7	79	79.2	79.4	79.6	79.9	80.1	80.3	80.4	80.6
Total LE	77.3	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1
IMR	19.9	19.5	19.1	18.8	18.4	18.1	17.7	17.4	17.1	16.8
U5MR	24.2	23.7	23.3	22.8	22.4	21.9	21.5	21.1	20.8	20.4
Vital Rates										
CBR per 1000	21.4	21.1	20.9	20.7	20.5	20.2	20	19.7	19.5	19.2
CDR per 1000	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.8	3.8
Doubling time	39.3	39.8	40.3	40.9	41.5	42.1	42.8	43.6	44.4	45.3
Annual births and deaths										
Births	59,385	59,819	60,239	60,639	61,004	61,321	61,603	61,857	62,056	62,162
Deaths	9,867	10,074	10,290	10,520	10,768	11,036	11,329	11,650	11,989	12,351
Population										
Percent 0-4	10.28	10.18	10.08	9.98	9.89	9.79	9.69	9.59	9.49	9.38
Percent 5-14	20.09	19.64	19.2	18.8	18.49	18.36	18.23	18.1	17.96	17.83
Percent 15-24	20.27	20.02	19.72	19.41	19.07	18.63	18.26	17.94	17.63	17.32
Percent 15-49	54.92	55.06	55.21	55.3	55.28	55.07	54.86	54.62	54.37	54.1
Percent 15-64	64.51	65.05	65.59	66.07	66.43	66.55	66.64	66.69	66.72	66.71
Percent 65 and over	5.12	5.13	5.13	5.14	5.2	5.3	5.44	5.62	5.83	6.08
Percent females 15-49	54.4	54.53	54.65	54.68	54.58	54.33	54.07	53.79	53.49	53.18

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Sex ratio	102.45	102.48	102.51	102.54	102.57	102.6	102.63	102.66	102.69	102.71
Dependency ratio	0.55	0.54	0.52	0.51	0.51	0.5	0.5	0.5	0.5	0.5
Median age	25	25	26	26	26	27	27	27	28	28
Sulaymaniyah										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.35	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.32
Mortality										
Male LE	75.8	76	76.2	76.4	76.6	76.8	77	77.1	77.3	77.5
Female LE	78.7	79	79.2	79.4	79.6	79.9	80.1	80.3	80.4	80.6
Total LE	77.3	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1
IMR	19.9	19.5	19.1	18.8	18.4	18.1	17.7	17.4	17.1	16.8
U5MR	24.2	23.7	23.3	22.8	22.4	21.9	21.5	21.1	20.8	20.4
Vital Rates										
CBR per 1000	19.6	19.3	19	18.7	18.5	18.2	17.9	17.5	17.2	16.9
CDR per 1000	4	4	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.4
Doubling time	45	45.8	46.7	47.6	48.6	49.8	51.1	52.6	54.1	55.7
Annual births and deaths										
Births	50,656	50,730	50,768	50,774	50,755	50,653	50,460	50,240	50,010	49,806
Deaths	10,470	10,646	10,835	11,046	11,288	11,564	11,874	12,219	12,586	12,978
Population										
Percent 0-4	9.5	9.39	9.27	9.16	9.04	8.91	8.79	8.65	8.52	8.38
Percent 5-14	18.37	18.22	18.04	17.82	17.49	17.34	17.19	17.04	16.89	16.73
Percent 15-24	18.5	18.04	17.58	17.21	17.03	16.73	16.5	16.32	16.17	16.02
Percent 15-49	54.77	54.53	54.35	54.21	54.19	53.98	53.78	53.57	53.35	53.12
Percent 15-64	65.89	66.17	66.5	66.85	67.27	67.44	67.57	67.65	67.69	67.67
Percent 65 and over	6.23	6.23	6.19	6.17	6.2	6.3	6.45	6.65	6.91	7.22

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Percent females 15-49	54.14	53.86	53.62	53.42	53.33	53.04	52.77	52.51	52.25	51.98
Sex ratio	100.83	100.87	100.92	100.96	101	101.04	101.08	101.12	101.16	101.2
Dependency ratio	0.52	0.51	0.5	0.5	0.49	0.48	0.48	0.48	0.48	0.48
Median age	27	28	28	28	29	29	29	30	30	31
Duhok										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.46	0.46	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43
Mortality										
Male LE	75.8	76	76.2	76.4	76.6	76.8	77	77.1	77.3	77.5
Female LE	78.7	79	79.2	79.4	79.6	79.9	80.1	80.3	80.4	80.6
Total LE	77.3	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1
IMR	19.8	19.5	19.1	18.8	18.4	18.1	17.7	17.4	17.1	16.8
U5MR	24.2	23.7	23.3	22.8	22.4	21.9	21.5	21.1	20.8	20.4
Vital Rates										
CBR per 1000	25.9	25.6	25.4	25.1	24.8	24.5	24.1	23.8	23.4	23.1
CDR per 1000	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2
Doubling time	30.7	31.1	31.4	31.8	32.2	32.7	33.3	33.9	34.6	35.2
Annual births and deaths										
Births	55,455	56,191	56,886	57,543	58,170	58,672	59,038	59,365	59,670	59,991
Deaths	6,595	6,725	6,863	7,013	7,180	7,362	7,562	7,784	8,022	8,280
Population										
Percent 0-4	12.27	12.19	12.09	11.99	11.88	11.76	11.63	11.49	11.35	11.19
Percent 5-14	21.95	21.74	21.53	21.3	20.96	20.9	20.83	20.76	20.67	20.57
Percent 15-24	20.7	20.28	19.86	19.5	19.3	18.89	18.55	18.27	18.03	17.8
Percent 15-49	54.09	54.05	54.02	54.02	54.14	53.98	53.83	53.7	53.55	53.37
Percent 15-64	61.58	61.88	62.22	62.58	63.03	63.17	63.32	63.45	63.57	63.68

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Percent 65 and over	4.2	4.19	4.16	4.13	4.13	4.16	4.22	4.3	4.42	4.56
Percent females 15-49	54.06	53.98	53.89	53.84	53.89	53.66	53.47	53.28	53.09	52.89
Sex ratio	101.47	101.54	101.61	101.68	101.74	101.8	101.86	101.91	101.97	102.02
Dependency ratio	0.62	0.62	0.61	0.6	0.59	0.58	0.58	0.58	0.57	0.57
Median age	23	23	23	24	24	24	24	25	25	25
Halabja										
Fertility										
Mean age of childbearing	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Child-woman ratio	0.35	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.32
Mortality										
Male LE	75.8	76	76.2	76.4	76.6	76.8	77	77.1	77.3	77.5
Female LE	78.7	79	79.2	79.4	79.6	79.9	80.1	80.3	80.4	80.6
Total LE	77.3	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1
IMR	19.9	19.5	19.1	18.8	18.4	18.1	17.7	17.4	17.1	16.8
U5MR	24.2	23.7	23.3	22.8	22.4	21.9	21.5	21.1	20.8	20.4
Vital Rates										
CBR per 1000	19.6	19.3	19	18.7	18.5	18.2	17.9	17.5	17.2	16.9
CDR per 1000	4	4	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.4
Doubling time	45	45.8	46.7	47.6	48.6	49.8	51.1	52.6	54.1	55.7
Annual births and deaths										
Births	2,717	2,721	2,723	2,723	2,722	2,717	2,706	2,695	2,682	2,671
Deaths	562	571	581	592	605	620	637	655	675	696
Population										
Percent 0-4	9.5	9.39	9.27	9.16	9.04	8.91	8.79	8.65	8.52	8.38
Percent 5-14	18.37	18.22	18.04	17.82	17.49	17.34	17.19	17.04	16.89	16.73
Percent 15-24	18.5	18.04	17.58	17.21	17.03	16.73	16.5	16.32	16.17	16.02
Percent 15-49	54.77	54.53	54.35	54.21	54.19	53.98	53.77	53.57	53.35	53.12

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Percent 15-64	65.89	66.17	66.5	66.85	67.27	67.44	67.57	67.65	67.69	67.67
Percent 65 and over	6.23	6.22	6.19	6.17	6.2	6.3	6.45	6.65	6.91	7.22
Percent females 15-49	54.14	53.86	53.62	53.42	53.33	53.04	52.77	52.51	52.24	51.98
Sex ratio	100.82	100.87	100.92	100.96	101	101.04	101.08	101.12	101.16	101.2
Dependency ratio	0.52	0.51	0.5	0.5	0.49	0.48	0.48	0.48	0.48	0.48
Median age	27	28	28	28	29	29	29	30	30	31

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