ALTERNATIVE DEMOGRAPHIC SCENARIOS FOR 20 LARGE MEMBER STATES OF THE COUNCIL OF EUROPE, 1990-2050

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Foreword

IIASA scientists have taken part in a recent effort of the Council of Europe to produce a volume on the future of Europe's population. The alternative scenario approach, which is applied here to the field of population projection, follows up on earlier work of IIASA's Population Project. The IIASA book *Future Demographic Trends in Europe and North America: What Can We Assume Today?* (W. Lutz, Editor, Academic Press, 1991) has provided some of the groundwork for this effort. While that book only gave scenario projections for the regions of Eastern Europe, Western Europe and North America, this chapter in the Council of Europe book gives such scenario projections for a large number of individual countries in Europe.

In its original form the chapter does not include specific tables with the results for individual countries, but rather includes summary tables. Because of frequent demand for the projection results pertaining to individual countries, however, it was decided that an appendix with the country tables should be attached to this reprint of the chapter.

The scenario projections presented here make more extreme assumptions in the high and low values of possible future fertility, mortality and migration levels than are usual in national population projections. Hence this effort should not be seen as competition to national projections, but rather as a scientific contribution to the discussion about possible future population trends and the sensitivity of certain policies (such as pension schemes) to such alternative paths. Future population trends are inherently uncertain. This chapter calculates what happens if they are more uncertain than is usually assumed.

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Alternative Demographic Scenarios for 20 Large Member States of the Council of Europe, 1990-2050

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The following chapter gives alternative population projections for all member countries of the Council of Europe that have a population of more than one million in 1990. Turkey has not been included in this analysis as it is in a demographic sense completely different from all other countries. Neither has Turkey completed the demographic transition, nor is it comparable with respect to migration. The following 20 countries have been considered: Austria, Belgium, Bulgaria, the Czech and Slovak Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

5.1. Definition of scenarios

Table 5.1 lists the scenarios that were defined following the discussions in the preceding chapters on mortality, fertility and migration. In order to keep the size of output and the discussions of results at a manageable scale it was decided to select only nine alternative scenarios out of the essentially unlimited number of combinations between different fertility, mortality and migration assumptions. Even given the restriction to only three different fertility, three mortality and three migration assumptions, a total of 27 scenarios could be defined by cross-classifying these assumptions. When selecting only one-third of the possible combinations the criterion was to choose all extreme combinations (scenarios 1 to 8) plus one average reference assumption (scenario 0). This specific choice results in a systematic permutation of alternative scenario assumptions, a prerequisite for a careful sensitivity analysis. The scenarios are not necessarily realistic, but they mark out the possible range of future demographic trends. Not selecting the extreme combinations would mean to veil possible population developments. The average reference scenario will be and to some extent can be interpreted as the

most likely variant. The idea of the scenario approach, however, is that the user can attach his own probabilities to the given scenarios, depending on the country or countries he is interested in. No probabilities will be assigned to any of the scenarios when discussing some of the most interesting results. Even the average reference scenario will be given equal importance as there is no reasonable justification for that scenario being more likely than the others for all single countries. In the discussion of results, emphasis will be put on one-by-one comparisons, for example what is the impact of one million immigrants annually *versus* no immigration under otherwise identical assumptions?

Table 5.1.   *Demographic assumptions of nine scenarios*

Number of scenario	Total Fertility Rate	Life Expectancy male/female	Annual number of immigrants
0	1.7	83.5/89	0.5 million
1	1.3	77/83	zero
2	1.3	77/83	1 million
3	1.3	90/95	zero
4	1.3	90/95	1 million
5	2.1	77/83	zero
6	2.1	77/83	1 million
7	2.1	90/95	zero
8	2.1	90/95	1 million

Notes:

Fertility:	Reach levels in 2015 (mean length of generation).
Mortality:	Low--Increase by 1 year/decade until 77/83 is reached.
	Medium--Increase by 2 years/decade until 83.5/89 is reached.
	High--Increase by 3 years/decade until 90/95 is reached.
Migration:	Reach levels in 2000; between 1990 and 1995, one million immigrants annually. Distribution of immigrants over countries discussed in Chapter 4.

Figures 5.1 and 5.2 below oppose past developments (based on figures presented in Chapters 2 and 3) and future assumptions concerning fertility and mortality, respectively, for all 20 countries together. The Total Fertility Rate (TFR) has declined rapidly from around 2.65 in 1965 to around 1.65 in 1990 (see figure 5.1), while female life expectancy at birth has increased almost linearly from 72 years in 1960 to 79 years in 1990 (see figure 5.2). National trends were less regular, both in the case of fertility and of mortality (see Chapters 2 and 3). Medium fertility assumptions are close to overall fertility levels during the last five years, while the increase in life expectancy assumed for the medium mortality variant is somewhat lower than the increase observed during the last three decades.

Figure 5.1.   *Total Fertility Rate of all 20 countries together: past development and assumptions for the future*

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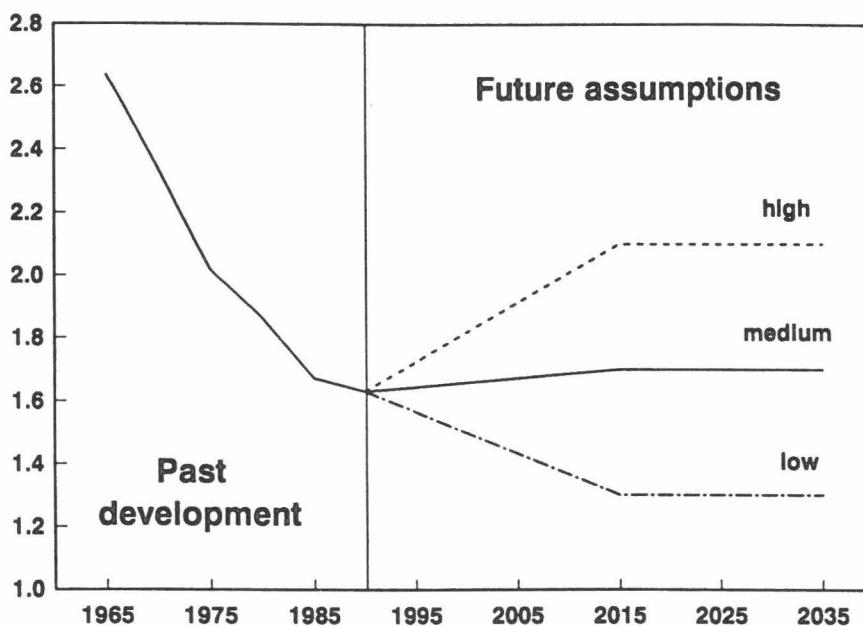
Scenarios 1 and 5 combine the low life expectancy assumption with zero immigration but have two very different fertility assumptions, namely a TFR of 1.3 against a replacement level fertility of 2.1. Both are extreme scenarios on the basis of our knowledge but their comparison can tell us about the impact of alternative fertility levels. Scenarios 3 and 7 make a similar comparison possible but under conditions of steeply increasing life expectancy. Hence a comparison of the differences between scenarios 1 and 5 on the one hand and 3 and 7 on the other hand shows the impact of alternative mortality levels on the fertility effect. This last question refers to a second- order impact analysis.

Figure 5.2.   *Female life expectancy, all 20 countries together: past development and assumptions for the future*
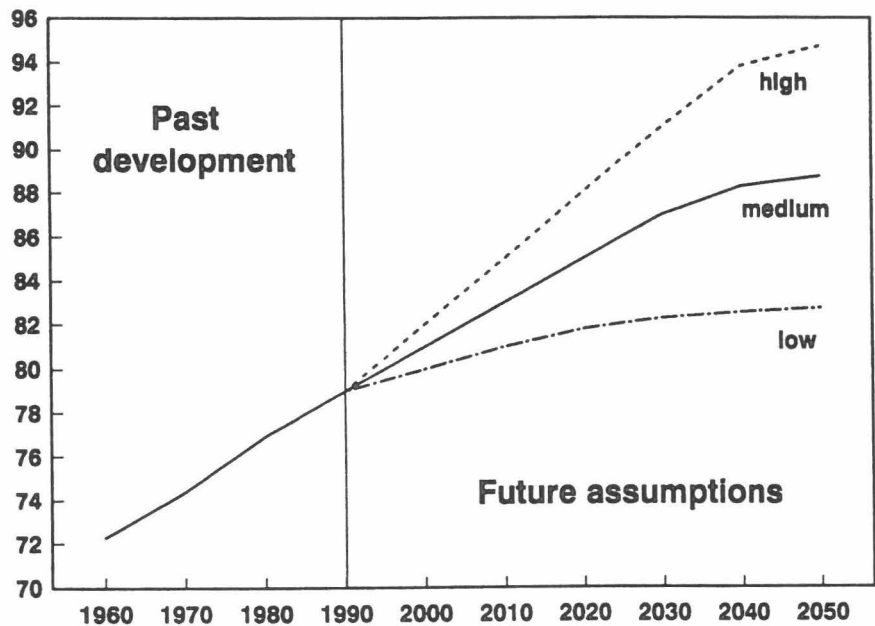
A comparison between scenarios 3 and 4 allows the assessment of strong immigration under the conditions of very low fertility and mortality, that is, a situation of extreme ageing. Comparing scenario 4 to scenario 8 indicates the difference high fertility would make under strong immigration and low mortality conditions. Comparing scenarios 5 and 6, again, shows the impact of high immigration under high fertility and mortality conditions.

If one is interested in the consequences of alternative assumed mortality conditions under otherwise identical circumstances, a comparison of scenarios 1 and 3 will give this information for the case of no immigration and low fertility, and a comparison of scenarios 5 and 7 for the case of no immigration and high fertility. Again, comparing differences between scenarios 1 and 3 on the one hand and scenarios 5 and 7 on the other hand gives a second-order impact analysis of alternative fertility levels on the mortality effect. Comparing scenarios 2 and 4, and scenarios 6 and 8 will give the same information under assumed high immigration.

A comparison between scenarios 1 and 4 will show the combined effect of strong immigration and increasing life expectancy under low fertility conditions. There are several other cases worth studying in which one variable remains unchanged, that is when the combined effect of two changes is given. Scenario 0, the reference scenario, generally provides a kind of average trend to be compared to possible extreme developments.

In all cases a convergence of fertility and mortality levels among the 20 countries is assumed, supported by the demographic trends of the past decades and the development towards a European union. Concerning fertility it is assumed that all countries reach the specified level by the year 2015 which corresponds roughly to the mean length of a generation. For the period between 1990 and 2015 fertility levels are interpolated. The rationale for this assumption which implies a convergence in presently different fertility levels is given in Chapter 2 above. For mortality, a different mode of convergence has been assumed. In the low case, life expectancy for men and women increases by 1 year during a decade until the level of 77/83 years is reached. In the medium case, it increases by 2 years per decade until 83.5/89 years is reached, and in the high case it increases by 3 years per decade until 90/95 years is reached. Depending on the mortality level in 1990, in some countries the target values are not reached within the projection period. Again, the rationale for these assumptions which imply

identical speeds of improvement for countries presently at different levels is given in Chapter 3 above. For Bulgaria, the CSFR, Hungary, and Poland a smoother ten-year mortality transition period was assumed with half the improvement in each of the three cases. Assuming convergence in fertility and mortality levels implies that country-specific projections will be biased in the short run, i.e. for the next 10 to 15 years. According to our assumptions, some countries would experience an unexpected jump upwards or downwards (be it in fertility or mortality) during the coming decade. Consequently, in the short run country specific projections cannot be directly compared to national forecasts, but neither projection results for all countries together nor long-term country-specific projections are affected by this assumption on convergence in levels.

While, both in the case of fertility and of mortality, levels have been assumed to converge, age differentials were kept constant in each country. Concerning mortality, a reasonable age pattern needs to be assumed freely by the modeler in any case, as no model mortality life tables for a life expectancy at birth equal to 95 years exist. In the case of fertility, a level corresponding to a TFR equal to say 1.3 may be obtained by quite different age-specific rates. There is, however, hardly any consequence on the results of population projections as long as the size of subsequent cohorts is reasonably stable. It is the number of births that matters, but not the relative distribution over ages of mothers.

In the case of immigration the stated level is assumed to be reached by the turn of the century. During the period 1990-1995, one million immigrants annually are assumed. The distribution of immigrants over the individual countries results from a complex weighing procedure which considers both population size and the level of recent immigration. This procedure is discussed in more detail in Chapter 4 above. Some assumptions have to be mentioned. Firstly, since immigration is equal to net migration, it is assumed that in the case of zero immigration (scenarios 1, 3, 5 and 7) at each age immigration = emigration = net migration = zero. While this may be wrong in reality, as we should expect immigration at some age groups, and emigration at some other age groups, this simplification is defendable in a long-term projection model. Secondly, the proportional distribution of immigrants over the 20 countries is kept constant, although it may be possible that — due to economic development and to the nearness of the Mediterranean countries — in particular some southern and eastern European countries will have a larger share in the future. Thirdly, all non-east European Council of Europe countries are assumed to be net immigration

countries in the future, while for example Ireland has been a net emigration
country for most of its past. But even Ireland could become an immigration
country in the future, as can be seen from the 1970s. Fourthly, formerly eastern
European countries have not been considered net immigration countries. Due to
the uncertain economic situation, Bulgaria, the CSFR, Hungary and Poland have
been assigned zero net migration, a simplification that again seems defendable in
the long run.

5.2. Population size and growth

Figure 5.3 plots the total population sizes for all 20 countries together from 1990
to 2050 under the nine scenarios defined above. All the aggregate information
discussed in the following has been derived by summation of individual country
results.

Figure 5.3.   *Total population size of all 20 countries together*
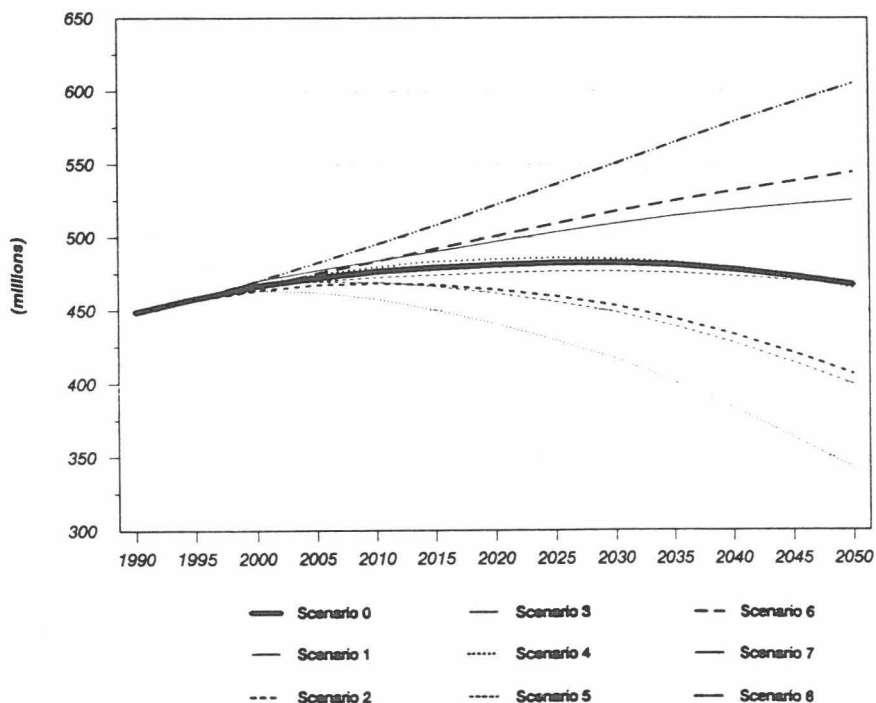
As expected, the graph gives the picture of an opening trumpet with variation increasing over time. Scenario 1 with the lowest fertility and life expectancy assumptions and no immigration will result in a significant decline in the total population size especially after 2010, from 450 million people in 1990 to only 340 million in 2050. Up to the year 2010 there will be little if no decline, which is due to age structural effects and the step-by-step approach of the assumed low TFR, while the decline clearly gains momentum thereafter.

Table 5.2.   *Population size in millions, 1990 and 2050 by scenario*

Country	Size in 1990	Projected size in 2050		
		Scen.0	Scen.1	Scen.8
All countries	448.9	467.7	342.1	605.6
Austria	7.6	7.6	5.4	10.1
Belgium	9.9	9.7	7.1	12.8
Bulgaria	9.0	8.0	6.3	9.9
Czechoslovakia	15.7	15.8	12.5	19.5
Denmark	5.1	5.1	3.7	6.6
Finland	5.0	5.1	3.8	6.5
France	56.7	65.2	47.6	84.5
Germany	78.0	78.8	53.8	106.7
Greece	10.2	10.5	7.5	13.7
Hungary	10.6	9.0	7.0	11.1
Ireland	3.7	5.2	4.0	6.5
Italy	57.7	55.9	40.4	73.0
Netherlands	14.9	16.4	11.7	21.5
Norway	4.2	4.8	3.5	6.3
Poland	38.4	41.3	32.8	50.6
Portugal	9.9	11.6	8.4	15.2
Spain	39.3	39.4	29.6	49.9
Sweden	8.5	9.4	6.7	12.4
Switzerland	6.6	7.4	4.9	10.2
United Kingdom	57.3	61.3	45.4	78.5

Effects of this rather extreme population decline scenario will be quite different for individual countries. This can be seen from Table 5.2 above which gives the population size of each country and of all countries together, for 1990 and for 2050 according to the reference scenario 0 and the two extreme scenarios with respect to total population size (scenarios 1 and 8).

Under the low population size scenario 1, Italy, which is presently still slightly larger than France, would decline from 57.7 million to 40.4 million by 2050 while France would only decline to 47.6 million. Under this scenario, Germany would also decline by more than 24 million, while Hungary would lose one-third of its present population over the next 60 years. The other extreme is Ireland: due to its extremely young population structure the total population size would even under this extreme assumption, increase until 2020 and be 8% above the 1990 value in 2050.

The second lowest population sizes result from scenarios that differ from scenario 1 only with respect to one variable, mortality or migration (see Figure 5.3): scenario 3, assuming significant improvements in mortality, and scenario 2, assuming one million immigrants annually. As compared to scenario 1 both scenarios will result in a visibly greater number of inhabitants by the year 2050: 56 million in the case of high life expectancy, and 64 million in the case of high immigration.

There is another group of three scenarios which are very similar to each other in terms of total population sizes although they will be different in terms of age structural characteristics. Scenarios 0, 4 and 5 all result in total population sizes slightly below 470 million by the middle of the next century which reflects a population increase of about 5% over the next 60 years. These scenarios are based on very different assumptions. Scenario 0 assumes medium fertility, mortality and migration, scenario 4 combines low fertility and mortality with high immigration, while scenario 5 combines high fertility and mortality with zero immigration. Hence we can conclude that with respect to population size the high fertility assumption of scenario 5 is compensated by the high immigration and high life expectancy assumptions of scenario 4. And both combinations of assumptions give population sizes close to that of the reference scenario.

While under this reference scenario total population size of all 20 countries together is, by 2050, some percentage points higher than in 1990, some of the

individual countries will grow considerably (Ireland +40%, Norway and France +15%) and others will shrink (Hungary -15%, Bulgaria -11%, Italy -3%, compare Table 5.2).

Clearly the highest population size at each point in time will result from scenario 8 which combines high fertility with high life expectancy and high immigration. This is interesting to note because this scenario might be considered not unlikely in terms of the fertility, mortality and migration assumptions involved. According to this scenario the population size of the 20 countries would reach 600 million by the year 2050, or increase by 35% by the middle of the next century. Low life expectancy (scenario 6) or alternatively zero immigration (scenario 7) reduces total population size of scenario 8 to 545 and 525 million, respectively, by the year 2050. Effects of the extreme population increase in scenario 8 will again be quite different for individual countries. Bulgaria and Hungary, both with zero immigration, that is scenario 8 equals scenario 7, will only grow by 5-10%. Countries like Italy or Spain will experience a 27% increase until 2050, while countries like France, Norway and Switzerland will grow by around 50%. The extreme is again Ireland with an increase of 75% by 2050, while Poland will grow by 32% even without immigration.

A comparison of zero and high immigration scenarios under otherwise identical assumptions (e.g. scenario 1 *versus* 2, scenario 3 *versus* 4, etc.) shows that in the long run, by 2050, immigration adds around 65 million people in the case of low fertility and around 80 million in the case of replacement fertility. Comparing high and low life expectancy assumptions (e.g. scenario 1 *versus* 3, scenario 5 *versus* 7, etc.) shows the long-term impact of a strong mortality decline on population size: overall it is around 58 million by 2050. Finally, comparing low and high fertility scenarios, again under otherwise identical assumptions (e.g. scenario 1 *versus* 5, scenario 2 *versus* 6, etc.), shows that by 2050 high fertility adds 125 million people without immigration and even 140 million in the case of high immigration.

Figure 5.4 gives the annual rates of natural increase for all countries together resulting from the different scenarios. Natural increase results only from the difference between births and deaths and does not reflect migration. In contrast to Figure 5.3 which shows increases and decreases, Figure 5.4 only gives decreasing curves, at least after 2015. Values above zero indicate that the popula-

tion will experience natural growth; values below zero indicate less births than deaths, that is, a shrinking of population size unless immigration compensates for it.

Figure 5.4.   *Average annual rate of natural increase of all 20 countries together (in %)*
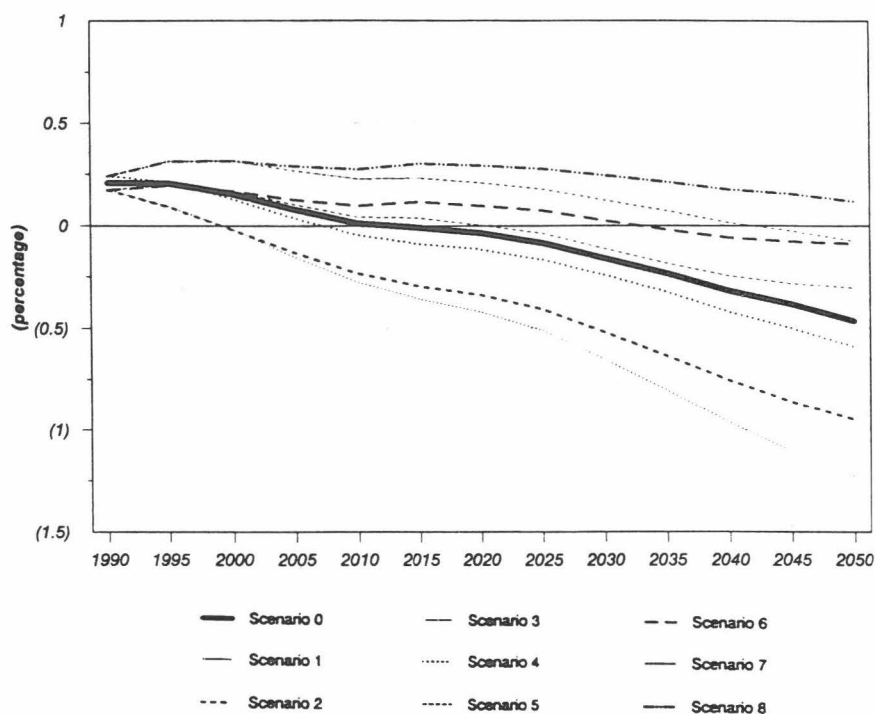
It is interesting to note that over the next 10 years all scenarios result in a positive natural increase of the western European population. Despite universal sub-replacement fertility this is due to the age structure and to some extent to declining mortality. It is also interesting to note that by the middle of the next century all scenarios except scenario 8 will result in negative or at least zero natural increase. The fact that this happens even under replacement fertility is again a consequence of the age structure, in a way the negative momentum of population growth resulting from the presently low fertility. Scenario 1 which

assumes low fertility, low life expectancy and no immigration will even result in an annual rate of decrease of 1.3% per year by the middle of the next century with the tendency to further increase the speed of shrinking. Once the process of shrinking has gained such momentum, its possible reversal would take a considerable amount of time. Although immigrants are not counted in contributing to natural increase, the children of immigrants are counted and hence make a difference on natural increase which is shown by comparisons between scenarios with zero and high immigration under otherwise identical assumptions.

5.3.   Children and working age population

Figure 5.5 gives the proportion of children aged 0-19 in the total population of all countries taken together. As could be expected, the number of children shows the greatest sensitivity to scenario assumptions concerning fertility. From 5.5 million for all countries in 1990, with low fertility (1.3 children per woman) the annual number of births would decline to only 2 million by 2050 with zero migration and to 2.75 million with high immigration. With replacement fertility, however, the annual number of births would remain stable even without immigration or increase to more than 7 million by 2050 with high immigration (see appendix tables).

The proportion of children in the population varies by a factor of two between the highest and the lowest scenario. The fact that the increase in variation is not evenly spread over time follows from the assumption that assumed fertility levels will be reached step by step and only remain constant after 2015. This can be readily seen in the figure.

Concerning the proportion of children, which was around 26% in 1990, the scenarios fall into three groups, although in the long run the differences within those groups are remarkable. The lowest proportions of children — in the extreme case of scenario 3, low fertility and mortality and zero migration, the proportion is cut into half — result from scenarios 1 to 4, which all assume a fertility level of 1.3. The second group includes only scenario 0 that has the intermediate TFR of 1.7. The third and highest group — with a constant proportion in the extreme case of scenario 6, high fertility, mortality and immigration — finally consists of scenarios 5 to 8 which assume replacement level fertility. The absolute numbers of children within these three groups vary

less than the proportions shown in the figure because the proportions are also influenced by the numbers of elderly which are subject to the mortality and immigration assumptions.

Figure 5.5.   *Proportion of children aged 0-19 in total population, all 20 countries together*
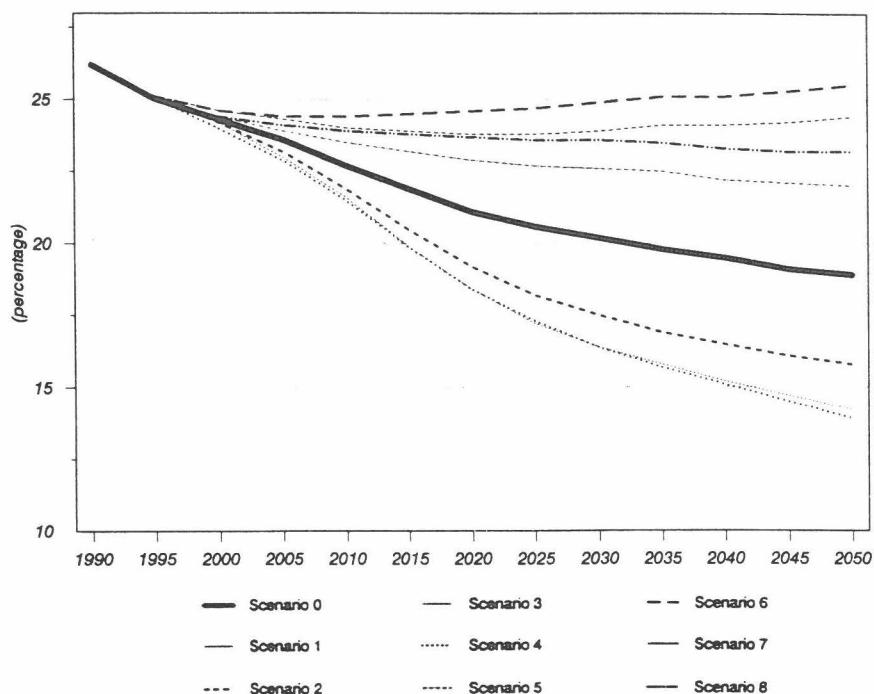
It is probably the most remarkable finding of the scenario exercise that the proportion of the population of working age is relatively insensitive to the widely differing assumptions on future fertility, mortality and migration. Figure 5.6 shows that over the next 20 years Europe can count on a relatively stable share of men and women of working age, that is, age groups 20 to 59: around 55% of the population no matter what scenario is being considered. Thereafter, there will be 25 years of significant and almost inevitable decline of proportions in working age. This decline will on average amount to about 10 percentage points. After 2040, most scenarios show a relatively stable situation with between 43% and

49% of the population of working age. Up to 2020 the difference between the lowest scenario 7, assuming high fertility and life expectancy and zero migration, and the highest scenario 2, with the opposite assumptions, will never be more than 5 percentage points.

Figure 5.6.   *Proportion of the population in the economically active age-groups 20-59, all 20 countries together*
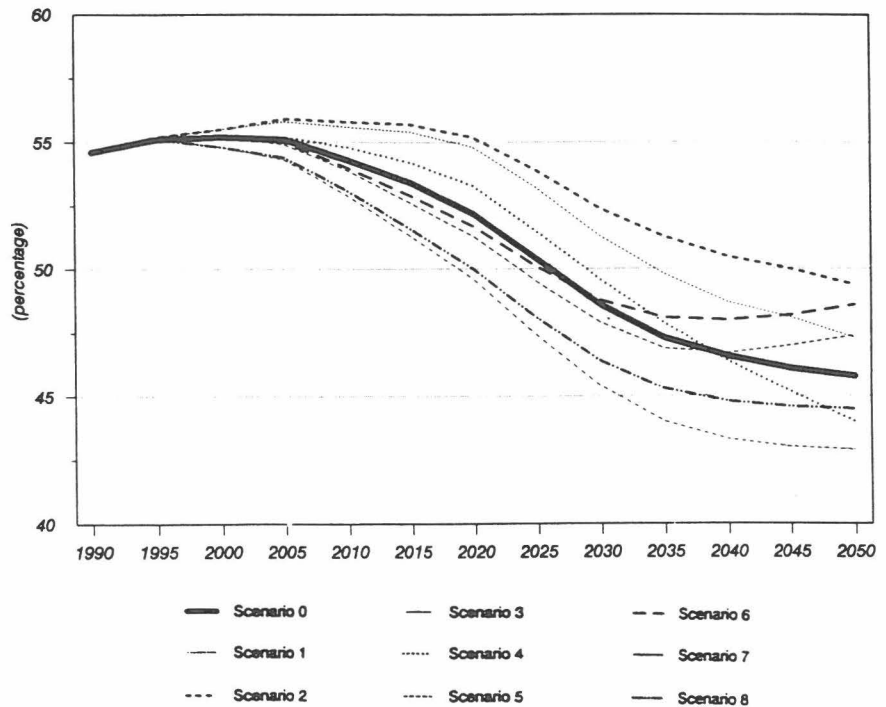
The proportion of the population of working age mainly depends on the assumptions on mortality and thus on the proportion of elderly. The question of whether one million people enter Europe annually or not does not seem to make all that much difference on the proportion of the population of working age, while it makes a big difference to the size of that group. Only high immigration together with replacement fertility would result in a stable, or in fact steadily increasing, population of working age. Neither immigration nor high fertility alone would prevent the working age population from shrinking in size.

Table 5.3.   *Changes in the size of the working age population, by country*

Percentage change, 1990-2050	Assumptions concerning fertility/migration		
	Scenario 0 (medium)	Scenario 3 (low)	Scenario 8 (high)
20% or more	Ireland		Ireland Norway Sweden France Portugal Switzerland
10% to 20%		Ireland	Poland United Kingdom Netherlands
0% to 10%	Norway France Sweden		CSFR Greece Germany Austria Belgium Denmark Finland
-10% to 0%	Poland Portugal CSFR United Kingdom		Spain Italy Bulgaria Hungary
-20% to -10%	Switzerland Netherlands Greece Finland Denmark Austria Belgium Spain	Poland CSFR	
-30% to -20%	Bulgaria Germany Italy Hungary	Norway France Sweden United Kingdom Portugal	
-40% to -30%		Bulgaria Hungary Netherlands Finland Denmark Spain Belgium Greece Switzerland	
-40% or less		Austria Italy Germany	

In the long run the working age population would decline by around 16% with high immigration and low fertility, by around 12% with high fertility and zero migration, and by around 13.5% with intermediate fertility and immigration.

Changes in the size of the working age population will again be quite different for individual countries. Table 5.3 above groups the countries according to the percentage change in the size of the population aged 20-59 years during the period 1990-2050.

Three scenarios were selected: scenario 0, using medium reference assumptions, scenario 3, assuming low fertility and mortality and zero migration resulting in the lowest size of the working age population, and scenario 8, assuming high fertility and immigration and low mortality thus resulting in the largest size of the working age population.

Ireland has an outstanding position among European countries with a significantly increasing working age population under any scenario, including scenario 3. Some countries, in particular the central European countries Austria, Germany, and Switzerland, can be found in quite different places in the sequence of the 20 countries listed in Table 5.3. On the one hand, these countries have had low fertility for a long time already, and on the other hand immigration is relatively high. As a consequence, in those countries high immigration scenarios have a remarkable positive impact on the size of the working age population.

5.4.   Ageing of the population

During the following three decades ageing depends relatively little on the assumptions adopted. Figure 5.7 gives the proportion of elderly people aged 60 years and over in the total population of all countries taken together. From less than 20% in 1990, the proportion of elderly will increase up to 25-30% until 2020. Thereafter, ageing strongly depends on the scenario assumptions considered. With high fertility and low life expectancy (scenarios 5 and 6), the further increase in the proportion of elderly is limited to a few percentage points; the proportion will even decline somewhat after 2035. With low fertility and high life expectancy, extreme ageing is prolonged: almost 47% of the population aged 60 years and over by 2050 with zero migration assumptions. Under these

assumptions, even high immigration of 1 million people per year would only delay the ageing process some 10 years.

Figure 5.7. *Proportion of the population above age 60 for all 20 countries together*
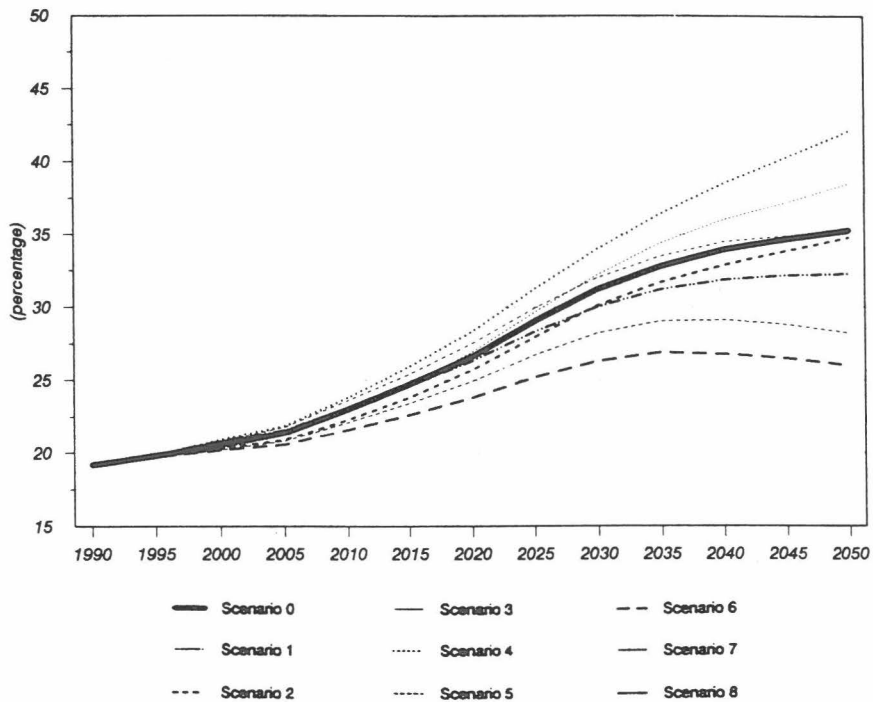
Comparing variables one by one, that is, high *versus* low fertility, high *versus* low mortality, and high versus no immigration — under otherwise identical assumptions — shows the impact of those variables on the ageing process. High immigration lowers the percentage of elderly by 3-5 percentage points, while low fertility and high life expectancy accelerate the increase in the proportion of elderly by 8-11 and 6-8 percentage points, respectively.

Ageing becomes even more dramatic when we look at the oldest old, the population aged 80 years and over. From around 14 million in 1990, this group of the

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population will grow almost threefold, if low life expectancy is assumed, and almost sixfold under high life expectancy assumptions. For these conclusions, fertility and migration assumptions are irrelevant. In scenario 3, this gives 20% of the total population by 2050, compared to 3.2% in 1990. The increase in the number of people aged 80 years and over is considerably larger among men than among women, while the proportion is always larger among women. The proportion of the oldest old in the total population is given in Figure 5.8. Even under favourable demographic assumptions (scenarios 5 and 6, both assuming high fertility and low life expectancy) this proportion will grow significantly in the long run. In the worst case of low fertility and high life expectancy, however, the proportion would increase by a factor of 6, or by a factor of around 8 among men and a factor of around 5 among women.

Figure 5.8.   *Proportion of the population above age 80 for all 20 countries together*
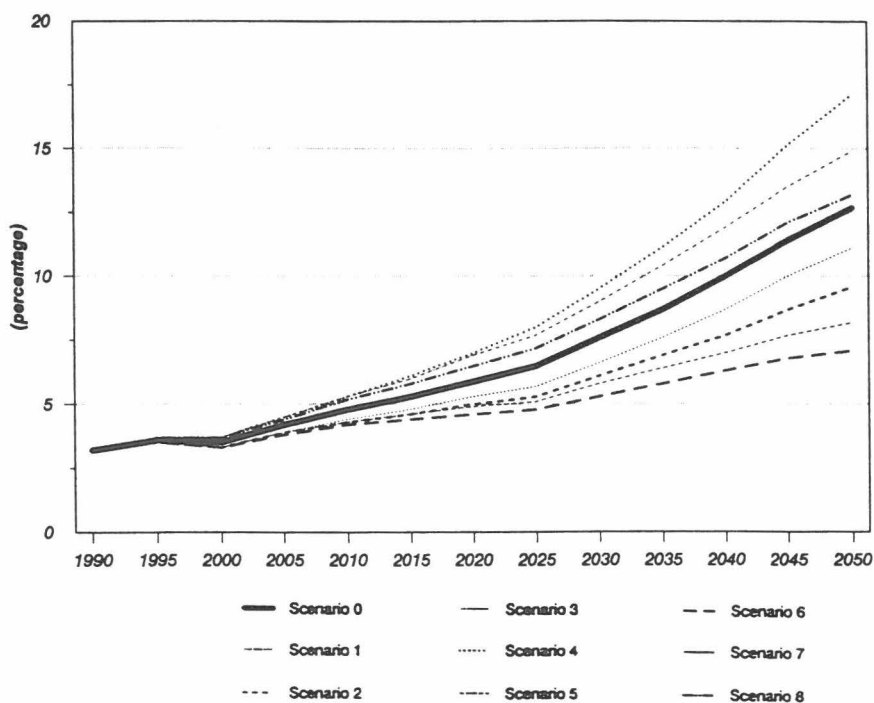
Proportions of the oldest old among the elderly are given in the appendix tables. Both the observed proportion in 1990 and the projected changes in the proportion are comparable to the proportion of elderly among the total population. The main difference is that up until the end of the projection period the proportion of the oldest old among the elderly is independent of assumptions on fertility. With high life expectancy assumptions, the proportion would increase exponentially from 16.6% in 1990 to around 42% by 2050, while it would still increase rapidly to some 28% by 2050 under low life expectancy assumptions. With 36% of the elderly by 2050 the future proportion of the oldest old is in between the two extremes with medium life expectancy assumptions. Independent of the assumptions the increase is clearly strongest during the period 2040-2050.

The mean age of the population is another useful indicator of ageing. More than the proportion of elderly, the mean age is also influenced by assumptions on both fertility and migration. Figure 5.9 presents mean ages of all countries taken together.

Figure 5.9.   Mean age of the population for all 20 countries together (in years)
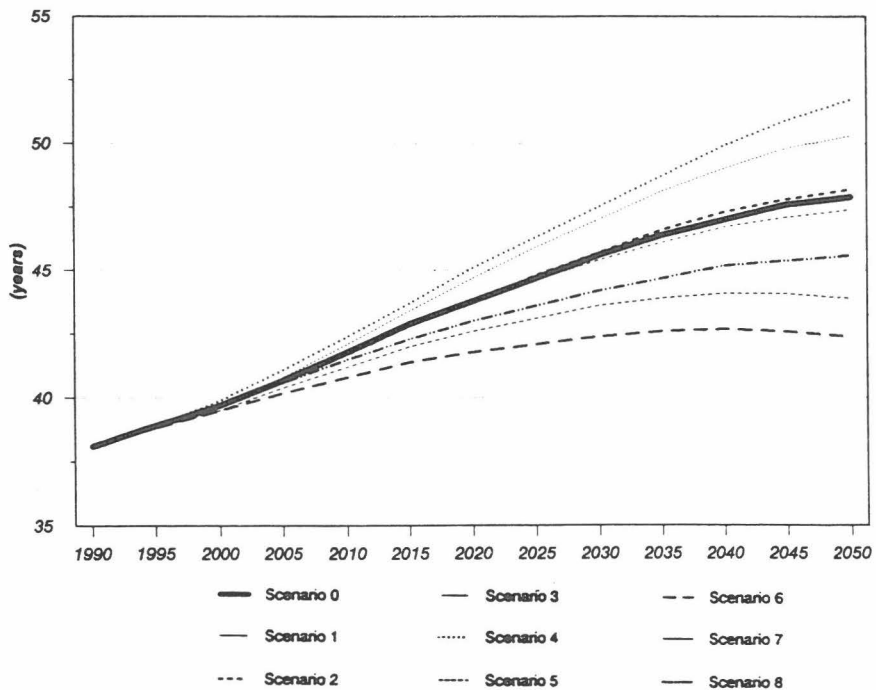
Mean ages increase considerably under all scenarios. Even with average assumptions of the reference scenario 0, mean ages increase by not less than 10 years within our projection period, from 35.7 to 45.6 among men and from 39.0 to 48.7 among women. Without any immigration, high fertility and low life expectancy (scenario 5) lead to a more moderate increase by only 5 years until the year 2030, when the mean ages stabilize. Low fertility and high life expectancy (scenario 3), on the other hand, result in an almost linear increase by 17 years by the year 2050, with no sign of change in the trend to increase further. High immigration generally reduces the increase in the mean age by two to three years in the long run. The population under low fertility and low life expectancy (scenarios 1 and 2) assumptions is some three to four years older than under high fertility and high life expectancy (scenarios 7 and 8), which indicates that our low fertility assumption has a stronger impact on ageing — measured in terms of mean ages — than our high life expectancy assumption.

Mostly depending on the level of ageing already reached by today, future ageing of the population will also be quite different for individual countries. Table 5.4 groups the countries according to the change in the mean age of the population (in years) projected for the period 1990-2020. The two extreme scenarios with respect to ageing, the low fertility, low mortality and zero migration scenario 3, and the high fertility, high mortality and high immigration scenario 6, were depicted for illustration. This table also includes the mean ages of all countries in 2020 in order to be able to compare the speed of ageing with the level of ageing reached by 2020.

Independent of our scenario assumptions, the Netherlands and Spain are the two countries that can expect the most pronounced increase in mean ages (more than 9 years under scenario 3); a consequence of the fact that these two countries have experienced the most rapid fertility decline among all European countries. On the other side of the spectrum we find Sweden, the country with the oldest population in 1990, which will age the least among all the 20 countries (less than 1 year under scenario 6). The highest levels of mean ages are reached in Italy, in Germany and in Switzerland (almost 49 years for females under scenario 3), by far the lowest levels in Ireland (35 years for males under scenario 6).

Table 5.4.   *Mean ages of the population, by country: changes between 1990 and 2020 and respective level in 2020*

Increase in mean ages, 1990-2020	Assumptions fertility/mortality/migration			
	Scenario 3 (low)		Scenario 6 (high)	
9 years or more	Spain Netherlands	47.3 47.2		
7.5 to 9 years	Italy Greece Portugal Switzerland Ireland Finland Poland	48.5 47.6 46.0 48.8 40.7 47.3 42.8		
6 to 7.5 years	France Belgium Denmark Austria Germany CSFR Bulgaria Norway United Kingdom Hungary	46.0 47.5 47.4 47.7 48.9 43.4 44.8 45.7 45.8 45.2		
4.5 to 6 years	Sweden	47.0	Spain Netherlands	42.8 42.4
3 to 4.5 years			Ireland Italy Poland Greece Portugal Finland CSFR	36.8 43.5 39.2 42.6 41.1 42.6 39.7
1.5 to 3 years			France Denmark Bulgaria Belgium Switzerland Hungary Austria Norway United Kingdom	41.3 42.7 40.9 42.6 43.1 41.4 42.5 41.0 41.2
1.5 years or less			Germany Sweden	43.2 42.0

Interesting conclusions are obtained by comparing differences between scenarios in both total population size and population structure (in terms of mean age of the population). As already mentioned, scenarios 0, 4 and 5 result in around 465 million people by the middle of the next century by combining very different fertility, mortality and migration levels. With high fertility, low life expectancy and no migration (scenario 5), the population is some 5 years younger as compared to reference scenario 0. With the opposite assumptions of low fertility, high life expectancy and high immigration (scenario 4), it is some 5 years older. Or, as another example, scenarios 1 and 4, both assuming the low fertility level of 1.3, give almost identical increases in mean ages of the population by some 13-14 years until 2050, the former assuming low life expectancy and no immigration, the latter assuming high life expectancy and high immigration. While these two opposing assumptions compensate each other with respect to the age structure, scenario 4 gives a total population size of 465 million by 2050, which is 40% higher than the projected population size under scenario 1.

In this chapter, we have only presented numerical results of our population projections. The following chapter will attempt to arrive at relevant interpretations and conclusions.

Appendix.   Additional results

The above-given survey of results of nine alternative scenario calculations for the period 1990 to 2050 for 20 large member countries of the Council of Europe has largely focused on aggregate results based on the summation of national results. The following appendix tables give additional results on a country-by-country basis. For selected points in time, some of the most important demographic indicators are listed scenario by scenario. Assumptions for the nine scenarios on fertility, mortality and migration are indicated in the heading of the tables. For details the reader is referred to the definition of scenarios in section 5.1.

Tables on computer diskettes and more detailed results can, on request, be obtained from IIASA, A-2361 Laxenburg, Austria.

All countries

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in millions)

1990	449	449	449	449	449	449	449	449	449
2000	467	464	464	468	468	466	466	470	470
2010	477	458	469	469	480	472	484	484	495
2020	481	441	464	462	485	476	501	497	522
2030	483	417	453	449	486	477	518	509	551
2040	478	383	434	428	479	473	532	519	576
2050	468	342	407	399	465	467	545	526	606

Population aged 20-59 years (in millions)

1990	245	245	245	245	245	245	245	245	245
2000	258	257	257	258	258	257	257	258	258
2010	259	255	261	256	263	255	261	256	263
2020	251	241	256	244	258	244	259	246	261
2030	235	214	238	217	241	228	253	231	256
2040	223	187	219	190	222	221	255	225	259
2050	214	162	201	165	205	221	265	226	269

Population aged 60-64 years (in 1,000s)

1990	23,477	23,477	23,477	23,477	23,477	23,477	23,477	23,477	23,477
2000	24,046	23,917	23,917	24,172	24,172	23,917	23,917	24,172	24,172
2010	27,979	27,574	27,655	28,257	28,338	27,574	27,655	28,257	28,338
2020	30,907	30,093	30,439	31,229	31,586	30,093	30,439	31,229	31,586
2030	33,180	31,849	32,775	33,333	34,288	31,849	32,775	33,333	34,288
2040	29,283	27,296	29,390	28,805	30,992	27,296	29,390	28,805	30,992
2050	27,976	25,231	28,674	26,789	30,393	25,231	28,674	26,789	30,393

Male population aged 80 years and over (in 1,000s)

1990	4,445	4,445	4,445	4,445	4,445	4,445	4,445	4,445	4,445
2000	5,074	4,781	4,781	5,369	4,781	4,781	4,781	5,369	5,369
2010	7,634	6,596	6,596	8,686	8,686	6,596	6,596	8,686	8,686
2020	10,130	7,933	7,936	12,423	12,427	7,933	7,936	12,423	12,427
2030	13,656	9,817	9,844	17,678	17,719	9,817	9,844	17,678	17,719
2040	18,355	12,103	12,217	24,711	24,900	12,103	12,217	24,711	24,900
2050	23,766	14,294	14,615	32,760	33,346	14,294	14,615	32,760	33,346

Female population aged 80 years and over (in 1,000s)

1990	9,936	9,936	9,936	9,936	9,936	9,936	9,936	9,936	9,936
2000	11,277	10,748	10,748	11,818	11,818	10,748	10,748	11,818	11,818
2010	15,325	13,603	13,603	16,962	16,962	13,603	13,603	16,962	16,962
2020	18,512	15,235	15,239	21,666	21,672	15,235	15,239	21,666	21,672
2030	23,172	17,809	17,850	28,174	28,235	17,809	17,850	28,174	28,235
2040	29,448	21,076	21,253	36,865	37,111	21,076	21,253	36,865	37,111
2050	35,421	23,805	24,303	45,628	46,372	23,805	24,303	45,628	46,372

Number of births (in 1,000s)

1990	5,485	5,485	5,485	5,485	5,485	5,485	5,485	5,485	5,485
2000	5,447	4,919	4,919	4,922	4,922	5,971	5,971	5,974	5,974
2010	4,974	3,932	4,126	3,937	4,131	5,769	6,055	5,776	6,063
2020	4,824	3,455	3,778	3,465	3,788	5,796	6,317	5,814	6,335
2030	4,584	2,956	3,412	2,971	3,428	5,770	6,529	5,801	6,561
2040	4,306	2,411	2,985	2,429	3,005	5,731	6,769	5,773	6,814
2050	4,169	2,071	2,730	2,091	2,752	5,813	7,097	5,870	7,159

All countries (continued)

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
2000	37.3	37.3	37.3	37.6	37.6	37.1	37.1	37.4	37.4
2010	39.3	39.7	39.3	40.5	40.1	38.6	38.2	39.4	39.0
2020	41.3	42.2	41.5	43.7	42.9	39.7	39.0	41.2	40.4
2030	43.1	44.6	43.5	46.9	45.7	40.4	39.5	42.7	41.6
2040	44.6	46.7	45.1	50.0	48.3	40.8	39.6	44.0	42.6
2050	45.6	48.2	46.2	52.8	50.5	40.5	39.3	44.7	43.2

Mean age of the female population (in years)

1990	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
2000	40.4	40.4	40.4	40.7	40.7	40.2	40.2	40.5	40.5
2010	42.3	42.6	42.2	43.5	43.0	41.6	41.2	42.4	42.0
2020	44.2	45.2	44.4	46.6	45.8	42.7	41.9	44.1	43.3
2030	46.1	47.7	46.4	49.8	48.5	43.6	42.4	45.7	44.5
2040	47.7	49.9	48.2	53.0	51.1	44.0	42.6	47.0	45.4
2050	48.7	51.6	49.4	55.7	53.3	43.7	42.3	47.7	45.9

Proportion of children aged 0-19 years (in %)

1990	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2000	24.3	24.2	24.2	24.0	24.0	24.6	24.6	24.4	24.4
2010	22.7	21.6	21.9	21.1	21.5	24.0	24.4	23.5	23.9
2020	21.1	18.4	19.2	17.6	18.4	23.8	24.6	22.9	23.7
2030	20.2	16.4	17.5	15.4	16.4	23.9	24.9	22.6	23.6
2040	19.5	15.2	16.5	13.8	15.1	24.1	25.1	22.2	23.3
2050	18.9	14.2	15.8	12.3	13.9	24.4	25.5	22.0	23.2

Proportion of working age population aged 20-59 years (in %)

1990	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2000	55.2	55.5	55.5	55.2	55.2	55.2	55.2	54.8	54.8
2010	54.3	55.6	55.8	54.6	54.8	53.9	54.0	52.9	53.1
2020	52.2	54.8	55.2	52.8	53.3	51.3	51.7	49.6	50.0
2030	48.6	51.3	52.4	48.3	49.6	47.9	48.8	45.4	46.4
2040	46.6	48.7	50.5	44.4	46.4	46.7	48.0	43.3	44.8
2050	45.8	47.3	49.4	41.4	44.0	47.4	48.6	42.9	44.5

Proportion of elderly aged 60 years and over (in %)

1990	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
2000	20.6	20.3	20.3	20.9	20.9	20.2	20.2	20.8	20.8
2010	23.0	22.8	22.3	24.3	23.8	22.1	21.6	23.6	23.1
2020	26.6	26.9	25.7	29.6	28.3	24.9	23.8	27.5	26.3
2030	31.2	32.2	30.1	36.4	34.0	28.2	26.3	32.0	30.0
2040	34.0	36.0	32.9	41.8	38.5	29.1	26.8	34.5	31.9
2050	35.3	38.5	34.8	46.3	42.1	28.2	26.0	35.1	32.3

Proportion of population aged 80 & over in population 60 & over (in %)

1990	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2000	16.9	16.3	16.3	17.4	17.4	16.3	16.3	17.4	17.4
2010	20.8	19.2	19.2	22.3	22.3	19.2	19.2	22.3	22.3
2020	22.2	19.4	19.4	24.8	24.7	19.4	19.4	24.8	24.7
2030	24.3	20.4	20.2	27.9	27.7	20.4	20.2	27.9	27.7
2040	29.3	23.9	23.4	34.3	33.6	23.9	23.4	34.3	33.6
2050	35.7	28.7	27.5	42.2	40.7	28.7	27.4	42.2	40.6

AUSTRIA

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	7,603	7,603	7,603	7,603	7,603	7,603	7,603	7,603	7,603
2000	7,822	7,759	7,759	7,834	7,834	7,803	7,803	7,878	7,878
2010	7,888	7,534	7,780	7,743	7,989	7,770	8,022	7,979	8,232
2020	7,929	7,182	7,703	7,558	8,081	7,742	8,302	8,121	8,683
2030	7,903	6,699	7,516	7,262	8,087	7,658	8,568	8,228	9,146
2040	7,792	6,087	7,213	6,850	7,996	7,520	8,824	8,298	9,624
2050	7,612	5,376	6,808	6,333	7,809	7,357	9,088	8,340	10,117

Population aged 20-59 years (in 1,000s)

1990	4,231	4,231	4,231	4,231	4,231	4,231	4,231	4,231	4,231
2000	4,401	4,395	4,395	4,406	4,406	4,395	4,395	4,406	4,406
2010	4,354	4,261	4,416	4,289	4,444	4,261	4,416	4,289	4,444
2020	4,181	3,968	4,299	4,013	4,345	4,012	4,342	4,057	4,389
2030	3,734	3,319	3,853	3,368	3,906	3,552	4,093	3,603	4,148
2040	3,582	2,900	3,623	2,953	3,683	3,453	4,214	3,512	4,280
2050	3,429	2,470	3,340	2,523	3,404	3,415	4,377	3,482	4,455

Population aged 60-64 years (in 1,000s)

1990	398	398	398	398	398	398	398	398	398
2000	410	408	408	412	412	408	408	412	412
2010	453	446	448	458	460	446	448	458	460
2020	545	529	537	550	559	529	537	550	559
2030	602	575	595	603	625	575	595	603	625
2040	445	408	454	431	479	408	454	431	479
2050	461	406	483	431	511	406	483	431	511

Male population aged 80 years and over (in 1,000s)

1990	79	79	79	79	79	79	79	79	79
2000	77	71	71	81	81	71	71	81	81
2010	119	102	102	136	136	102	102	136	136
2020	160	124	124	197	197	124	124	197	197
2030	223	158	158	291	292	158	158	291	292
2040	297	195	197	403	407	195	197	403	407
2050	413	253	260	570	583	253	260	570	583

Female population aged 80 years and over (in 1,000s)

1990	195	195	195	195	195	195	195	195	195
2000	197	186	186	207	207	186	186	207	207
2010	264	229	229	296	296	229	229	296	296
2020	294	236	236	353	353	236	236	353	353
2030	380	286	286	470	472	286	286	470	472
2040	486	348	352	616	622	348	352	616	622
2050	630	427	437	808	825	427	437	808	825

Number of births (in 1,000s)

1990	88	88	88	88	88	88	88	88	88
2000	82	73	73	73	73	90	90	90	90
2010	78	61	65	61	65	90	97	90	97
2020	76	54	61	54	61	91	102	91	103
2030	71	44	54	44	54	88	105	88	105
2040	69	37	49	37	50	90	113	90	113
2050	67	31	46	31	46	90	118	91	119

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AUSTRIA (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
2000	37.8	37.7	37.7	38.0	38.0	37.5	37.5	37.8	37.8
2010	40.1	40.5	40.0	41.3	40.7	39.4	38.9	40.2	39.6
2020	42.0	43.1	42.1	44.6	43.5	40.5	39.6	42.0	41.0
2030	43.7	45.5	43.9	47.9	46.1	41.3	39.9	43.6	42.1
2040	45.1	47.6	45.3	51.0	48.6	41.5	39.8	44.8	42.9
2050	45.9	49.0	46.2	53.7	50.5	41.0	39.4	45.5	43.3

Mean age of the female population (in years)

1990	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
2000	41.3	41.2	41.2	41.6	41.6	41.0	41.0	41.4	41.4
2010	43.2	43.5	43.0	44.5	43.9	42.5	41.9	43.4	42.8
2020	45.0	46.1	44.9	47.7	46.4	43.6	42.5	45.1	44.0
2030	46.9	48.7	46.9	51.0	49.1	44.5	43.0	46.8	45.1
2040	48.4	51.1	48.6	54.2	51.6	45.0	43.1	48.1	45.9
2050	49.2	52.7	49.5	57.0	53.5	44.5	42.5	48.7	46.2

Proportion of children aged 0-19 years (in %)

1990	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2000	23.0	22.9	22.9	22.7	22.7	23.3	23.3	23.1	23.1
2010	21.2	20.0	20.5	19.5	20.0	22.4	22.9	21.9	22.4
2020	20.1	17.1	18.3	16.4	17.5	22.6	23.6	21.6	22.7
2030	19.6	15.7	17.1	14.6	16.0	23.2	24.5	21.7	23.1
2040	18.9	14.4	16.3	13.0	14.8	23.4	24.9	21.4	23.0
2050	18.7	13.7	15.8	11.7	13.9	24.1	25.5	21.5	23.2

Proportion of working age population aged 20-59 years (in %)

1990	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2000	56.3	56.6	56.6	56.2	56.2	56.3	56.3	55.9	55.9
2010	55.2	56.6	56.8	55.4	55.6	54.8	55.0	53.8	54.0
2020	52.7	55.3	55.8	53.1	53.8	51.8	52.3	50.0	50.5
2030	47.3	49.5	51.3	46.4	48.3	46.4	47.8	43.8	45.3
2040	46.0	47.6	50.2	43.1	46.1	45.9	47.8	42.3	44.5
2050	45.0	45.9	49.1	39.8	43.6	46.4	48.2	41.7	44.0

Proportion of elderly aged 60 years and over (in %)

1990	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
2000	20.7	20.5	20.5	21.1	21.1	20.4	20.4	21.0	21.0
2010	23.6	23.5	22.7	25.1	24.4	22.7	22.1	24.4	23.6
2020	27.2	27.6	25.9	30.5	28.7	25.6	24.1	28.4	26.7
2030	33.2	34.8	31.6	39.1	35.7	30.4	27.7	34.5	31.5
2040	35.1	37.9	33.5	43.9	39.1	30.7	27.4	36.3	32.5
2050	36.3	40.4	35.1	48.4	42.5	29.5	26.3	36.8	32.8

Proportion of population aged 80 & over in population 60 & over (in %)

1990	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
2000	16.9	16.2	16.2	17.5	17.5	16.2	16.2	17.5	17.5
2010	20.6	18.7	18.7	22.2	22.2	18.7	18.7	22.2	22.2
2020	21.1	18.2	18.0	23.9	23.7	18.2	18.0	23.9	23.7
2030	23.0	19.0	18.7	26.8	26.5	19.0	18.7	26.8	26.5
2040	28.6	23.5	22.7	33.9	32.9	23.5	22.7	33.9	32.9
2050	37.7	31.3	29.1	44.9	42.4	31.3	29.1	44.9	42.4

BELGIUM

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	9,924	9,924	9,924	9,924	9,924	9,924	9,924	9,924	9,924
2000	10,186	10,107	10,107	10,207	10,207	10,162	10,162	10,261	10,261
2010	10,258	9,840	10,084	10,118	10,362	10,142	10,394	10,421	10,673
2020	10,282	9,391	9,909	9,883	10,403	10,118	10,675	10,613	11,173
2030	10,224	8,795	9,607	9,522	10,342	10,047	10,952	10,783	11,697
2040	10,050	8,016	9,136	9,000	10,140	9,895	11,195	10,896	12,216
2050	9,789	7,122	8,548	8,345	9,812	9,728	11,453	10,982	12,751

Population aged 20-59 years (in 1,000s)

1990	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452
2000	5,628	5,621	5,621	5,634	5,634	5,621	5,621	5,634	5,634
2010	5,585	5,490	5,643	5,525	5,678	5,490	5,643	5,525	5,678
2020	5,280	5,060	5,387	5,112	5,440	5,114	5,441	5,166	5,494
2030	4,865	4,413	4,943	4,471	5,005	4,712	5,249	4,773	5,314
2040	4,635	3,867	4,585	3,930	4,655	4,586	5,343	4,656	5,420
2050	4,437	3,329	4,194	3,395	4,269	4,565	5,523	4,647	5,615

Population aged 60-64 years (in 1,000s)

1990	559	559	559	559	559	559	559	559	559
2000	514	511	511	517	517	511	511	517	517
2010	649	639	641	656	658	639	641	656	658
2020	725	706	713	733	741	706	713	733	741
2030	691	663	683	694	715	663	683	694	715
2040	609	567	613	597	645	567	613	597	645
2050	597	538	614	569	649	538	614	569	649

Male population aged 80 years and over (in 1,000s)

1990	105	105	105	105	105	105	105	105	105
2000	113	106	106	120	120	106	106	120	120
2010	175	149	149	203	203	149	149	203	203
2020	217	165	165	272	273	165	165	272	273
2030	296	208	209	391	392	208	209	391	392
2040	415	270	272	565	569	270	272	565	569
2050	515	308	315	725	737	308	315	725	737

Female population aged 80 years and over (in 1,000s)

1990	243	243	243	243	243	243	243	243	243
2000	257	243	243	270	270	243	243	270	270
2010	358	316	316	397	397	316	316	397	397
2020	416	338	338	489	490	338	338	489	490
2030	513	396	397	627	628	396	397	627	628
2040	675	495	499	840	846	495	499	840	846
2050	791	539	550	1,016	1,032	539	550	1,016	1,032

Number of births (in 1,000s)

1990	119	119	119	119	119	119	119	119	119
2000	110	99	99	99	99	120	120	120	120
2010	103	81	85	81	86	119	126	119	126
2020	100	72	79	72	79	120	132	121	132
2030	93	59	69	60	70	117	134	118	135
2040	90	49	62	50	62	119	142	120	143
2050	86	42	56	42	57	120	148	121	149

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BELGIUM (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2000	38.2	38.2	38.2	38.5	38.5	38.0	38.0	38.3	38.3
2010	40.2	40.5	40.1	41.4	41.0	39.4	39.0	40.3	39.9
2020	42.0	42.9	42.1	44.5	43.7	40.4	39.6	42.0	41.2
2030	43.7	45.2	44.0	47.7	46.3	41.0	40.0	43.5	42.3
2040	45.0	47.1	45.4	50.7	48.8	41.1	39.8	44.6	43.1
2050	45.9	48.6	46.4	53.3	50.9	40.7	39.5	45.2	43.5

Mean age of the female population (in years)

1990	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2000	41.3	41.2	41.2	41.5	41.5	41.0	41.0	41.3	41.3
2010	43.2	43.5	43.0	44.4	43.9	42.4	42.0	43.3	42.9
2020	45.0	45.9	45.0	47.5	46.5	43.4	42.6	45.0	44.0
2030	46.8	48.5	47.1	50.7	49.2	44.3	43.1	46.5	45.2
2040	48.3	50.7	48.8	53.8	51.7	44.7	43.2	47.7	46.0
2050	49.1	52.2	49.8	56.4	53.7	44.2	42.6	48.2	46.3

Proportion of children aged 0-19 years (in %)

1990	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
2000	23.2	23.1	23.1	22.9	22.9	23.5	23.5	23.3	23.3
2010	21.7	20.6	21.0	20.1	20.5	23.0	23.3	22.4	22.8
2020	20.4	17.7	18.5	16.9	17.7	23.1	23.9	22.1	22.9
2030	19.8	16.0	17.2	14.9	16.0	23.5	24.5	22.0	23.1
2040	19.1	14.8	16.2	13.3	14.7	23.7	24.8	21.7	22.9
2050	18.7	13.9	15.6	12.0	13.7	24.2	25.4	21.7	23.0

Proportion of working age population aged 20-59 years (in %)

1990	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
2000	55.3	55.6	55.6	55.2	55.2	55.3	55.3	54.9	54.9
2010	54.4	55.8	56.0	54.6	54.8	54.1	54.3	53.0	53.2
2020	51.3	53.9	54.4	51.7	52.3	50.5	51.0	48.7	49.2
2030	47.6	50.2	51.4	47.0	48.4	46.9	47.9	44.3	45.4
2040	46.1	48.2	50.2	43.7	45.9	46.3	47.7	42.7	44.4
2050	45.3	46.7	49.1	40.7	43.5	46.9	48.2	42.3	44.0

Proportion of elderly aged 60 years and over (in %)

1990	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
2000	21.5	21.3	21.3	21.9	21.9	21.2	21.2	21.8	21.8
2010	23.8	23.6	23.1	25.3	24.7	22.9	22.4	24.6	24.0
2020	28.2	28.4	27.1	31.4	30.0	26.4	25.2	29.2	27.9
2030	32.7	33.8	31.4	38.1	35.6	29.6	27.5	33.7	31.5
2040	34.8	37.0	33.6	43.0	39.4	30.0	27.4	35.6	32.7
2050	36.0	39.4	35.3	47.3	42.8	28.8	26.4	36.0	32.9

Proportion of population aged 80 & over in population 60 & over (in %)

1990	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
2000	16.9	16.3	16.3	17.5	17.5	16.3	16.3	17.5	17.5
2010	21.8	20.0	20.0	23.4	23.4	20.0	20.0	23.4	23.4
2020	21.8	18.8	18.7	24.5	24.4	18.8	18.7	24.5	24.4
2030	24.2	20.3	20.1	28.0	27.7	20.3	20.1	28.0	27.7
2040	31.1	25.8	25.1	36.3	35.4	25.8	25.1	36.3	35.4
2050	37.1	30.2	28.6	44.0	42.1	30.2	28.6	44.0	42.1

BULGARIA

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Total Population Size (in 1,000s)

1990	9,006	9,006	9,006	9,006	9,006
2000	9,021	8,973	9,022	9,022	9,071
2010	8,952	8,714	8,906	8,994	9,187
2020	8,796	8,257	8,631	8,948	9,327
2030	8,599	7,704	8,289	8,929	9,526
2040	8,342	7,043	7,840	8,902	9,724
2050	8,038	6,323	7,318	8,905	9,947

Population aged 20-59 years (in 1,000s)

1990	4,808	4,808	4,808	4,808	4,808
2000	4,866	4,863	4,871	4,863	4,871
2010	4,774	4,759	4,786	4,759	4,786
2020	4,625	4,575	4,622	4,623	4,671
2030	4,459	4,283	4,350	4,559	4,629
2040	4,104	3,719	3,796	4,401	4,486
2050	3,828	3,188	3,271	4,393	4,497

Population aged 60-64 years (in 1,000s)

1990	555	555	555	555	555
2000	479	477	481	477	481
2010	574	567	581	567	581
2020	531	519	541	519	541
2030	530	513	543	513	543
2040	585	563	601	563	601
2050	524	502	539	502	539

Male population aged 80 years and over (in 1,000s)

1990	74	74	74	74	74
2000	74	71	76	71	76
2010	126	112	141	112	141
2020	148	116	181	116	181
2030	192	139	256	139	256
2040	241	156	341	156	341
2050	291	172	432	172	432

Female population aged 80 years and over (in 1,000s)

1990	111	111	111	111	111
2000	118	114	122	114	122
2010	203	181	225	181	225
2020	246	197	296	197	296
2030	315	233	404	233	404
2040	385	258	517	258	517
2050	442	276	617	276	617

Number of births (in 1,000s)

1990	111	111	111	111	111
2000	111	101	101	121	121
2010	98	80	80	116	116
2020	91	67	67	116	117
2030	83	56	56	115	116
2040	76	45	45	115	117
2050	70	37	38	116	117

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BULGARIA (continued)

	0	1	Scenario 3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Mean age of the male population (in years)

1990	36.4	36.4	36.4	36.4	36.4
2000	37.4	37.4	37.6	37.2	37.4
2010	38.6	38.8	39.5	37.8	38.4
2020	40.1	40.7	42.1	38.2	39.5
2030	41.7	42.8	45.0	38.6	40.6
2040	43.3	45.0	48.0	38.8	41.7
2050	44.8	47.0	51.1	39.0	42.7

Mean age of the female population (in years)

1990	38.2	38.2	38.2	38.2	38.2
2000	39.7	39.8	39.9	39.6	39.7
2010	41.3	41.4	42.1	40.4	41.1
2020	42.8	43.4	44.8	40.9	42.2
2030	44.4	45.5	47.7	41.3	43.4
2040	46.1	47.7	50.7	41.5	44.4
2050	47.6	49.8	53.8	41.6	45.3

Proportion of children aged 0-19 years (in %)

1990	27.6	27.6	27.6	27.6	27.6
2000	25.2	25.1	24.9	25.5	25.3
2010	23.9	22.9	22.5	25.3	24.8
2020	22.3	19.8	19.0	25.4	24.6
2030	20.8	17.2	16.2	25.5	24.1
2040	19.8	15.6	14.2	25.6	23.7
2050	18.8	14.2	12.5	25.5	23.3

Proportion of working age population aged 20-59 years (in %)

1990	53.4	53.4	53.4	53.4	53.4
2000	53.9	54.2	54.0	53.9	53.7
2010	53.3	54.6	53.7	52.9	52.1
2020	52.6	55.4	53.6	51.7	50.1
2030	51.9	55.6	52.5	51.1	48.6
2040	49.2	52.8	48.4	49.4	46.1
2050	47.6	50.4	44.7	49.3	45.2

Proportion of elderly aged 60 years and over (in %)

1990	19.0	19.0	19.0	19.0	19.0
2000	20.9	20.8	21.1	20.6	21.0
2010	22.8	22.5	23.8	21.8	23.1
2020	25.1	24.8	27.4	22.9	25.4
2030	27.3	27.2	31.4	23.5	27.3
2040	31.0	31.6	37.4	25.0	30.1
2050	33.6	35.4	42.8	25.1	31.5

Proportion of population aged 80 & over in population 60 & over (in %)

1990	10.8	10.8	10.8	10.8	10.8
2000	10.2	9.9	10.4	9.9	10.4
2010	16.1	14.9	17.3	14.9	17.3
2020	17.8	15.3	20.2	15.3	20.2
2030	21.6	17.7	25.4	17.7	25.4
2040	24.2	18.6	29.3	18.6	29.3
2050	27.2	20.0	33.5	20.0	33.5

CSFR

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Total Population Size (in 1,000s)

1990	15,706	15,706	15,706	15,706	15,706
2000	16,107	16,018	16,099	16,113	16,194
2010	16,511	16,081	16,386	16,640	16,947
2020	16,621	15,622	16,250	16,982	17,616
2030	16,584	14,862	15,888	17,284	18,327
2040	16,284	13,771	15,214	17,445	18,925
2050	15,837	12,502	14,330	17,609	19,507

Population aged 20-59 years (in 1,000s)

1990	8,207	8,207	8,207	8,207	8,207
2000	9,015	9,006	9,022	9,006	9,022
2010	9,130	9,104	9,156	9,104	9,156
2020	8,880	8,785	8,872	8,879	8,966
2030	8,855	8,503	8,634	9,056	9,191
2040	8,146	7,390	7,536	8,734	8,894
2050	7,665	6,404	6,556	8,790	8,976

Population aged 60-64 years (in 1,000s)

1990	781	781	781	781	781
2000	661	658	664	658	664
2010	972	958	985	958	985
2020	1,001	976	1,023	976	1,023
2030	924	891	948	891	948
2040	1,213	1,162	1,248	1,162	1,248
2050	986	940	1,015	940	1,015

Male population aged 80 years and over (in 1,000s)

1990	109	109	109	109	109
2000	99	95	102	95	102
2010	151	133	170	133	170
2020	177	138	222	138	222
2030	284	201	379	201	379
2040	410	260	582	260	582
2050	481	276	724	276	724

Female population aged 80 years and over (in 1,000s)

1990	244	244	244	244	244
2000	228	220	236	220	236
2010	340	306	379	306	379
2020	387	313	464	313	464
2030	562	423	700	423	700
2040	758	529	983	529	983
2050	849	548	1,155	548	1,155

Number of births (in 1,000s)

1990	208	208	208	208	208
2000	227	207	207	247	247
2010	195	159	159	230	230
2020	180	133	134	229	230
2030	171	116	116	234	235
2040	152	91	92	229	231
2050	144	78	78	233	236

CSFR (continued)

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Mean age of the male population (in years)

1990	33.5	33.5	33.5	33.5	33.5
2000	34.7	34.7	34.9	34.5	34.7
2010	36.2	36.5	37.1	35.4	36.0
2020	38.3	39.0	40.2	36.5	37.7
2030	40.3	41.4	43.4	37.2	39.2
2040	42.0	43.7	46.7	37.7	40.5
2050	43.7	45.8	49.8	38.1	41.7

Mean age of the female population (in years)

1990	36.7	36.7	36.7	36.7	36.7
2000	37.8	37.8	38.0	37.6	37.8
2010	39.4	39.6	40.2	38.5	39.2
2020	41.5	42.2	43.4	39.7	40.9
2030	43.6	44.8	46.7	40.5	42.4
2040	45.5	47.1	49.9	41.0	43.7
2050	47.2	49.5	53.1	41.5	44.8

Proportion of children aged 0-19 years (in %)

1990	31.1	31.1	31.1	31.1	31.1
2000	27.6	27.5	27.3	27.9	27.8
2010	25.9	24.8	24.4	27.4	26.9
2020	23.7	21.2	20.5	26.9	26.1
2030	21.6	18.0	17.0	26.3	25.0
2040	20.6	16.4	15.0	26.3	24.5
2050	19.4	14.8	13.1	26.0	23.7

Proportion of working age population aged 20-59 years (in %)

1990	52.3	52.3	52.3	52.3	52.3
2000	56.0	56.2	56.0	55.9	55.7
2010	55.3	56.6	55.9	54.7	54.0
2020	53.4	56.2	54.6	52.3	50.9
2030	53.4	57.2	54.3	52.4	50.1
2040	50.0	53.7	49.5	50.1	47.0
2050	48.4	51.2	45.7	49.9	46.0

Proportion of elderly aged 60 years and over (in %)

1990	16.6	16.6	16.6	16.6	16.6
2000	16.4	16.3	16.6	16.2	16.5
2010	18.8	18.5	19.7	17.9	19.0
2020	22.8	22.6	24.9	20.8	23.0
2030	25.0	24.8	28.7	21.3	24.9
2040	29.4	29.9	35.5	23.6	28.5
2050	32.2	34.0	41.2	24.1	30.3

Proportion of population aged 80 & over in population 60 & over (in %)

1990	13.5	13.5	13.5	13.5	13.5
2000	12.3	12.0	12.6	12.0	12.6
2010	15.8	14.7	17.0	14.7	17.0
2020	14.9	12.8	16.9	12.8	16.9
2030	20.4	16.9	23.6	16.9	23.6
2040	24.4	19.1	29.0	19.1	29.0
2050	26.0	19.4	31.8	19.4	31.8

DENMARK

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	5,135	5,135	5,135	5,135	5,135	5,135	5,135	5,135	5,135
2000	5,295	5,254	5,254	5,305	5,305	5,284	5,284	5,335	5,335
2010	5,348	5,134	5,254	5,272	5,393	5,294	5,417	5,433	5,556
2020	5,352	4,902	5,157	5,149	5,406	5,275	5,550	5,524	5,800
2030	5,330	4,599	4,999	4,974	5,378	5,248	5,694	5,626	6,077
2040	5,234	4,198	4,750	4,705	5,266	5,167	5,808	5,681	6,331
2050	5,101	3,739	4,442	4,378	5,102	5,078	5,928	5,731	6,603

Population aged 20-59 years (in 1,000s)

1990	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852
2000	3,010	3,006	3,006	3,013	3,013	3,006	3,006	3,013	3,013
2010	2,827	2,780	2,855	2,798	2,873	2,780	2,855	2,798	2,873
2020	2,742	2,632	2,792	2,658	2,819	2,661	2,822	2,688	2,849
2030	2,532	2,304	2,564	2,334	2,596	2,462	2,726	2,493	2,758
2040	2,371	1,985	2,339	2,016	2,372	2,355	2,728	2,388	2,764
2050	2,335	1,771	2,197	1,805	2,236	2,412	2,884	2,454	2,931

Population aged 60-64 years (in 1,000s)

1990	245	245	245	245	245	245	245	245	245
2000	261	260	260	263	263	260	260	263	263
2010	365	359	360	369	370	359	360	369	370
2020	338	328	332	342	346	328	332	342	346
2030	373	357	367	375	385	357	367	375	385
2040	313	291	314	308	331	291	314	308	331
2050	281	252	289	268	307	252	289	268	307

Male population aged 80 years and over (in 1,000s)

1990	64	64	64	64	64	64	64	64	64
2000	80	75	75	84	84	75	75	84	84
2010	96	83	83	110	110	83	83	110	110
2020	119	94	94	147	147	94	94	147	147
2030	188	137	138	240	240	137	138	240	240
2040	231	154	155	310	312	154	155	310	312
2050	289	176	179	401	407	176	179	401	407

Female population aged 80 years and over (in 1,000s)

1990	127	127	127	127	127	127	127	127	127
2000	156	149	149	163	163	149	149	163	163
2010	182	161	161	200	200	161	161	200	200
2020	208	173	173	241	241	173	173	241	241
2030	294	233	234	350	351	233	234	350	351
2040	350	260	262	434	436	260	262	434	436
2050	415	291	296	529	537	291	296	529	537

Number of births (in 1,000s)

1990	62	62	62	62	62	62	62	62	62
2000	61	55	55	55	55	67	67	67	67
2010	51	41	43	41	43	60	63	60	63
2020	53	38	41	38	41	63	69	63	69
2030	50	33	38	33	38	63	71	63	72
2040	46	26	32	26	32	61	72	61	72
2050	45	23	30	23	30	63	77	64	78

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DENMARK (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2000	38.5	38.4	38.4	38.8	38.8	38.2	38.2	38.5	38.5
2010	40.5	40.8	40.4	41.6	41.2	39.7	39.3	40.5	40.1
2020	42.5	43.4	42.6	45.0	44.1	40.9	40.1	42.5	41.7
2030	44.0	45.5	44.3	48.0	46.7	41.3	40.3	43.8	42.6
2040	45.3	47.3	45.6	50.8	49.0	41.4	40.2	44.8	43.4
2050	46.2	48.6	46.6	53.5	51.1	41.0	39.7	45.5	43.9

Mean age of the female population (in years)

1990	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2000	41.1	41.1	41.1	41.4	41.4	40.9	40.9	41.2	41.2
2010	43.0	43.3	42.9	44.1	43.7	42.2	41.8	43.1	42.7
2020	45.1	46.0	45.1	47.4	46.5	43.5	42.7	45.0	44.1
2030	46.7	48.4	47.0	50.6	49.1	44.2	43.1	46.4	45.2
2040	48.1	50.4	48.6	53.5	51.5	44.5	43.1	47.5	45.9
2050	49.0	52.0	49.7	56.1	53.6	44.2	42.6	48.1	46.3

Proportion of children aged 0-19 years (in %)

1990	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
2000	22.7	22.5	22.5	22.3	22.3	23.0	23.0	22.8	22.8
2010	22.3	21.3	21.6	20.7	21.1	23.6	24.0	23.1	23.4
2020	20.3	17.6	18.5	16.9	17.7	22.9	23.7	22.0	22.8
2030	19.7	16.1	17.2	14.9	16.0	23.4	24.4	22.0	23.0
2040	19.4	15.3	16.6	13.7	15.1	24.0	25.1	22.0	23.1
2050	18.7	14.1	15.7	12.2	13.8	24.1	25.3	21.6	22.9

Proportion of working age population aged 20-59 years (in %)

1990	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2000	56.8	57.2	57.2	56.8	56.8	56.9	56.9	56.5	56.5
2010	52.9	54.2	54.3	53.1	53.3	52.5	52.7	51.5	51.7
2020	51.2	53.7	54.1	51.6	52.1	50.5	50.8	48.7	49.1
2030	47.5	50.1	51.3	46.9	48.3	46.9	47.9	44.3	45.4
2040	45.3	47.3	49.2	42.8	45.0	45.6	47.0	42.0	43.7
2050	45.8	47.4	49.5	41.2	43.8	47.5	48.7	42.8	44.4

Proportion of elderly aged 60 years and over (in %)

1990	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
2000	20.5	20.2	20.2	20.9	20.9	20.1	20.1	20.7	20.7
2010	24.8	24.6	24.1	26.2	25.6	23.8	23.3	25.4	24.9
2020	28.5	28.7	27.4	31.5	30.2	26.6	25.5	29.4	28.1
2030	32.8	33.8	31.6	38.1	35.7	29.7	27.7	33.7	31.6
2040	35.3	37.4	34.2	43.4	39.9	30.4	28.0	36.0	33.2
2050	35.5	38.5	34.8	46.6	42.4	28.4	26.1	35.6	32.7

Proportion of population aged 80 & over in population 60 & over (in %)

1990	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2000	21.7	21.1	21.1	22.3	22.3	21.1	21.1	22.3	22.3
2010	21.0	19.3	19.3	22.5	22.4	19.3	19.3	22.5	22.4
2020	21.5	18.9	18.9	23.9	23.8	18.9	18.9	23.9	23.8
2030	27.6	23.8	23.5	31.1	30.8	23.8	23.5	31.1	30.8
2040	31.4	26.3	25.7	36.4	35.6	26.3	25.7	36.4	35.6
2050	38.8	32.4	30.7	45.5	43.7	32.4	30.7	45.5	43.7

FINLAND

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	4,982	4,982	4,982	4,982	4,982	4,982	4,982	4,982	4,982
2000	5,179	5,140	5,140	5,187	5,187	5,168	5,168	5,214	5,214
2010	5,272	5,071	5,174	5,205	5,308	5,229	5,334	5,363	5,468
2020	5,315	4,882	5,100	5,127	5,347	5,264	5,498	5,510	5,746
2030	5,293	4,589	4,931	4,965	5,311	5,243	5,624	5,622	6,007
2040	5,203	4,191	4,663	4,712	5,192	5,171	5,717	5,698	6,253
2050	5,073	3,755	4,356	4,393	5,012	5,113	5,839	5,763	6,508

Population aged 20-59 years (in 1,000s)

1990	2,805	2,805	2,805	2,805	2,805	2,805	2,805	2,805	2,805
2000	2,910	2,906	2,906	2,913	2,913	2,906	2,906	2,913	2,913
2010	2,807	2,766	2,830	2,784	2,848	2,766	2,830	2,784	2,848
2020	2,658	2,561	2,698	2,587	2,725	2,588	2,725	2,614	2,752
2030	2,514	2,306	2,529	2,336	2,560	2,462	2,687	2,493	2,720
2040	2,430	2,065	2,366	2,098	2,403	2,443	2,761	2,479	2,800
2050	2,325	1,791	2,156	1,826	2,194	2,436	2,839	2,478	2,885

Population aged 60-64 years (in 1,000s)

1990	253	253	253	253	253	253	253	253	253
2000	253	252	252	255	255	252	252	255	255
2010	394	388	389	398	399	388	389	398	399
2020	350	341	344	354	357	341	344	354	357
2030	334	320	329	336	345	320	329	336	345
2040	317	297	317	314	334	297	317	314	334
2050	298	271	302	287	321	271	302	287	321

Male population aged 80 years and over (in 1,000s)

1990	39	39	39	39	39	39	39	39	39
2000	52	49	49	54	54	49	49	54	54
2010	78	67	67	88	88	67	67	88	88
2020	103	80	80	127	127	80	80	127	127
2030	169	122	123	216	217	122	123	216	217
2040	219	144	145	296	298	144	145	296	298
2050	255	153	156	358	363	153	156	358	363

Female population aged 80 years and over (in 1,000s)

1990	103	103	103	103	103	103	103	103	103
2000	134	127	127	141	141	127	127	141	141
2010	174	152	152	194	194	152	152	194	194
2020	203	166	166	240	241	166	166	240	241
2030	295	230	231	356	356	230	231	356	356
2040	369	260	262	459	461	260	262	459	461
2050	402	261	265	523	530	261	265	523	530

Number of births (in 1,000s)

1990	63	63	63	63	63	63	63	63	63
2000	57	52	52	52	52	63	63	63	63
2010	55	44	46	44	46	64	67	64	67
2020	53	38	41	38	42	64	69	64	69
2030	50	33	37	33	37	63	70	63	70
2040	48	28	33	28	33	64	73	64	74
2050	46	24	30	24	30	64	76	64	77

FINLAND (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
2000	37.5	37.5	37.5	37.7	37.7	37.3	37.3	37.5	37.5
2010	39.7	40.0	39.7	40.8	40.5	38.9	38.6	39.7	39.4
2020	41.6	42.5	41.8	44.0	43.3	39.9	39.3	41.5	40.8
2030	43.2	44.5	43.5	47.0	46.0	40.4	39.5	42.9	41.9
2040	44.3	46.1	44.8	49.8	48.3	40.3	39.3	43.8	42.6
2050	45.2	47.5	45.9	52.3	50.3	40.0	39.0	44.4	43.1

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
2000	40.9	40.8	40.8	41.2	41.2	40.6	40.6	41.0	41.0
2010	42.9	43.2	42.8	44.1	43.7	42.1	41.8	43.0	42.6
2020	44.9	45.8	45.1	47.3	46.5	43.3	42.6	44.8	44.1
2030	46.8	48.2	47.1	50.5	49.3	44.1	43.2	46.4	45.3
2040	48.1	50.0	48.4	53.4	51.7	44.1	42.9	47.4	46.1
2050	48.7	51.2	49.3	55.7	53.5	43.5	42.3	47.8	46.3

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2000	24.2	24.1	24.1	23.9	23.9	24.5	24.5	24.3	24.3
2010	22.5	21.4	21.7	20.9	21.2	23.8	24.1	23.2	23.5
2020	21.1	18.4	19.1	17.6	18.3	23.8	24.5	22.8	23.5
2030	20.2	16.7	17.6	15.5	16.4	24.1	24.9	22.6	23.4
2040	19.6	15.7	16.8	14.0	15.1	24.3	25.2	22.2	23.2
2050	19.2	14.7	16.1	12.7	14.1	24.8	25.7	22.2	23.2

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2000	56.2	56.5	56.5	56.2	56.2	56.2	56.2	55.9	55.9
2010	53.3	54.5	54.7	53.5	53.7	52.9	53.1	51.9	52.1
2020	50.0	52.5	52.9	50.5	51.0	49.2	49.6	47.4	47.9
2030	47.5	50.3	51.3	47.0	48.2	47.0	47.8	44.3	45.3
2040	46.7	49.3	50.7	44.5	46.3	47.2	48.3	43.5	44.8
2050	45.8	47.7	49.5	41.6	43.8	47.6	48.6	43.0	44.3

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
2000	19.7	19.4	19.4	20.0	20.0	19.3	19.3	19.9	19.9
2010	24.3	24.0	23.6	25.6	25.1	23.3	22.9	24.9	24.4
2020	28.9	29.1	28.0	32.0	30.8	27.0	26.0	29.7	28.6
2030	32.3	33.1	31.1	37.5	35.4	28.9	27.3	33.1	31.3
2040	33.7	35.1	32.5	41.5	38.6	28.4	26.5	34.3	32.0
2050	35.0	37.5	34.4	45.7	42.1	27.6	25.7	34.9	32.5

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
2000	18.2	17.6	17.6	18.8	18.8	17.6	17.6	18.8	18.8
2010	19.6	18.0	18.0	21.2	21.2	18.0	18.0	21.2	21.2
2020	19.9	17.3	17.2	22.4	22.4	17.3	17.2	22.4	22.4
2030	27.1	23.2	23.0	30.7	30.5	23.2	23.0	30.7	30.5
2040	33.5	27.5	26.9	38.7	37.9	27.5	26.9	38.7	37.9
2050	36.9	29.3	28.1	43.8	42.3	29.3	28.1	43.8	42.3

FRANCE

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	56,661	56,661	56,661	56,661	56,661	56,661	56,661	56,661	56,661
2000	60,410	59,987	59,987	60,484	60,484	60,327	60,327	60,824	60,824
2010	62,843	60,268	61,926	61,709	63,368	62,202	63,906	63,647	65,354
2020	64,553	58,970	62,493	61,591	65,128	63,697	67,485	66,337	70,142
2030	65,819	56,584	62,104	60,714	66,284	64,758	70,913	68,944	75,151
2040	66,000	52,650	60,271	58,624	66,382	64,914	73,740	71,007	79,974
2050	65,262	47,614	57,321	55,200	65,203	64,624	76,344	72,435	84,468

Population aged 20-59 years (in 1,000s)

1990	30,240	30,240	30,240	30,240	30,240	30,240	30,240	30,240	30,240
2000	32,694	32,653	32,653	32,732	32,732	32,653	32,653	32,732	32,732
2010	33,619	32,990	34,020	33,198	34,230	32,990	34,020	33,198	34,230
2020	33,362	31,907	34,112	32,232	34,445	32,243	34,448	32,569	34,782
2030	32,212	29,198	32,782	29,611	33,219	31,110	34,742	31,537	35,193
2040	31,158	26,017	30,881	26,486	31,400	30,687	35,815	31,203	36,382
2050	30,137	22,718	28,576	23,217	29,149	30,775	37,259	31,393	37,958

Population aged 60-64 years (in 1,000s)

1990	2,897	2,897	2,897	2,897	2,897	2,897	2,897	2,897	2,897
2000	2,697	2,683	2,683	2,710	2,710	2,683	2,683	2,710	2,710
2010	3,861	3,804	3,817	3,898	3,910	3,804	3,817	3,898	3,910
2020	3,924	3,820	3,873	3,958	4,012	3,820	3,873	3,958	4,012
2030	4,161	3,981	4,119	4,167	4,310	3,981	4,119	4,167	4,310
2040	3,762	3,485	3,797	3,676	4,003	3,485	3,797	3,676	4,003
2050	3,966	3,562	4,074	3,780	4,320	3,562	4,074	3,780	4,320

Male population aged 80 years and over (in 1,000s)

1990	618	618	618	618	618	618	618	618	618
2000	641	605	605	679	679	605	605	679	679
2010	1,058	922	922	1,198	1,198	922	922	1,198	1,198
2020	1,313	1,039	1,039	1,605	1,605	1,039	1,039	1,605	1,605
2030	1,874	1,383	1,388	2,387	2,394	1,383	1,388	2,387	2,394
2040	2,527	1,715	1,734	3,360	3,390	1,715	1,734	3,360	3,390
2050	3,173	1,942	1,994	4,292	4,383	1,942	1,994	4,292	4,383

Female population aged 80 years and over (in 1,000s)

1990	1,425	1,425	1,425	1,425	1,425	1,425	1,425	1,425	1,425
2000	1,450	1,379	1,379	1,516	1,516	1,379	1,379	1,516	1,516
2010	2,140	1,907	1,907	2,344	2,344	1,907	1,907	2,344	2,344
2020	2,515	2,085	2,085	2,909	2,910	2,085	2,085	2,909	2,910
2030	3,283	2,521	2,528	3,899	3,907	2,521	2,528	3,899	3,907
2040	4,236	2,985	3,014	5,248	5,287	2,985	3,014	5,248	5,287
2050	4,819	3,163	3,242	6,215	6,332	3,163	3,242	6,215	6,332

Number of births (in 1,000s)

1990	771	771	771	771	771	771	771	771	771
2000	747	679	679	680	680	815	815	815	815
2010	689	545	575	546	576	794	838	795	839
2020	679	488	536	489	538	809	887	811	890
2030	644	418	487	421	490	798	913	803	918
2040	610	344	431	346	434	797	954	804	961
2050	591	295	394	298	398	808	1,000	816	1,010

FRANCE (continued)

				Scenario					
	0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2000	36.6	36.5	36.5	36.8	36.8	36.3	36.3	36.6	36.6
2010	38.6	38.9	38.5	39.7	39.3	37.8	37.4	38.6	38.2
2020	40.5	41.5	40.7	42.9	42.0	39.0	38.2	40.4	39.6
2030	42.3	44.0	42.7	46.1	44.8	39.9	38.8	42.0	40.9
2040	43.9	46.1	44.5	49.3	47.5	40.4	39.2	43.4	42.0
2050	45.2	47.9	45.8	52.1	49.8	40.4	39.2	44.3	42.7

Mean age of the female population (in years)

1990	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2000	39.6	39.6	39.6	39.8	39.8	39.4	39.4	39.6	39.6
2010	41.7	42.0	41.5	42.8	42.3	40.9	40.5	41.7	41.3
2020	43.7	44.7	43.8	46.0	45.1	42.2	41.3	43.5	42.6
2030	45.7	47.3	46.0	49.4	47.9	43.2	42.1	45.3	44.0
2040	47.4	49.5	47.7	52.7	50.6	43.7	42.3	46.8	45.1
2050	48.3	51.1	48.8	55.3	52.7	43.5	42.0	47.4	45.6

Proportion of children aged 0-19 years (in %)

1990	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
2000	26.1	26.0	26.0	25.8	25.8	26.4	26.4	26.2	26.2
2010	24.1	23.0	23.4	22.5	22.9	25.4	25.8	24.9	25.2
2020	22.1	19.2	20.1	18.5	19.4	24.7	25.5	23.8	24.7
2030	20.9	17.1	18.2	16.0	17.1	24.6	25.6	23.2	24.3
2040	19.9	15.7	17.1	14.3	15.6	24.5	25.5	22.6	23.8
2050	19.2	14.5	16.2	12.7	14.4	24.6	25.7	22.2	23.5

Proportion of working age population aged 20-59 years (in %)

1990	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2000	54.1	54.4	54.4	54.1	54.1	54.1	54.1	53.8	53.8
2010	53.5	54.7	54.9	53.8	54.0	53.0	53.2	52.2	52.4
2020	51.7	54.1	54.6	52.3	52.9	50.6	51.0	49.1	49.6
2030	48.9	51.6	52.8	48.8	50.1	48.0	49.0	45.7	46.8
2040	47.2	49.4	51.2	45.2	47.3	47.3	48.6	43.9	45.5
2050	46.2	47.7	49.9	42.1	44.7	47.6	48.8	43.3	44.9

Proportion of elderly aged 60 years and over (in %)

1990	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
2000	19.8	19.6	19.6	20.1	20.1	19.5	19.5	20.0	20.0
2010	22.4	22.2	21.7	23.7	23.1	21.6	21.0	22.9	22.4
2020	26.2	26.6	25.3	29.2	27.7	24.7	23.4	27.1	25.8
2030	30.2	31.3	29.0	35.2	32.7	27.4	25.4	31.0	28.9
2040	32.9	34.8	31.7	40.6	37.1	28.3	25.9	33.5	30.8
2050	34.6	37.8	34.0	45.3	40.9	27.8	25.5	34.5	31.6

Proportion of population aged 80 & over in population 60 & over (in %)

1990	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2000	17.5	16.9	16.9	18.1	18.1	16.9	16.9	18.1	18.1
2010	22.8	21.1	21.1	24.3	24.2	21.1	21.1	24.3	24.2
2020	22.6	19.9	19.8	25.1	25.0	19.9	19.8	25.1	25.0
2030	25.9	22.0	21.7	29.4	29.0	22.0	21.7	29.4	29.0
2040	31.2	25.6	24.9	36.2	35.3	25.6	24.9	36.2	35.3
2050	35.4	28.4	26.9	42.1	40.2	28.4	26.9	42.1	40.2

GERMANY

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	77,994	77,994	77,994	77,994	77,994	77,994	77,994	77,994	77,994
2000	80,894	80,252	80,252	81,052	81,052	80,701	80,701	81,501	81,501
2010	81,391	77,398	80,650	79,657	82,912	79,711	83,057	81,978	85,326
2020	81,508	73,055	79,999	77,097	84,071	78,484	85,959	82,551	90,055
2030	81,279	67,786	78,698	73,724	84,730	77,074	89,248	83,068	95,340
2040	80,365	61,301	76,381	69,239	84,569	75,074	92,534	83,127	100,848
2050	78,813	53,767	72,991	63,661	83,439	72,794	96,007	82,900	106,689

Population aged 20-59 years (in 1,000s)

1990	45,192	45,192	45,192	45,192	45,192	45,192	45,192	45,192	45,192
2000	44,420	44,368	44,368	44,467	44,467	44,368	44,368	44,467	44,467
2010	43,666	42,507	44,550	42,756	44,801	42,507	44,550	42,756	44,801
2020	41,799	39,168	43,548	39,550	43,945	39,612	43,992	39,996	44,391
2030	37,166	32,214	39,306	32,596	39,728	34,507	41,693	34,902	42,128
2040	36,459	28,538	38,171	28,959	38,673	33,917	44,078	34,383	44,628
2050	35,923	24,936	36,557	25,392	37,129	34,119	46,993	34,688	47,681

Population aged 60-64 years (in 1,000s)

1990	4,272	4,272	4,272	4,272	4,272	4,272	4,272	4,272	4,272
2000	5,478	5,446	5,446	5,507	5,507	5,446	5,446	5,507	5,507
2010	4,398	4,326	4,351	4,436	4,461	4,326	4,351	4,436	4,461
2020	5,685	5,517	5,621	5,721	5,828	5,517	5,621	5,721	5,828
2030	6,189	5,898	6,171	6,159	6,443	5,898	6,171	6,159	6,443
2040	4,397	3,959	4,581	4,155	4,806	3,959	4,581	4,155	4,806
2050	4,493	3,831	4,853	4,043	5,115	3,831	4,853	4,043	5,115

Male population aged 80 years and over (in 1,000s)

1990	847	847	847	847	847	847	847	847	847
2000	812	755	755	864	864	755	755	864	864
2010	1,305	1,118	1,118	1,494	1,494	1,118	1,118	1,494	1,494
2020	2,133	1,665	1,666	2,609	2,610	1,665	1,666	2,609	2,610
2030	2,555	1,795	1,803	3,358	3,369	1,795	1,803	3,358	3,369
2040	3,461	2,281	2,314	4,681	4,737	2,281	2,314	4,681	4,737
2050	4,617	2,766	2,859	6,298	6,470	2,766	2,859	6,298	6,470

Female population aged 80 years and over (in 1,000s)

1990	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172
2000	2,310	2,188	2,188	2,425	2,425	2,188	2,188	2,425	2,425
2010	2,995	2,625	2,625	3,346	3,346	2,625	2,625	3,346	3,346
2020	3,827	3,150	3,151	4,486	4,488	3,150	3,151	4,486	4,488
2030	4,299	3,262	3,274	5,303	5,318	3,262	3,274	5,303	5,318
2040	5,396	3,863	3,915	6,765	6,837	3,863	3,915	6,765	6,837
2050	6,691	4,490	4,636	8,551	8,771	4,490	4,636	8,551	8,771

Number of births (in 1,000s)

1990	881	881	881	881	881	881	881	881	881
2000	821	736	736	736	736	906	906	906	906
2010	753	578	635	579	636	857	941	858	942
2020	789	546	643	548	645	906	1,063	909	1,066
2030	741	452	588	454	591	873	1,098	877	1,102
2040	710	367	539	369	542	862	1,172	867	1,178
2050	719	327	525	330	529	898	1,282	905	1,291

GERMANY (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2000	38.9	38.9	38.9	39.2	39.2	38.7	38.7	39.0	39.0
2010	41.3	41.8	41.1	42.6	41.9	40.7	40.0	41.5	40.8
2020	43.1	44.3	42.8	45.9	44.4	41.7	40.3	43.4	41.9
2030	44.3	46.3	44.1	48.8	46.5	42.1	40.2	44.6	42.6
2040	45.4	48.0	45.1	51.7	48.5	42.1	39.9	45.7	43.1
2050	45.8	49.0	45.5	54.0	49.9	41.3	39.1	46.0	43.2

Mean age of the female population (in years)

1990	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2000	42.6	42.5	42.5	42.8	42.8	42.3	42.3	42.6	42.6
2010	44.4	44.8	44.1	45.8	45.0	43.8	43.0	44.7	44.0
2020	46.0	47.2	45.6	48.9	47.2	44.8	43.2	46.4	44.8
2030	47.2	49.4	46.9	51.7	49.2	45.2	43.1	47.6	45.3
2040	48.4	51.4	48.1	54.7	51.2	45.5	42.9	48.7	45.8
2050	48.9	52.5	48.6	57.1	52.6	44.6	42.0	49.1	45.8

Proportion of children aged 0-19 years (in %)

1990	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
2000	21.8	21.6	21.6	21.4	21.4	22.1	22.1	21.9	21.9
2010	20.7	19.5	20.2	19.0	19.7	21.8	22.5	21.3	21.9
2020	19.4	16.4	18.0	15.6	17.2	21.7	23.1	20.7	22.2
2030	19.6	15.6	17.5	14.4	16.4	22.8	24.6	21.3	23.2
2040	19.2	14.7	17.0	13.1	15.5	23.2	25.1	21.1	23.2
2050	19.0	13.9	16.6	11.8	14.7	23.8	25.8	21.1	23.4

Proportion of working age population aged 20-59 years (in %)

1990	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2000	54.9	55.3	55.3	54.9	54.9	55.0	55.0	54.6	54.6
2010	53.6	54.9	55.2	53.7	54.0	53.3	53.6	52.2	52.5
2020	51.3	53.6	54.4	51.3	52.3	50.5	51.2	48.5	49.3
2030	45.7	47.5	49.9	44.2	46.9	44.8	46.7	42.0	44.2
2040	45.4	46.6	50.0	41.8	45.7	45.2	47.6	41.4	44.3
2050	45.6	46.4	50.1	39.9	44.5	46.9	48.9	41.8	44.7

Proportion of elderly aged 60 years and over (in %)

1990	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2000	23.3	23.1	23.1	23.7	23.7	22.9	22.9	23.6	23.6
2010	25.6	25.6	24.6	27.3	26.3	24.8	23.9	26.5	25.6
2020	29.3	29.9	27.6	33.1	30.6	27.9	25.7	30.9	28.5
2030	34.7	36.9	32.5	41.4	36.7	32.4	28.7	36.7	32.7
2040	35.4	38.7	33.0	45.0	38.8	31.6	27.2	37.5	32.5
2050	35.5	39.7	33.3	48.3	40.8	29.4	25.3	37.1	31.9

Proportion of population aged 80 & over in population 60 & over (in %)

1990	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
2000	16.5	15.9	15.9	17.1	17.1	15.9	15.9	17.1	17.1
2010	20.6	18.9	18.9	22.2	22.2	18.9	18.9	22.2	22.2
2020	25.0	22.0	21.8	27.8	27.6	22.0	21.8	27.8	27.6
2030	24.3	20.2	19.8	28.4	27.9	20.2	19.8	28.4	27.9
2040	31.1	25.9	24.7	36.7	35.3	25.9	24.7	36.7	35.3
2050	40.5	34.0	30.9	48.3	44.7	34.0	30.9	48.3	44.7

GREECE

				Scenario				
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	10,187	10,187	10,187	10,187	10,187	10,187	10,187	10,187	10,187
2000	10,558	10,482	10,482	10,572	10,572	10,541	10,541	10,631	10,631
2010	10,778	10,328	10,616	10,586	10,874	10,662	10,959	10,922	11,218
2020	10,857	9,900	10,512	10,376	10,990	10,680	11,336	11,160	11,818
2030	10,833	9,276	10,237	10,010	10,979	10,605	11,674	11,349	12,427
2040	10,746	8,483	9,809	9,523	10,871	10,481	12,015	11,542	13,099
2050	10,469	7,513	9,198	8,843	10,578	10,263	12,296	11,631	13,719

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	5,431	5,431	5,431	5,431	5,431	5,431	5,431	5,431	5,431
2000	5,642	5,637	5,637	5,646	5,646	5,637	5,637	5,646	5,646
2010	5,828	5,723	5,905	5,748	5,929	5,723	5,905	5,748	5,929
2020	5,632	5,386	5,775	5,426	5,817	5,443	5,833	5,484	5,875
2030	5,278	4,762	5,393	4,815	5,449	5,094	5,732	5,149	5,791
2040	4,898	4,035	4,886	4,096	4,954	4,806	5,701	4,875	5,778
2050	4,558	3,332	4,355	3,394	4,428	4,645	5,775	4,726	5,868

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	582	582	582	582	582	582	582	582	582
2000	629	626	626	631	631	626	626	631	631
2010	624	617	619	628	631	617	619	628	631
2020	657	642	652	660	670	642	652	660	670
2030	773	744	768	771	797	744	768	771	797
2040	731	683	739	714	772	683	739	714	772
2050	664	597	689	628	724	597	689	628	724

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	120	120	120	120	120	120	120	120	120
2000	175	166	166	183	183	166	166	183	183
2010	241	211	211	269	269	211	211	269	269
2020	333	270	270	397	397	270	270	397	397
2030	391	280	281	494	495	280	281	494	495
2040	485	307	310	639	645	307	310	639	645
2050	607	359	368	834	851	359	368	834	851

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	178	178	178	178	178	178	178	178	178
2000	260	247	247	271	271	247	247	271	271
2010	351	311	311	388	388	311	311	388	388
2020	490	405	405	572	572	405	405	572	572
2030	558	426	427	685	687	426	427	685	687
2040	673	472	477	844	850	472	477	844	850
2050	796	525	538	1,022	1,042	525	538	1,022	1,042

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	103	103	103	103	103	103	103	103	103
2000	113	101	101	102	102	125	125	125	125
2010	112	87	92	88	92	130	137	130	137
2020	100	70	78	70	79	120	133	121	134
2030	97	60	72	61	72	122	142	123	143
2040	93	50	64	50	65	124	150	124	151
2050	88	42	58	42	59	122	155	123	157

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GREECE (continued)

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2000	38.7	38.6	38.6	38.9	38.9	38.4	38.4	38.7	38.7
2010	40.7	41.1	40.7	41.9	41.4	40.0	39.5	40.8	40.3
2020	42.7	43.7	42.8	45.2	44.2	41.1	40.3	42.6	41.7
2030	44.6	46.2	44.8	48.5	47.0	42.0	40.7	44.2	42.9
2040	46.2	48.4	46.4	51.9	49.7	42.2	40.8	45.6	43.9
2050	47.2	50.0	47.5	54.8	52.0	41.9	40.4	46.5	44.5

Mean age of the female population (in years)

1990	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
2000	41.1	41.1	41.1	41.4	41.4	40.9	40.9	41.2	41.2
2010	43.2	43.6	43.1	44.4	43.9	42.5	42.0	43.3	42.8
2020	45.1	46.1	45.1	47.6	46.6	43.5	42.6	45.1	44.1
2030	46.8	48.6	47.0	50.8	49.1	44.3	43.0	46.6	45.1
2040	48.4	50.9	48.7	54.0	51.7	44.7	43.0	47.7	45.9
2050	49.4	52.7	50.0	56.8	53.8	44.5	42.8	48.5	46.4

Proportion of children aged 0-19 years (in %)

1990	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
2000	23.3	23.2	23.2	23.0	23.0	23.6	23.6	23.4	23.4
2010	20.7	19.4	19.9	19.0	19.4	21.9	22.4	21.5	21.9
2020	20.3	17.4	18.3	16.7	17.6	22.9	23.7	22.0	22.9
2030	19.1	15.3	16.6	14.3	15.5	22.8	23.9	21.4	22.6
2040	18.4	14.0	15.6	12.6	14.2	23.0	24.3	21.2	22.5
2050	18.2	13.3	15.2	11.4	13.3	23.7	25.0	21.2	22.7

Proportion of working age population aged 20-59 years (in %)

1990	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2000	53.4	53.8	53.8	53.4	53.4	53.5	53.5	53.1	53.1
2010	54.1	55.4	55.6	54.3	54.5	53.7	53.9	52.6	52.9
2020	51.9	54.4	54.9	52.3	52.9	51.0	51.5	49.1	49.7
2030	48.7	51.3	52.7	48.1	49.6	48.0	49.1	45.4	46.6
2040	45.6	47.6	49.8	43.0	45.6	45.9	47.5	42.2	44.1
2050	43.5	44.4	47.3	38.4	41.9	45.3	47.0	40.6	42.8

Proportion of elderly aged 60 years and over (in %)

1990	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
2000	23.3	23.1	23.1	23.6	23.6	22.9	22.9	23.5	23.5
2010	25.2	25.2	24.5	26.7	26.0	24.4	23.8	25.9	25.2
2020	27.9	28.2	26.7	31.0	29.5	26.2	24.8	28.9	27.4
2030	32.2	33.4	30.8	37.6	34.8	29.2	27.0	33.2	30.8
2040	36.0	38.4	34.6	44.4	40.2	31.1	28.2	36.6	33.4
2050	38.3	42.4	37.5	50.2	44.8	31.0	28.0	38.2	34.6

Proportion of population aged 80 & over in population 60 & over (in %)

1990	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2000	17.7	17.1	17.1	18.2	18.2	17.1	17.1	18.2	18.2
2010	21.7	20.1	20.1	23.2	23.2	20.1	20.1	23.2	23.2
2020	27.2	24.2	24.0	30.1	29.9	24.2	24.0	30.1	29.9
2030	27.3	22.8	22.5	31.3	30.9	22.8	22.5	31.3	30.9
2040	29.9	23.9	23.2	35.1	34.2	23.9	23.2	35.1	34.2
2050	35.0	27.8	26.3	41.8	39.9	27.8	26.3	41.8	39.9

HUNGARY

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Total Population Size (in 1,000s)

	0	1	3	5	7
1990	10,555	10,555	10,555	10,555	10,555
2000	10,392	10,332	10,395	10,391	10,453
2010	10,241	9,965	10,183	10,296	10,515
2020	9,986	9,368	9,805	10,158	10,599
2030	9,703	8,672	9,356	10,059	10,756
2040	9,344	7,861	8,793	9,950	10,909
2050	8,953	7,014	8,160	9,901	11,099

Population aged 20-59 years (in 1,000s)

	0	1	3	5	7
1990	5,649	5,649	5,649	5,649	5,649
2000	5,847	5,840	5,853	5,840	5,853
2010	5,615	5,593	5,635	5,593	5,635
2020	5,232	5,166	5,235	5,224	5,293
2030	5,079	4,860	4,959	5,186	5,289
2040	4,552	4,103	4,209	4,880	4,996
2050	4,297	3,563	3,675	4,921	5,060

Population aged 60-64 years (in 1,000s)

	0	1	3	5	7
1990	588	588	588	588	588
2000	523	520	525	520	525
2010	609	599	618	599	618
2020	628	610	643	610	643
2030	581	558	600	558	600
2040	706	671	732	671	732
2050	540	510	560	510	560

Male population aged 80 years and over (in 1,000s)

	0	1	3	5	7
1990	88	88	88	88	88
2000	80	77	83	77	83
2010	116	103	129	103	129
2020	134	106	164	106	164
2030	185	133	244	133	244
2040	256	166	361	166	361
2050	285	167	429	167	429

Female population aged 80 years and over (in 1,000s)

	0	1	3	5	7
1990	187	187	187	187	187
2000	182	178	190	178	190
2010	259	235	285	235	285
2020	299	247	354	247	354
2030	378	286	473	286	473
2040	488	342	637	342	637
2050	514	332	708	332	708

Number of births (in 1,000s)

	0	1	3	5	7
1990	122	122	122	122	122
2000	130	118	118	142	142
2010	110	89	90	131	131
2020	103	76	76	131	131
2030	96	65	66	132	133
2040	87	52	52	130	131
2050	81	44	45	132	133

HUNGARY (continued)

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Mean age of the male population (in years)

1990	35.5	35.5	35.5	35.5	35.5
2000	36.5	36.5	36.7	36.3	36.5
2010	37.8	38.1	38.7	37.0	37.6
2020	39.5	40.2	41.5	37.6	38.9
2030	41.0	42.1	44.3	37.9	40.0
2040	42.4	44.0	47.2	38.0	41.0
2050	43.8	45.8	50.0	38.0	41.8

Mean age of the female population (in years)

1990	39.1	39.1	39.1	39.1	39.1
2000	40.2	40.2	40.4	40.0	40.2
2010	41.6	41.8	42.5	40.7	41.4
2020	43.3	43.9	45.2	41.4	42.7
2030	44.8	45.9	48.0	41.6	43.7
2040	46.2	47.8	50.9	41.7	44.6
2050	47.6	49.7	53.7	41.7	45.4

Proportion of children aged 0-19 years (in %)

1990	27.6	27.6	27.6	27.6	27.6
2000	24.3	24.1	24.0	24.6	24.4
2010	23.7	22.7	22.3	25.2	24.7
2020	22.3	19.8	19.0	25.5	24.5
2030	20.9	17.4	16.3	25.6	24.1
2040	20.3	16.2	14.7	26.0	24.0
2050	19.4	14.9	13.0	26.0	23.6

Proportion of working age population aged 20-59 years (in %)

1990	53.5	53.5	53.5	53.5	53.5
2000	56.3	56.5	56.3	56.2	56.0
2010	54.8	56.1	55.3	54.3	53.6
2020	52.4	55.1	53.4	51.4	49.9
2030	52.3	56.0	53.0	51.6	49.2
2040	48.7	52.2	47.9	49.0	45.8
2050	48.0	50.8	45.0	49.7	45.6

Proportion of elderly aged 60 years and over (in %)

1990	18.9	18.9	18.9	18.9	18.9
2000	19.4	19.3	19.7	19.2	19.6
2010	21.4	21.2	22.4	20.5	21.7
2020	25.3	25.1	27.6	23.1	25.5
2030	26.7	26.5	30.7	22.9	26.7
2040	31.0	31.6	37.4	24.9	30.2
2050	32.6	34.3	41.9	24.3	30.8

Proportion of population aged 80 & over in population 60 & over (in %)

1990	13.8	13.8	13.8	13.8	13.8
2000	13.0	12.7	13.3	12.7	13.3
2010	17.1	16.0	18.1	16.0	18.1
2020	17.1	15.0	19.1	15.0	19.1
2030	21.7	18.2	24.9	18.2	24.9
2040	25.7	20.5	30.3	20.5	30.3
2050	27.3	20.8	33.2	20.8	33.2

IRELAND

				Scenario				
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	3,731	3,731	3,731	3,731	3,731	3,731	3,731	3,731	3,731
2000	4,122	4,092	4,092	4,124	4,124	4,118	4,118	4,150	4,150
2010	4,500	4,335	4,413	4,421	4,499	4,496	4,576	4,583	4,662
2020	4,798	4,430	4,594	4,587	4,753	4,829	5,005	4,988	5,165
2030	5,022	4,409	4,666	4,666	4,926	5,092	5,378	5,354	5,643
2040	5,172	4,282	4,637	4,651	5,013	5,314	5,724	5,692	6,109
2050	5,221	4,016	4,469	4,522	4,989	5,451	5,996	5,972	6,531

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830
2000	2,248	2,245	2,245	2,249	2,249	2,245	2,245	2,249	2,249
2010	2,542	2,511	2,559	2,524	2,572	2,511	2,559	2,524	2,572
2020	2,688	2,611	2,713	2,633	2,736	2,636	2,739	2,658	2,762
2030	2,727	2,544	2,711	2,575	2,743	2,704	2,873	2,735	2,906
2040	2,616	2,280	2,508	2,313	2,543	2,676	2,915	2,712	2,954
2050	2,493	1,991	2,266	2,025	2,303	2,668	2,972	2,710	3,016

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	136	136	136	136	136	136	136	136	136
2000	143	142	142	144	144	142	142	144	144
2010	196	193	193	199	199	193	193	199	199
2020	242	235	237	245	247	235	237	245	247
2030	313	301	307	317	323	301	307	317	323
2040	338	320	334	338	353	320	334	338	353
2050	320	297	320	314	339	297	320	314	339

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	24	24	24	24	24	24	24	24	24
2000	32	30	30	34	34	30	30	34	34
2010	38	31	31	45	45	31	31	45	45
2020	50	37	37	65	65	37	37	65	65
2030	80	54	54	108	108	54	54	108	108
2040	122	76	76	171	172	76	76	171	172
2050	185	108	110	262	266	108	110	262	266

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	44	44	44	44	44	44	44	44	44
2000	61	57	57	64	64	57	57	64	64
2010	74	63	63	84	84	63	63	84	84
2020	89	70	70	108	108	70	70	108	108
2030	131	98	98	163	163	98	98	163	163
2040	191	141	142	243	244	141	142	243	244
2050	272	192	195	350	355	192	195	350	355

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	58	58	58	58	58	58	58	58	58
2000	65	60	60	60	60	70	70	70	70
2010	62	50	51	50	51	72	74	72	74
2020	56	41	43	41	43	67	71	68	71
2030	55	38	41	38	41	69	75	70	75
2040	53	32	36	32	36	71	78	71	79
2050	49	26	31	27	31	69	78	70	79

IRELAND (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2000	32.2	32.2	32.2	32.5	32.5	32.0	32.0	32.3	32.3
2010	34.2	34.5	34.3	35.2	35.0	33.4	33.2	34.1	33.9
2020	36.9	37.7	37.3	38.9	38.5	35.3	35.0	36.5	36.1
2030	39.6	40.9	40.4	42.8	42.2	37.1	36.6	38.9	38.4
2040	41.9	43.7	42.9	46.5	45.6	38.3	37.8	40.9	40.3
2050	44.0	46.1	45.1	50.0	48.8	39.2	38.5	42.7	41.9

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2000	34.1	34.0	34.0	34.3	34.3	33.8	33.8	34.1	34.1
2010	36.0	36.3	36.1	37.0	36.8	35.2	35.0	35.9	35.7
2020	38.7	39.6	39.2	40.7	40.3	37.2	36.8	38.3	37.8
2030	41.6	43.0	42.4	44.7	44.0	39.2	38.6	40.8	40.2
2040	44.1	46.3	45.4	48.5	47.5	40.8	40.1	42.9	42.1
2050	46.3	49.0	47.8	52.1	50.8	41.8	41.1	44.7	43.8

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2000	32.2	32.1	32.1	31.9	31.9	32.6	32.6	32.3	32.3
2010	28.8	27.7	27.8	27.2	27.4	30.3	30.4	29.8	29.9
2020	26.0	23.2	23.6	22.5	22.9	29.0	29.3	28.2	28.6
2030	22.8	19.1	19.7	18.1	18.7	26.8	27.3	25.7	26.2
2040	21.3	17.3	18.0	16.0	16.8	25.9	26.4	24.4	25.0
2050	20.2	15.9	16.7	14.2	15.1	25.6	26.2	23.6	24.2

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
2000	54.5	54.9	54.9	54.5	54.5	54.5	54.5	54.2	54.2
2010	56.5	57.9	58.0	57.1	57.2	55.8	55.9	55.1	55.2
2020	56.0	58.9	59.1	57.4	57.6	54.6	54.7	53.3	53.5
2030	54.3	57.7	58.1	55.2	55.7	53.1	53.4	51.1	51.5
2040	50.6	53.2	54.1	49.7	50.7	50.4	50.9	47.7	48.4
2050	47.8	49.6	50.7	44.8	46.2	48.9	49.6	45.4	46.2

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2000	13.2	13.0	13.0	13.5	13.5	12.9	12.9	13.4	13.4
2010	14.7	14.4	14.2	15.7	15.4	13.9	13.7	15.1	14.9
2020	18.0	17.9	17.4	20.1	19.5	16.4	15.9	18.5	18.0
2030	22.9	23.2	22.2	26.7	25.6	20.1	19.3	23.3	22.3
2040	28.1	29.5	27.9	34.2	32.5	23.8	22.6	28.0	26.7
2050	32.0	34.6	32.6	41.0	38.7	25.5	24.3	31.0	29.6

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2000	17.0	16.3	16.3	17.7	17.7	16.3	16.3	17.7	17.7
2010	16.9	15.1	15.1	18.6	18.6	15.1	15.1	18.6	18.6
2020	16.2	13.5	13.5	18.7	18.6	13.5	13.5	18.7	18.6
2030	18.3	14.8	14.6	21.8	21.6	14.8	14.6	21.8	21.6
2040	21.6	17.2	16.9	26.0	25.6	17.2	16.9	26.0	25.6
2050	27.3	21.6	20.9	33.0	32.1	21.6	20.9	33.0	32.1

ITALY

```
                              Scenario
                0       1       2       3       4       5       6       7       8
Fertility     med     low     low     low     low    high    high    high    high
Mortality     med    high    high     low     low    high    high     low     low
Migration     med     low    high     low    high     low    high     low    high
```

Total Population Size (in 1,000s)

```
     1990 57,706 57,706 57,706 57,706 57,706 57,706 57,706 57,706 57,706
     2000 59,292 58,829 58,829 59,384 59,384 59,181 59,181 59,737 59,737
     2010 59,731 57,242 58,723 58,782 60,263 59,091 60,614 60,638 62,162
     2020 59,453 54,289 57,441 57,066 60,234 58,447 61,835 61,248 64,650
     2030 58,880 50,620 55,576 54,735 59,733 57,679 63,200 61,851 67,416
     2040 57,765 45,994 52,839 51,617 58,575 56,500 64,418 62,231 70,271
     2050 55,929 40,395 49,112 47,578 56,541 54,811 65,324 62,189 72,967
```

Population aged 20-59 years (in 1,000s)

```
     1990 31,870 31,870 31,870 31,870 31,870 31,870 31,870 31,870 31,870
     2000 33,404 33,370 33,370 33,434 33,434 33,370 33,370 33,434 33,434
     2010 32,523 31,968 32,902 32,129 33,063 31,968 32,902 32,129 33,063
     2020 31,159 29,834 31,837 30,099 32,109 30,181 32,185 30,448 32,458
     2030 27,913 25,183 28,419 25,489 28,742 27,013 30,291 27,332 30,628
     2040 25,313 20,806 25,191 21,113 25,532 24,923 29,542 25,271 29,925
     2050 24,531 18,086 23,366 18,424 23,756 25,063 30,903 25,496 31,393
```

Population aged 60-64 years (in 1,000s)

```
     1990  3,249  3,249  3,249  3,249  3,249  3,249  3,249  3,249  3,249
     2000  3,350  3,331  3,331  3,366  3,366  3,331  3,331  3,366  3,366
     2010  3,599  3,547  3,559  3,632  3,643  3,547  3,559  3,632  3,643
     2020  3,814  3,717  3,765  3,847  3,896  3,717  3,765  3,847  3,896
     2030  4,603  4,431  4,556  4,618  4,748  4,431  4,556  4,618  4,748
     2040  3,760  3,512  3,797  3,680  3,978  3,512  3,797  3,680  3,978
     2050  3,191  2,853  3,320  3,006  3,496  2,853  3,320  3,006  3,496
```

Male population aged 80 years and over (in 1,000s)

```
     1990    577    577    577    577    577    577    577    577    577
     2000    703    661    661    743    743    661    661    743    743
     2010  1,121    967    967  1,270  1,270    967    967  1,270  1,270
     2020  1,478  1,163  1,164  1,813  1,813  1,163  1,164  1,813  1,813
     2030  1,894  1,365  1,369  2,445  2,451  1,365  1,369  2,445  2,451
     2040  2,411  1,609  1,624  3,237  3,263  1,609  1,624  3,237  3,263
     2050  3,292  2,027  2,071  4,446  4,525  2,027  2,071  4,446  4,525
```

Female population aged 80 years and over (in 1,000s)

```
     1990  1,156  1,156  1,156  1,156  1,156  1,156  1,156  1,156  1,156
     2000  1,411  1,335  1,335  1,486  1,486  1,335  1,335  1,486  1,486
     2010  2,109  1,870  1,870  2,338  2,338  1,870  1,870  2,338  2,338
     2020  2,642  2,171  2,172  3,094  3,095  2,171  2,172  3,094  3,095
     2030  3,179  2,455  2,461  3,889  3,896  2,455  2,461  3,889  3,896
     2040  3,827  2,752  2,776  4,805  4,838  2,752  2,776  4,805  4,838
     2050  4,794  3,269  3,336  6,139  6,239  3,269  3,336  6,139  6,239
```

Number of births (in 1,000s)

```
     1990    589    589    589    589    589    589    589    589    589
     2000    640    571    571    571    571    710    710    710    710
     2010    565    441    466    441    467    657    695    658    695
     2020    543    385    428    386    429    649    719    651    721
     2030    524    331    392    332    394    655    758    659    762
     2040    493    270    346    272    349    647    786    652    792
     2050    478    231    320    234    322    653    826    660    834
```

ITALY (continued)

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2000	38.7	38.7	38.7	39.0	39.0	38.4	38.4	38.7	38.7
2010	40.9	41.2	40.8	42.1	41.6	40.1	39.6	40.9	40.5
2020	42.9	43.9	43.0	45.4	44.5	41.3	40.5	42.8	41.9
2030	44.6	46.3	44.9	48.6	47.1	42.1	40.9	44.4	43.1
2040	46.1	48.4	46.5	51.8	49.6	42.4	40.9	45.6	44.0
2050	47.0	49.8	47.3	54.5	51.7	41.9	40.4	46.3	44.4

Mean age of the female population (in years)

1990	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2000	41.8	41.7	41.7	42.0	42.0	41.5	41.5	41.8	41.8
2010	44.0	44.3	43.9	45.2	44.7	43.2	42.7	44.1	43.6
2020	46.0	47.0	46.0	48.5	47.5	44.5	43.5	46.0	45.0
2030	47.7	49.5	47.9	51.7	50.1	45.3	44.0	47.5	46.1
2040	49.2	51.7	49.6	54.8	52.5	45.7	44.0	48.7	46.9
2050	50.1	53.3	50.5	57.5	54.5	45.2	43.4	49.4	47.2

Proportion of children aged 0-19 years (in %)

1990	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
2000	21.2	21.0	21.0	20.9	20.9	21.5	21.5	21.3	21.3
2010	20.5	19.2	19.6	18.8	19.2	21.7	22.1	21.3	21.7
2020	19.4	16.6	17.5	15.9	16.8	22.0	22.8	21.1	22.0
2030	18.7	15.0	16.3	14.0	15.3	22.2	23.4	20.9	22.1
2040	18.4	14.2	15.7	12.7	14.3	22.8	24.1	20.9	22.3
2050	18.1	13.4	15.3	11.6	13.4	23.5	24.8	21.0	22.5

Proportion of working age population aged 20-59 years (in %)

1990	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2000	56.3	56.7	56.7	56.3	56.3	56.4	56.4	56.0	56.0
2010	54.4	55.8	56.0	54.7	54.9	54.1	54.3	53.0	53.2
2020	52.4	55.0	55.4	52.7	53.3	51.6	52.0	49.7	50.2
2030	47.4	49.7	51.1	46.6	48.1	46.8	47.9	44.2	45.4
2040	43.8	45.2	47.7	40.9	43.6	44.1	45.9	40.6	42.6
2050	43.9	44.8	47.6	38.7	42.0	45.7	47.3	41.0	43.0

Proportion of elderly aged 60 years and over (in %)

1990	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
2000	22.5	22.2	22.2	22.8	22.8	22.1	22.1	22.7	22.7
2010	25.1	24.9	24.3	26.6	26.0	24.2	23.6	25.8	25.2
2020	28.2	28.4	27.0	31.4	29.9	26.4	25.1	29.2	27.8
2030	33.8	35.2	32.6	39.4	36.6	30.9	28.7	34.9	32.5
2040	37.8	40.6	36.6	46.3	42.1	33.1	30.0	38.4	35.1
2050	38.0	41.8	37.1	49.7	44.5	30.8	27.9	38.0	34.5

Proportion of population aged 80 & over in population 60 & over (in %)

1990	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2000	15.9	15.3	15.3	16.4	16.4	15.3	15.3	16.4	16.4
2010	21.5	19.9	19.8	23.1	23.1	19.9	19.8	23.1	23.1
2020	24.6	21.6	21.5	27.4	27.3	21.6	21.5	27.4	27.3
2030	25.5	21.4	21.1	29.3	29.0	21.4	21.1	29.3	29.0
2040	28.6	23.3	22.7	33.6	32.8	23.3	22.7	33.6	32.8
2050	38.1	31.4	29.7	44.7	42.7	31.4	29.7	44.7	42.7

NETHERLANDS

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	14,893	14,893	14,893	14,893	14,893	14,893	14,893	14,893	14,893
2000	15,897	15,787	15,787	15,916	15,916	15,881	15,881	16,010	16,010
2010	16,423	15,742	16,222	16,103	16,584	16,236	16,730	16,598	17,094
2020	16,783	15,306	16,336	15,983	17,016	16,472	17,582	17,154	18,265
2030	16,973	14,523	16,139	15,624	17,251	16,529	18,333	17,641	19,454
2040	16,823	13,222	15,455	14,886	17,154	16,205	18,790	17,892	20,514
2050	16,400	11,676	14,520	13,814	16,742	15,801	19,237	17,982	21,506

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	8,526	8,526	8,526	8,526	8,526	8,526	8,526	8,526	8,526
2000	9,142	9,134	9,134	9,151	9,151	9,134	9,134	9,151	9,151
2010	8,998	8,825	9,126	8,866	9,167	8,825	9,126	8,866	9,167
2020	8,678	8,271	8,918	8,335	8,983	8,364	9,011	8,428	9,076
2030	7,932	7,115	8,163	7,187	8,240	7,606	8,668	7,680	8,747
2040	7,619	6,250	7,676	6,333	7,768	7,408	8,912	7,499	9,013
2050	7,442	5,489	7,207	5,582	7,317	7,474	9,379	7,589	9,510

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	673	673	673	673	673	673	673	673	673
2000	737	733	733	741	741	733	733	741	741
2010	1,105	1,090	1,093	1,115	1,118	1,090	1,093	1,115	1,118
2020	1,148	1,120	1,136	1,156	1,172	1,120	1,136	1,156	1,172
2030	1,227	1,178	1,219	1,225	1,267	1,178	1,219	1,225	1,267
2040	940	865	957	908	1,004	865	957	908	1,004
2050	977	868	1,019	916	1,075	868	1,019	916	1,075

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	143	143	143	143	143	143	143	143	143
2000	177	165	165	188	188	165	165	188	188
2010	250	213	213	286	286	213	213	286	286
2020	344	267	267	422	422	267	267	422	422
2030	554	402	403	704	706	402	403	704	706
2040	759	480	485	1,003	1,012	480	485	1,003	1,012
2050	941	532	546	1,307	1,333	532	546	1,307	1,333

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	298	298	298	298	298	298	298	298	298
2000	383	368	368	401	401	368	368	401	401
2010	505	452	452	556	556	452	452	556	556
2020	615	515	515	712	712	515	515	712	712
2030	883	691	693	1,046	1,048	691	693	1,046	1,048
2040	1,149	815	823	1,414	1,425	815	823	1,414	1,425
2050	1,362	899	920	1,736	1,768	899	920	1,736	1,768

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	189	189	189	189	189	189	189	189	189
2000	183	165	165	165	165	201	201	201	201
2010	161	126	134	126	135	185	198	186	198
2020	167	119	134	120	134	197	220	197	221
2030	157	100	121	101	121	192	226	193	227
2040	147	81	106	81	107	188	234	189	235
2050	147	72	101	73	102	196	253	198	255

NETHERLANDS (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2000	37.4	37.3	37.3	37.6	37.6	37.1	37.1	37.4	37.4
2010	40.0	40.4	39.9	41.1	40.6	39.3	38.8	40.0	39.6
2020	42.3	43.4	42.4	44.8	43.7	40.9	39.9	42.3	41.3
2030	44.1	45.8	44.3	48.1	46.5	41.7	40.4	44.0	42.5
2040	45.5	47.5	45.5	51.2	48.9	41.7	40.1	45.3	43.4
2050	46.1	48.5	46.0	53.7	50.8	41.0	39.4	45.9	43.8

Mean age of the female population (in years)

1990	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2000	39.9	39.8	39.8	40.1	40.1	39.6	39.6	39.9	39.9
2010	42.4	42.8	42.3	43.6	43.0	41.8	41.2	42.5	42.0
2020	44.8	46.0	44.9	47.2	46.1	43.5	42.4	44.7	43.7
2030	46.8	48.7	47.0	50.7	48.9	44.6	43.1	46.6	45.0
2040	48.4	50.8	48.5	54.0	51.5	44.9	43.1	48.1	46.1
2050	49.1	52.0	49.2	56.5	53.3	44.3	42.4	48.6	46.3

Proportion of children aged 0-19 years (in %)

1990	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
2000	23.9	23.8	23.8	23.6	23.6	24.2	24.2	24.0	24.0
2010	22.3	21.0	21.5	20.6	21.1	23.4	23.9	23.0	23.4
2020	20.2	17.3	18.4	16.7	17.7	22.6	23.7	21.8	22.9
2030	19.7	16.0	17.3	14.9	16.3	23.2	24.5	21.8	23.2
2040	19.2	15.1	16.7	13.5	15.2	23.6	24.9	21.5	23.0
2050	18.7	14.1	16.1	12.0	14.1	24.0	25.4	21.3	22.9

Proportion of working age population aged 20-59 years (in %)

1990	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2000	57.5	57.9	57.9	57.5	57.5	57.5	57.5	57.2	57.2
2010	54.8	56.1	56.3	55.1	55.3	54.4	54.5	53.4	53.6
2020	51.7	54.0	54.6	52.1	52.8	50.8	51.3	49.1	49.7
2030	46.7	49.0	50.6	46.0	47.8	46.0	47.3	43.5	45.0
2040	45.3	47.3	49.7	42.5	45.3	45.7	47.4	41.9	43.9
2050	45.4	47.0	49.6	40.4	43.7	47.3	48.8	42.2	44.2

Proportion of elderly aged 60 years and over (in %)

1990	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2000	18.6	18.4	18.4	18.9	18.9	18.3	18.3	18.8	18.8
2010	23.0	22.9	22.2	24.3	23.7	22.2	21.6	23.6	22.9
2020	28.1	28.6	27.0	31.2	29.5	26.6	25.1	29.0	27.5
2030	33.5	35.1	32.1	39.1	35.9	30.8	28.2	34.6	31.9
2040	35.5	37.7	33.6	44.0	39.6	30.7	27.7	36.6	33.1
2050	35.9	38.9	34.3	47.6	42.2	28.7	25.9	36.5	32.9

Proportion of population aged 80 & over in population 60 & over (in %)

1990	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2000	18.9	18.4	18.4	19.6	19.6	18.4	18.4	19.6	19.6
2010	20.0	18.4	18.4	21.5	21.5	18.4	18.4	21.5	21.5
2020	20.4	17.9	17.7	22.8	22.6	17.9	17.7	22.8	22.6
2030	25.3	21.5	21.2	28.6	28.3	21.5	21.2	28.6	28.3
2040	31.9	26.0	25.2	36.9	35.9	26.0	25.2	36.9	35.9
2050	39.1	31.5	29.5	46.3	43.9	31.5	29.5	46.3	43.9

NORWAY

				Scenario				
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	4,217	4,217	4,217	4,217	4,217	4,217	4,217	4,217	4,217
2000	4,488	4,453	4,453	4,496	4,496	4,479	4,479	4,522	4,522
2010	4,644	4,453	4,578	4,563	4,688	4,594	4,723	4,704	4,833
2020	4,767	4,357	4,624	4,548	4,815	4,699	4,986	4,891	5,178
2030	4,876	4,199	4,617	4,493	4,915	4,802	5,268	5,100	5,569
2040	4,894	3,905	4,482	4,337	4,924	4,809	5,477	5,249	5,928
2050	4,829	3,522	4,257	4,085	4,841	4,777	5,664	5,354	6,264

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	2,211	2,211	2,211	2,211	2,211	2,211	2,211	2,211	2,211
2000	2,462	2,459	2,459	2,464	2,464	2,459	2,459	2,464	2,464
2010	2,463	2,417	2,495	2,429	2,507	2,417	2,495	2,429	2,507
2020	2,483	2,376	2,543	2,396	2,563	2,401	2,568	2,421	2,588
2030	2,386	2,164	2,436	2,188	2,462	2,304	2,579	2,329	2,606
2040	2,286	1,909	2,278	1,937	2,309	2,248	2,637	2,278	2,670
2050	2,271	1,721	2,165	1,753	2,202	2,317	2,808	2,356	2,853

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	203	203	203	203	203	203	203	203	203
2000	181	180	180	182	182	180	180	182	182
2010	291	287	287	293	294	287	287	293	294
2020	296	289	293	298	302	289	293	298	302
2030	330	318	328	330	341	318	328	330	341
2040	279	259	283	271	296	259	283	271	296
2050	269	240	279	253	294	240	279	253	294

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	52	52	52	52	52	52	52	52	52
2000	69	65	65	73	73	65	65	73	73
2010	85	73	73	98	98	73	73	98	98
2020	92	72	72	114	114	72	72	114	114
2030	144	106	107	184	184	106	107	184	184
2040	197	130	132	260	262	130	132	260	262
2050	246	148	151	340	347	148	151	340	347

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	101	101	101	101	101	101	101	101	101
2000	136	129	129	142	142	129	129	142	142
2010	159	141	141	177	177	141	141	177	177
2020	166	136	136	196	196	136	136	196	196
2030	231	180	180	277	278	180	180	277	278
2040	297	211	214	369	371	211	214	369	371
2050	350	234	239	450	458	234	239	450	458

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	59	59	59	59	59	59	59	59	59
2000	58	53	53	53	53	63	63	63	63
2010	49	39	41	39	41	56	59	56	59
2020	50	36	40	36	40	60	66	60	66
2030	49	32	37	32	37	60	69	61	69
2040	44	25	32	25	32	58	70	58	70
2050	44	22	29	22	30	60	75	61	75

NORWAY (continued)

	Scenario								
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
2000	37.0	37.0	37.0	37.3	37.3	36.8	36.8	37.1	37.1
2010	38.7	39.0	38.6	39.9	39.4	38.0	37.6	38.8	38.4
2020	40.8	41.8	41.0	43.2	42.3	39.4	38.6	40.7	39.9
2030	42.6	44.3	43.0	46.4	45.1	40.2	39.1	42.3	41.2
2040	44.3	46.4	44.7	49.6	47.7	40.6	39.4	43.7	42.3
2050	45.4	47.9	45.9	52.5	50.1	40.5	39.2	44.7	43.0

Mean age of the female population (in years)

1990	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2000	39.8	39.7	39.7	40.0	40.0	39.5	39.5	39.8	39.8
2010	41.3	41.6	41.1	42.4	42.0	40.5	40.1	41.4	40.9
2020	43.3	44.3	43.4	45.7	44.7	41.9	41.0	43.2	42.3
2030	45.3	47.0	45.6	49.0	47.5	42.9	41.7	44.9	43.6
2040	47.0	49.3	47.4	52.3	50.3	43.4	42.0	46.4	44.8
2050	48.1	51.0	48.6	55.1	52.4	43.3	41.8	47.2	45.4

Proportion of children aged 0-19 years (in %)

1990	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2000	25.5	25.4	25.4	25.1	25.1	25.8	25.8	25.6	25.6
2010	24.9	23.8	24.2	23.3	23.7	26.2	26.5	25.6	26.0
2020	21.9	19.1	20.0	18.4	19.3	24.5	25.3	23.6	24.5
2030	20.8	16.9	18.1	15.9	17.1	24.4	25.5	23.1	24.2
2040	20.1	15.9	17.2	14.4	15.8	24.7	25.7	22.8	24.0
2050	19.1	14.5	16.2	12.6	14.3	24.5	25.6	22.1	23.4

Proportion of working age population aged 20-59 years (in %)

1990	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2000	54.9	55.2	55.2	54.8	54.8	54.9	54.9	54.5	54.5
2010	53.0	54.3	54.5	53.2	53.5	52.6	52.8	51.6	51.9
2020	52.1	54.5	55.0	52.7	53.2	51.1	51.5	49.5	50.0
2030	48.9	51.5	52.8	48.7	50.1	48.0	49.0	45.7	46.8
2040	46.7	48.9	50.8	44.7	46.9	46.7	48.1	43.4	45.0
2050	47.0	48.9	50.9	42.9	45.5	48.5	49.6	44.0	45.5

Proportion of elderly aged 60 years and over (in %)

1990	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
2000	19.7	19.4	19.4	20.0	20.0	19.3	19.3	19.9	19.9
2010	22.1	21.9	21.3	23.4	22.8	21.2	20.7	22.7	22.2
2020	26.0	26.4	25.0	28.9	27.5	24.4	23.2	26.9	25.6
2030	30.3	31.5	29.2	35.4	32.9	27.6	25.6	31.2	29.0
2040	33.2	35.2	31.9	40.9	37.3	28.6	26.1	33.8	31.0
2050	33.8	36.7	33.0	44.5	40.2	27.0	24.8	33.9	31.1

Proportion of population aged 80 & over in population 60 & over (in %)

1990	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
2000	23.2	22.5	22.5	23.9	23.9	22.5	22.5	23.9	23.9
2010	23.9	22.0	21.9	25.7	25.6	22.0	21.9	25.7	25.6
2020	20.9	18.1	18.0	23.6	23.4	18.1	18.0	23.6	23.4
2030	25.4	21.6	21.3	29.0	28.6	21.6	21.3	29.0	28.6
2040	30.4	24.9	24.1	35.4	34.5	24.9	24.1	35.4	34.5
2050	36.5	29.5	27.8	43.4	41.4	29.5	27.8	43.4	41.4

POLAND

			Scenario		
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Total Population Size (in 1,000s)

1990	38,407	38,407	38,407	38,407	38,407
2000	40,041	39,842	40,026	40,065	40,249
2010	41,672	40,600	41,314	42,018	42,735
2020	42,441	39,911	41,405	43,421	44,936
2030	42,629	38,328	40,797	44,467	46,985
2040	42,236	35,872	39,426	45,221	48,883
2050	41,301	32,825	37,392	45,777	50,550

Population aged 20-59 years (in 1,000s)

1990	20,208	20,208	20,208	20,208	20,208
2000	21,711	21,692	21,730	21,692	21,730
2010	23,333	23,256	23,406	23,256	23,406
2020	22,324	22,085	22,325	22,304	22,545
2030	22,677	21,773	22,135	23,172	23,544
2040	21,639	19,651	20,092	23,114	23,593
2050	19,924	16,683	17,129	22,713	23,263

Population aged 60-64 years (in 1,000s)

1990	1,831	1,831	1,831	1,831	1,831
2000	1,727	1,719	1,734	1,719	1,734
2010	2,260	2,228	2,289	2,228	2,289
2020	2,757	2,687	2,815	2,687	2,815
2030	2,126	2,053	2,185	2,053	2,185
2040	2,783	2,667	2,869	2,667	2,869
2050	2,687	2,559	2,775	2,559	2,775

Male population aged 80 years and over (in 1,000s)

1990	231	231	231	231	231
2000	220	212	228	212	228
2010	364	326	407	326	407
2020	478	382	582	382	582
2030	671	490	879	490	879
2040	1,105	737	1,525	737	1,525
2050	1,200	707	1,795	707	1,795

Female population aged 80 years and over (in 1,000s)

1990	532	532	532	532	532
2000	544	531	565	531	565
2010	856	776	934	776	934
2020	1,059	876	1,241	876	1,241
2030	1,372	1,062	1,687	1,062	1,687
2040	2,086	1,518	2,630	1,518	2,630
2050	2,228	1,476	2,980	1,476	2,980

Number of births (in 1,000s)

1990	556	556	556	556	556
2000	555	508	509	601	601
2010	538	440	441	635	635
2020	467	349	350	588	590
2030	455	314	315	614	617
2040	414	254	256	608	613
2050	380	211	214	602	609

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POLAND (continued)

	Scenario				
	0	1	3	5	7
Fertility	med	low	low	high	high
Mortality	med	high	low	high	low
Migration	zero	zero	zero	zero	zero

Mean age of the male population (in years)

1990	32.2	32.2	32.2	32.2	32.2
2000	33.9	33.9	34.1	33.7	33.9
2010	35.6	35.9	36.4	34.8	35.3
2020	37.7	38.4	39.5	35.9	37.0
2030	39.7	40.9	42.8	36.8	38.7
2040	41.5	43.1	45.9	37.3	40.0
2050	43.2	45.2	49.0	37.8	41.2

Mean age of the female population (in years)

1990	35.3	35.3	35.3	35.3	35.3
2000	37.1	37.1	37.2	36.9	37.1
2010	38.8	39.0	39.6	38.0	38.5
2020	40.9	41.6	42.8	39.2	40.2
2030	43.2	44.4	46.2	40.3	42.0
2040	45.1	46.8	49.4	40.9	43.4
2050	46.8	49.0	52.5	41.4	44.6

Proportion of children aged 0-19 years (in %)

1990	32.6	32.6	32.6	32.6	32.6
2000	29.8	29.6	29.5	30.0	29.9
2010	26.5	25.5	25.1	28.0	27.6
2020	24.8	22.2	21.5	27.9	27.2
2030	22.2	18.6	17.6	26.7	25.5
2040	21.0	16.9	15.6	26.5	24.8
2050	19.9	15.5	13.8	26.2	24.1

Proportion of working age population aged 20-59 years (in %)

1990	52.6	52.6	52.6	52.6	52.6
2000	54.2	54.4	54.3	54.1	54.0
2010	56.0	57.3	56.7	55.3	54.8
2020	52.6	55.3	53.9	51.4	50.2
2030	53.2	56.8	54.3	52.1	50.1
2040	51.2	54.8	51.0	51.1	48.3
2050	48.2	50.8	45.8	49.6	46.0

Proportion of elderly aged 60 years and over (in %)

1990	14.7	14.7	14.7	14.7	14.7
2000	16.0	15.9	16.2	15.8	16.1
2010	17.5	17.3	18.3	16.7	17.7
2020	22.6	22.5	24.6	20.7	22.7
2030	24.6	24.6	28.1	21.2	24.4
2040	27.8	28.3	33.4	22.4	27.0
2050	31.8	33.7	40.4	24.1	29.9

Proportion of population aged 80 & over in population 60 & over (in %)

1990	13.5	13.5	13.5	13.5	13.5
2000	11.9	11.7	12.2	11.7	12.2
2010	16.8	15.7	17.8	15.7	17.8
2020	16.0	14.0	17.9	14.0	17.9
2030	19.5	16.5	22.4	16.5	22.4
2040	27.2	22.2	31.5	22.2	31.5
2050	26.1	19.8	31.6	19.8	31.6

PORTUGAL

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	10,387	10,387	10,387	10,387	10,387	10,387	10,387	10,387	10,387
2000	10,959	10,876	10,876	10,970	10,970	10,944	10,944	11,038	11,038
2010	11,332	10,837	11,172	11,100	11,435	11,215	11,559	11,480	11,824
2020	11,567	10,512	11,222	10,994	11,708	11,383	12,145	11,872	12,637
2030	11,718	10,011	11,124	10,743	11,868	11,496	12,734	12,244	13,495
2040	11,738	9,293	10,826	10,316	11,879	11,512	13,285	12,567	14,371
2050	11,587	8,355	10,307	9,690	11,702	11,403	13,756	12,794	15,213

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	5,469	5,469	5,469	5,469	5,469	5,469	5,469	5,469	5,469
2000	6,129	6,122	6,122	6,136	6,136	6,122	6,122	6,136	6,136
2010	6,378	6,251	6,462	6,291	6,502	6,251	6,462	6,291	6,502
2020	6,301	6,003	6,454	6,073	6,525	6,070	6,521	6,140	6,593
2030	5,909	5,303	6,032	5,391	6,124	5,676	6,413	5,767	6,510
2040	5,427	4,435	5,419	4,526	5,520	5,294	6,328	5,396	6,443
2050	5,222	3,816	5,000	3,911	5,110	5,277	6,585	5,400	6,725

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	523	523	523	523	523	523	523	523	523
2000	521	519	519	524	524	519	519	524	524
2010	569	560	562	574	577	560	562	574	577
2020	703	683	694	710	721	683	694	710	721
2030	832	795	823	834	863	795	823	834	863
2040	810	753	817	795	862	753	817	795	862
2050	661	585	690	621	731	585	690	621	731

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	88	88	88	88	88	88	88	88	88
2000	123	116	116	129	129	116	116	129	129
2010	172	150	150	196	196	150	150	196	196
2020	216	170	170	265	265	170	170	265	265
2030	271	196	197	352	353	196	197	352	353
2040	390	263	267	519	525	263	267	519	525
2050	557	353	363	760	777	353	363	760	777

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	173	173	173	173	173	173	173	173	173
2000	232	220	220	244	244	220	220	244	244
2010	324	286	286	361	361	286	286	361	361
2020	402	327	327	477	477	327	327	477	477
2030	484	366	367	599	600	366	367	599	600
2040	633	459	464	800	807	459	464	800	807
2050	848	587	602	1,080	1,102	587	602	1,080	1,102

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	122	122	122	122	122	122	122	122	122
2000	135	121	121	121	121	148	148	148	148
2010	123	97	102	97	102	143	151	143	152
2020	115	81	91	81	91	138	153	138	154
2030	112	70	84	71	85	140	162	141	164
2040	106	58	75	58	75	139	170	140	171
2050	102	49	68	49	69	138	177	140	179

PORTUGAL (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2000	36.2	36.2	36.2	36.4	36.4	35.9	35.9	36.2	36.2
2010	38.2	38.6	38.2	39.3	38.9	37.4	37.0	38.2	37.8
2020	40.4	41.5	40.6	42.8	41.9	38.9	38.1	40.2	39.4
2030	42.6	44.4	43.0	46.4	44.9	40.2	39.1	42.2	40.9
2040	44.5	47.0	45.1	49.9	47.8	41.0	39.6	43.8	42.2
2050	45.8	49.0	46.5	53.1	50.3	41.1	39.6	45.0	43.1

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2000	39.3	39.3	39.3	39.6	39.6	39.1	39.1	39.4	39.4
2010	41.3	41.8	41.3	42.5	42.0	40.6	40.2	41.4	40.9
2020	43.5	44.6	43.6	46.0	44.9	42.0	41.1	43.4	42.4
2030	45.6	47.5	45.9	49.5	47.8	43.3	42.0	45.2	43.8
2040	47.5	50.2	48.1	52.9	50.6	44.2	42.5	46.8	45.0
2050	48.9	52.4	49.7	56.1	53.1	44.4	42.6	48.0	45.9

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
2000	24.6	24.5	24.5	24.3	24.3	24.9	24.9	24.8	24.8
2010	23.0	21.6	22.1	21.2	21.6	24.3	24.7	23.8	24.2
2020	21.6	18.6	19.5	17.9	18.8	24.2	25.1	23.4	24.3
2030	20.1	16.1	17.4	15.2	16.5	23.7	24.9	22.5	23.7
2040	19.4	14.8	16.4	13.5	15.1	23.8	25.0	22.1	23.4
2050	18.8	13.8	15.7	12.1	14.0	24.0	25.3	21.8	23.3

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2000	55.9	56.3	56.3	55.9	55.9	55.9	55.9	55.6	55.6
2010	56.3	57.7	57.8	56.7	56.9	55.7	55.9	54.8	55.0
2020	54.5	57.1	57.5	55.2	55.7	53.3	53.7	51.7	52.2
2030	50.4	53.0	54.2	50.2	51.6	49.4	50.4	47.1	48.2
2040	46.2	47.7	50.1	43.9	46.5	46.0	47.6	42.9	44.8
2050	45.1	45.7	48.5	40.4	43.7	46.3	47.9	42.2	44.2

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2000	19.5	19.3	19.3	19.8	19.8	19.1	19.1	19.7	19.7
2010	20.8	20.7	20.1	22.1	21.5	20.0	19.4	21.4	20.8
2020	24.0	24.3	23.0	26.9	25.4	22.5	21.2	24.9	23.6
2030	29.5	30.9	28.3	34.6	31.9	26.9	24.8	30.4	28.1
2040	34.4	37.5	33.5	42.6	38.4	30.2	27.3	35.0	31.7
2050	36.2	40.5	35.8	47.5	42.3	29.7	26.8	36.0	32.5

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2000	16.7	16.1	16.1	17.2	17.2	16.1	16.1	17.2	17.2
2010	21.1	19.4	19.4	22.7	22.7	19.4	19.4	22.7	22.7
2020	22.3	19.4	19.3	25.1	24.9	19.4	19.3	25.1	24.9
2030	21.9	18.2	17.9	25.5	25.2	18.2	17.9	25.5	25.2
2040	25.3	20.7	20.1	30.0	29.2	20.7	20.1	30.0	29.2
2050	33.5	27.8	26.2	39.9	38.0	27.8	26.2	39.9	38.0

SPAIN

		Scenario							
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	39,303	39,303	39,303	39,303	39,303	39,303	39,303	39,303	39,303
2000	40,540	40,248	40,248	40,589	40,589	40,499	40,499	40,840	40,840
2010	41,372	39,865	40,481	40,843	41,461	41,244	41,877	42,226	42,862
2020	41,632	38,488	39,805	40,244	41,565	41,572	42,987	43,342	44,761
2030	41,490	36,438	38,505	39,098	41,182	41,610	43,915	44,304	46,628
2040	40,889	33,470	36,325	37,344	40,248	41,198	44,504	45,147	48,502
2050	39,382	29,551	33,190	34,697	38,440	40,135	44,525	45,417	49,919

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	20,844	20,844	20,844	20,844	20,844	20,844	20,844	20,844	20,844
2000	23,015	22,995	22,995	23,038	23,038	22,995	22,995	23,038	23,038
2010	23,328	23,071	23,459	23,187	23,578	23,071	23,459	23,187	23,578
2020	22,221	21,572	22,407	21,765	22,603	21,820	22,655	22,014	22,852
2030	20,130	18,630	19,979	18,862	20,219	19,995	21,362	20,236	21,611
2040	17,888	15,272	17,099	15,510	17,353	18,323	20,248	18,590	20,531
2050	16,794	12,956	15,157	13,205	15,427	18,063	20,499	18,381	20,840

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	2,081	2,081	2,081	2,081	2,081	2,081	2,081	2,081	2,081
2000	1,821	1,812	1,812	1,830	1,830	1,812	1,812	1,830	1,830
2010	2,229	2,201	2,205	2,250	2,254	2,201	2,205	2,250	2,254
2020	2,726	2,668	2,688	2,754	2,774	2,668	2,688	2,754	2,774
2030	3,121	3,024	3,076	3,145	3,199	3,024	3,076	3,145	3,199
2040	2,928	2,785	2,904	2,917	3,041	2,785	2,904	2,917	3,041
2050	2,288	2,115	2,310	2,230	2,435	2,115	2,310	2,230	2,435

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	345	345	345	345	345	345	345	345	345
2000	485	459	459	513	513	459	459	513	513
2010	768	666	666	872	872	666	666	872	872
2020	946	743	743	1,157	1,157	743	743	1,157	1,157
2030	1,240	904	906	1,594	1,596	904	906	1,594	1,596
2040	1,715	1,147	1,153	2,260	2,271	1,147	1,153	2,260	2,271
2050	2,329	1,432	1,451	3,177	3,212	1,432	1,451	3,177	3,212

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	752	752	752	752	752	752	752	752	752
2000	1,009	962	962	1,056	1,056	962	962	1,056	1,056
2010	1,416	1,266	1,266	1,564	1,564	1,266	1,266	1,564	1,564
2020	1,686	1,394	1,394	1,966	1,967	1,394	1,394	1,966	1,967
2030	2,066	1,605	1,607	2,496	2,498	1,605	1,607	2,496	2,498
2040	2,663	1,912	1,921	3,288	3,302	1,912	1,921	3,288	3,302
2050	3,330	2,261	2,290	4,224	4,266	2,261	2,290	4,224	4,266

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	401	401	401	401	401	401	401	401	401
2000	458	408	408	408	408	508	508	508	508
2010	425	336	346	336	347	501	517	502	518
2020	378	273	291	274	292	461	491	463	492
2030	368	240	265	241	266	478	521	480	523
2040	347	200	231	201	233	479	537	482	541
2050	325	167	204	168	205	472	545	477	549

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SPAIN (continued)

				Scenario				
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2000	37.5	37.5	37.5	37.8	37.8	37.3	37.3	37.6	37.6
2010	39.9	40.2	40.0	41.0	40.7	39.0	38.8	39.8	39.6
2020	42.3	43.1	42.6	44.5	44.0	40.5	40.1	41.9	41.4
2030	44.6	46.1	45.2	48.2	47.3	41.9	41.2	43.9	43.2
2040	46.5	48.5	47.3	51.6	50.4	42.4	41.5	45.5	44.5
2050	47.6	50.0	48.5	54.6	52.9	42.1	41.1	46.4	45.3

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
2000	40.4	40.4	40.4	40.7	40.7	40.2	40.2	40.5	40.5
2010	42.7	43.0	42.8	43.8	43.6	41.9	41.6	42.7	42.4
2020	45.0	45.9	45.3	47.3	46.7	43.4	42.8	44.7	44.2
2030	47.3	48.9	48.0	50.9	49.9	44.7	43.9	46.7	45.8
2040	49.3	51.4	50.1	54.3	53.0	45.3	44.3	48.2	47.1
2050	50.5	53.1	51.5	57.2	55.4	45.1	44.0	49.1	47.8

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2000	22.7	22.5	22.5	22.3	22.3	23.0	23.0	22.8	22.8
2010	20.9	19.6	19.8	19.2	19.4	22.3	22.5	21.8	22.1
2020	20.1	17.4	17.9	16.7	17.2	22.9	23.4	22.1	22.6
2030	18.7	15.2	15.9	14.2	15.0	22.4	23.1	21.2	21.9
2040	18.1	14.1	15.0	12.7	13.7	22.8	23.6	21.0	21.8
2050	17.8	13.5	14.6	11.6	12.8	23.6	24.4	21.1	22.0

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2000	56.8	57.1	57.1	56.8	56.8	56.8	56.8	56.4	56.4
2010	56.4	57.9	58.0	56.8	56.9	55.9	56.0	54.9	55.0
2020	53.4	56.0	56.3	54.1	54.4	52.5	52.7	50.8	51.1
2030	48.5	51.1	51.9	48.2	49.1	48.1	48.6	45.7	46.3
2040	43.7	45.6	47.1	41.5	43.1	44.5	45.5	41.2	42.3
2050	42.6	43.8	45.7	38.1	40.1	45.0	46.0	40.5	41.7

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2000	20.6	20.4	20.4	20.9	20.9	20.2	20.2	20.8	20.8
2010	22.8	22.5	22.2	24.0	23.7	21.8	21.5	23.3	22.9
2020	26.5	26.6	25.8	29.2	28.4	24.6	23.9	27.1	26.4
2030	32.8	33.7	32.2	37.5	35.9	29.5	28.2	33.1	31.7
2040	38.2	40.3	37.9	45.7	43.2	32.7	30.9	37.8	35.8
2050	39.5	42.7	39.7	50.3	47.1	31.4	29.6	38.4	36.3

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2000	17.9	17.3	17.3	18.5	18.5	17.3	17.3	18.5	18.5
2010	23.2	21.5	21.5	24.8	24.8	21.5	21.5	24.8	24.8
2020	23.8	20.9	20.8	26.5	26.5	20.9	20.8	26.5	26.5
2030	24.3	20.4	20.3	27.9	27.7	20.4	20.3	27.9	27.7
2040	28.0	22.7	22.3	32.5	32.1	22.7	22.3	32.5	32.1
2050	36.4	29.3	28.4	42.4	41.3	29.3	28.4	42.4	41.3

SWITZERLAND

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	6,621	6,621	6,621	6,621	6,621	6,621	6,621	6,621	6,621
2000	7,086	7,038	7,038	7,095	7,095	7,077	7,077	7,134	7,134
2010	7,291	6,918	7,282	7,081	7,446	7,122	7,497	7,286	7,662
2020	7,446	6,631	7,409	6,943	7,725	7,115	7,953	7,429	8,271
2030	7,552	6,201	7,424	6,713	7,946	7,034	8,398	7,553	8,928
2040	7,540	5,600	7,290	6,342	8,060	6,836	8,792	7,592	9,578
2050	7,444	4,931	7,085	5,848	8,065	6,638	9,236	7,582	10,248

Population aged 20-59 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	3,768	3,768	3,768	3,768	3,768	3,768	3,768	3,768	3,768
2000	3,942	3,939	3,939	3,946	3,946	3,939	3,939	3,946	3,946
2010	3,805	3,682	3,910	3,699	3,927	3,682	3,910	3,699	3,927
2020	3,725	3,445	3,934	3,473	3,964	3,483	3,972	3,511	4,002
2030	3,477	2,955	3,748	2,989	3,787	3,156	3,960	3,192	4,001
2040	3,409	2,587	3,665	2,628	3,715	3,065	4,201	3,111	4,258
2050	3,407	2,281	3,579	2,329	3,641	3,102	4,540	3,163	4,616

Population aged 60-64 years (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	338	338	338	338	338	338	338	338	338
2000	378	376	376	379	379	376	376	379	379
2010	479	473	476	482	484	473	476	482	484
2020	486	473	484	485	497	473	484	485	497
2030	514	488	519	505	537	488	519	505	537
2040	422	374	445	392	465	374	445	392	465
2050	438	366	481	386	506	366	481	386	506

Male population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	88	88	88	88	88	88	88	88	88
2000	111	106	106	117	117	106	106	117	117
2010	150	132	132	167	167	132	132	167	167
2020	203	166	166	241	241	166	166	241	241
2030	295	220	222	366	367	220	222	366	367
2040	366	239	243	471	478	239	243	471	478
2050	435	258	270	585	606	258	270	585	606

Female population aged 80 years and over (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	181	181	181	181	181	181	181	181	181
2000	215	207	207	223	223	207	207	223	223
2010	277	251	251	301	301	251	251	301	301
2020	344	289	289	393	393	289	289	393	393
2030	463	355	356	542	543	355	356	542	543
2040	545	383	389	671	680	383	389	671	680
2050	611	405	422	779	805	405	422	779	805

Number of births (in 1,000s)

	0	1	2	3	4	5	6	7	8
1990	79	79	79	79	79	79	79	79	79
2000	76	68	68	68	68	83	83	83	83
2010	69	52	59	52	59	77	87	77	87
2020	74	50	61	50	61	83	101	83	101
2030	70	42	57	42	57	80	105	80	106
2040	67	33	53	34	53	78	113	79	114
2050	69	30	52	30	52	82	125	83	126

SWITZERLAND (continued)

					Scenario				
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2000	39.1	39.1	39.1	39.3	39.3	38.9	38.9	39.1	39.1
2010	41.3	41.9	41.0	42.6	41.7	40.8	39.9	41.5	40.7
2020	43.1	44.6	42.8	46.0	44.1	42.1	40.3	43.5	41.7
2030	44.3	46.6	44.0	49.0	46.1	42.5	40.2	44.8	42.3
2040	45.4	48.2	44.8	51.9	48.0	42.4	39.7	45.9	42.8
2050	45.8	49.2	45.2	54.2	49.5	41.6	39.0	46.3	42.9

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
2000	41.9	41.9	41.9	42.1	42.1	41.7	41.7	41.9	41.9
2010	44.0	44.7	43.7	45.4	44.4	43.6	42.7	44.4	43.4
2020	45.9	47.5	45.5	48.8	46.8	45.0	43.1	46.4	44.4
2030	47.4	49.7	46.7	52.0	48.9	45.6	43.0	47.9	45.1
2040	48.3	51.4	47.6	54.9	50.7	45.6	42.5	49.0	45.5
2050	48.6	52.5	48.0	57.1	52.0	44.8	41.7	49.2	45.4

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
2000	22.4	22.2	22.2	22.1	22.1	22.6	22.6	22.5	22.5
2010	21.4	20.1	20.9	19.7	20.5	22.4	23.2	21.9	22.7
2020	19.8	16.6	18.5	16.0	17.8	21.8	23.6	21.0	22.8
2030	19.8	15.6	17.9	14.5	16.8	22.7	24.9	21.3	23.6
2040	19.4	14.8	17.4	13.2	15.9	23.2	25.4	21.1	23.6
2050	19.1	13.8	17.0	11.8	15.1	23.6	25.9	21.0	23.7

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2000	55.6	56.0	56.0	55.6	55.6	55.7	55.7	55.3	55.3
2010	52.2	53.2	53.7	52.2	52.7	51.7	52.2	50.8	51.3
2020	50.0	52.0	53.1	50.0	51.3	49.0	49.9	47.3	48.4
2030	46.0	47.6	50.5	44.5	47.7	44.9	47.2	42.3	44.8
2040	45.2	46.2	50.3	41.4	46.1	44.8	47.8	41.0	44.5
2050	45.8	46.3	50.5	39.8	45.1	46.7	49.2	41.7	45.0

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2000	22.0	21.8	21.8	22.3	22.3	21.7	21.7	22.2	22.2
2010	26.4	26.7	25.4	28.1	26.8	25.9	24.7	27.3	26.0
2020	30.1	31.4	28.4	34.0	30.9	29.3	26.5	31.8	28.8
2030	34.2	36.8	31.6	41.0	35.5	32.4	28.0	36.4	31.6
2040	35.4	39.1	32.3	45.4	38.0	32.0	26.8	37.9	32.0
2050	35.1	40.0	32.5	48.4	39.8	29.7	24.9	37.3	31.3

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
2000	20.9	20.4	20.4	21.5	21.5	20.4	20.4	21.5	21.5
2010	22.2	20.7	20.7	23.6	23.5	20.7	20.7	23.6	23.5
2020	24.4	21.8	21.6	26.8	26.6	21.8	21.6	26.8	26.6
2030	29.4	25.2	24.6	33.0	32.3	25.2	24.6	33.0	32.3
2040	34.2	28.4	26.8	39.7	37.8	28.4	26.8	39.7	37.8
2050	40.0	33.6	30.0	48.2	44.0	33.6	30.0	48.2	44.0

SWEDEN

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	8,455	8,455	8,455	8,455	8,455	8,455	8,455	8,455	8,455
2000	8,937	8,872	8,872	8,955	8,955	8,918	8,918	9,002	9,002
2010	9,163	8,759	9,070	8,984	9,295	9,015	9,334	9,240	9,560
2020	9,337	8,465	9,125	8,863	9,525	9,097	9,807	9,498	10,209
2030	9,501	8,034	9,068	8,675	9,717	9,158	10,310	9,805	10,966
2040	9,511	7,392	8,820	8,316	9,768	9,075	10,727	10,014	11,692
2050	9,405	6,661	8,478	7,795	9,667	8,999	11,191	10,162	12,412

Population aged 20-59 years (in 1,000s)

1990	4,478	4,478	4,478	4,478	4,478	4,478	4,478	4,478	4,478
2000	4,763	4,759	4,759	4,768	4,768	4,759	4,759	4,768	4,768
2010	4,548	4,441	4,633	4,461	4,653	4,441	4,633	4,461	4,653
2020	4,661	4,413	4,825	4,446	4,859	4,459	4,871	4,492	4,904
2030	4,540	4,047	4,718	4,090	4,766	4,300	4,981	4,345	5,029
2040	4,437	3,619	4,531	3,671	4,591	4,245	5,206	4,303	5,272
2050	4,465	3,292	4,390	3,355	4,465	4,402	5,617	4,479	5,707

Population aged 60-64 years (in 1,000s)

1990	423	423	423	423	423	423	423	423	423
2000	439	437	437	441	441	437	437	441	441
2010	610	602	605	614	616	602	605	614	616
2020	540	527	537	542	552	527	537	542	552
2030	592	565	591	587	614	565	591	587	614
2040	522	477	536	500	561	477	536	500	561
2050	546	479	576	506	607	479	576	506	607

Male population aged 80 years and over (in 1,000s)

1990	141	141	141	141	141	141	141	141	141
2000	182	172	172	191	191	172	172	191	191
2010	208	180	180	235	235	180	180	235	235
2020	243	194	194	293	293	194	194	293	293
2030	370	268	269	461	462	268	269	461	462
2040	431	268	271	568	574	268	271	568	574
2050	492	279	288	682	700	279	288	682	700

Female population aged 80 years and over (in 1,000s)

1990	257	257	257	257	257	257	257	257	257
2000	323	310	310	336	336	310	310	336	336
2010	365	327	327	401	401	327	327	401	401
2020	400	331	331	462	462	331	331	462	462
2030	555	426	427	655	656	426	427	655	656
2040	622	428	433	777	784	428	433	777	784
2050	686	445	459	888	909	445	459	888	909

Number of births (in 1,000s)

1990	116	116	116	116	116	116	116	116	116
2000	109	100	100	100	100	118	118	118	118
2010	91	72	78	72	78	104	112	104	112
2020	98	70	79	70	79	115	130	116	130
2030	95	61	74	61	74	114	136	115	136
2040	87	48	64	48	64	109	138	110	139
2050	87	42	61	43	61	114	151	116	152

SWEDEN (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

1990	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
2000	38.9	38.8	38.8	39.2	39.2	38.6	38.6	39.0	39.0
2010	40.3	40.6	40.1	41.5	40.9	39.6	39.1	40.5	39.9
2020	42.0	43.0	41.9	44.5	43.3	40.6	39.5	42.1	41.0
2030	43.2	44.8	43.2	47.3	45.5	40.7	39.4	43.2	41.6
2040	44.4	46.3	44.2	50.1	47.7	40.6	39.1	44.2	42.3
2050	45.2	47.7	45.2	52.6	49.6	40.4	38.8	44.9	42.8

Mean age of the female population (in years)

1990	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2000	41.6	41.5	41.5	41.8	41.8	41.3	41.3	41.6	41.6
2010	42.8	43.2	42.6	44.1	43.4	42.2	41.6	43.1	42.4
2020	44.5	45.6	44.3	47.0	45.7	43.2	42.0	44.6	43.4
2030	45.8	47.5	45.7	49.9	47.9	43.5	41.9	45.8	44.1
2040	47.0	49.2	46.8	52.7	50.1	43.4	41.6	46.8	44.7
2050	47.7	50.7	47.9	55.1	51.8	43.2	41.3	47.3	45.0

Proportion of children aged 0-19 years (in %)

1990	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2000	24.2	24.1	24.1	23.9	23.9	24.5	24.5	24.3	24.3
2010	24.2	23.2	23.7	22.7	23.1	25.4	25.8	24.8	25.3
2020	21.4	18.6	19.8	17.8	19.0	23.8	24.9	22.8	24.0
2030	20.8	16.9	18.4	15.8	17.2	24.3	25.6	22.9	24.3
2040	20.3	16.1	17.8	14.5	16.2	24.8	26.1	22.7	24.2
2050	19.4	14.6	16.7	12.6	14.8	24.5	25.9	21.9	23.6

Proportion of working age population aged 20-59 years (in %)

1990	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2000	53.3	53.6	53.6	53.2	53.2	53.4	53.4	53.0	53.0
2010	49.6	50.7	51.1	49.7	50.1	49.3	49.6	48.3	48.7
2020	49.9	52.1	52.9	50.2	51.0	49.0	49.7	47.3	48.0
2030	47.8	50.4	52.0	47.2	49.0	47.0	48.3	44.3	45.9
2040	46.7	49.0	51.4	44.1	47.0	46.8	48.5	43.0	45.1
2050	47.5	49.4	51.8	43.0	46.2	48.9	50.2	44.1	46.0

Proportion of elderly aged 60 years and over (in %)

1990	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
2000	22.5	22.2	22.2	22.8	22.8	22.1	22.1	22.7	22.7
2010	26.1	26.1	25.3	27.7	26.8	25.4	24.6	26.9	26.1
2020	28.7	29.3	27.4	32.0	30.0	27.2	25.5	29.9	28.0
2030	31.5	32.7	29.6	37.1	33.7	28.7	26.0	32.8	29.9
2040	33.0	34.9	30.8	41.4	36.8	28.4	25.4	34.4	30.8
2050	33.2	36.0	31.5	44.3	39.0	26.6	23.9	34.0	30.4

Proportion of population aged 80 & over in population 60 & over (in %)

1990	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2000	25.1	24.5	24.5	25.8	25.8	24.5	24.5	25.8	25.8
2010	23.9	22.1	22.1	25.6	25.5	22.1	22.1	25.6	25.5
2020	24.0	21.2	21.0	26.6	26.4	21.2	21.0	26.6	26.4
2030	30.9	26.4	25.9	34.7	34.1	26.4	25.9	34.7	34.1
2040	33.5	27.0	25.9	39.1	37.8	27.0	25.9	39.1	37.8
2050	37.8	30.2	28.0	45.4	42.6	30.2	28.0	45.4	42.6

UNITED KINGDOM

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Total Population Size (in 1,000s)

1990	57,373	57,373	57,373	57,373	57,373	57,373	57,373	57,373	57,373
2000	59,756	59,311	59,311	59,904	59,904	59,642	59,642	60,235	60,235
2010	60,978	58,616	59,896	60,149	61,428	60,446	61,761	61,982	63,298
2020	62,010	56,897	59,618	59,604	62,331	61,442	64,364	64,168	67,097
2030	62,554	54,228	58,488	58,319	62,613	62,154	66,899	66,291	71,073
2040	62,229	50,349	56,223	55,920	61,891	62,254	69,054	67,921	74,822
2050	61,258	45,435	52,906	52,548	60,231	62,000	71,025	69,284	78,534

Population aged 20-59 years (in 1,000s)

1990	30,809	30,809	30,809	30,809	30,809	30,809	30,809	30,809	30,809
2000	32,393	32,361	32,361	32,427	32,427	32,361	32,361	32,427	32,427
2010	32,635	32,151	32,948	32,311	33,108	32,151	32,948	32,311	33,108
2020	32,746	31,577	33,288	31,840	33,555	31,904	33,616	32,169	33,884
2030	30,419	27,933	30,715	28,232	31,028	29,748	32,565	30,056	32,888
2040	29,631	25,232	29,003	25,567	29,368	29,742	33,711	30,113	34,113
2050	28,547	22,040	26,584	22,410	26,993	29,888	34,913	30,343	35,412

Population aged 60-64 years (in 1,000s)

1990	2,887	2,887	2,887	2,887	2,887	2,887	2,887	2,887	2,887
2000	2,849	2,832	2,832	2,867	2,867	2,832	2,832	2,867	2,867
2010	3,746	3,688	3,698	3,786	3,796	3,688	3,698	3,786	3,796
2020	3,808	3,707	3,748	3,849	3,890	3,707	3,748	3,849	3,890
2030	4,366	4,198	4,305	4,393	4,503	4,198	4,305	4,393	4,503
2040	3,419	3,197	3,440	3,360	3,613	3,197	3,440	3,360	3,613
2050	3,793	3,464	3,862	3,658	4,076	3,464	3,862	3,658	4,076

Male population aged 80 years and over (in 1,000s)

1990	615	615	615	615	615	615	615	615	615
2000	770	724	724	824	824	724	724	824	824
2010	1,013	857	857	1,172	1,172	857	857	1,172	1,172
2020	1,240	943	943	1,550	1,550	943	943	1,550	1,550
2030	1,779	1,253	1,256	2,329	2,333	1,253	1,256	2,329	2,333
2040	2,317	1,508	1,520	3,155	3,177	1,508	1,520	3,155	3,177
2050	3,163	1,878	1,914	4,343	4,409	1,878	1,914	4,343	4,409

Female population aged 80 years and over (in 1,000s)

1990	1,456	1,456	1,456	1,456	1,456	1,456	1,456	1,456	1,456
2000	1,673	1,597	1,597	1,761	1,761	1,597	1,597	1,761	1,761
2010	1,977	1,748	1,748	2,194	2,194	1,748	1,748	2,194	2,194
2020	2,224	1,816	1,816	2,615	2,615	1,816	1,816	2,615	2,615
2030	2,932	2,277	2,281	3,560	3,566	2,277	2,281	3,560	3,566
2040	3,616	2,644	2,664	4,526	4,553	2,644	2,664	4,526	4,553
2050	4,594	3,187	3,244	5,853	5,937	3,187	3,244	5,853	5,937

Number of births (in 1,000s)

1990	788	788	788	788	788	788	788	788	788
2000	710	646	646	646	646	774	774	774	774
2010	647	515	538	516	539	750	784	751	784
2020	652	471	508	472	509	789	849	791	851
2030	602	394	446	395	448	762	850	765	853
2040	568	324	390	326	392	765	885	770	890
2050	551	279	354	281	357	780	929	787	935

UNITED KINGDOM (continued)

				Scenario					
	0	1	2	3	4	5	6	7	8
Fertility	med	low	low	low	low	high	high	high	high
Mortality	med	high	high	low	low	high	high	low	low
Migration	med	low	high	low	high	low	high	low	high

Mean age of the male population (in years)

	0	1	2	3	4	5	6	7	8
1990	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
2000	37.1	37.0	37.0	37.4	37.4	36.8	36.8	37.2	37.2
2010	39.0	39.2	38.9	40.1	39.8	38.1	37.8	39.0	38.7
2020	40.9	41.7	41.0	43.2	42.5	39.2	38.6	40.7	40.1
2030	42.7	44.1	43.1	46.4	45.4	40.0	39.1	42.3	41.4
2040	44.3	46.3	44.9	49.6	48.1	40.4	39.5	43.6	42.5
2050	45.5	47.9	46.2	52.4	50.5	40.3	39.3	44.5	43.2

Mean age of the female population (in years)

	0	1	2	3	4	5	6	7	8
1990	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
2000	40.0	40.0	40.0	40.3	40.3	39.8	39.8	40.1	40.1
2010	41.7	41.9	41.6	42.8	42.4	40.9	40.5	41.8	41.4
2020	43.5	44.4	43.6	45.8	45.1	41.9	41.2	43.3	42.6
2030	45.3	46.9	45.8	49.0	47.8	42.8	41.8	44.9	43.8
2040	47.0	49.3	47.7	52.2	50.6	43.3	42.2	46.2	44.9
2050	48.2	51.1	49.2	55.1	52.9	43.3	42.1	47.0	45.5

Proportion of children aged 0-19 years (in %)

	0	1	2	3	4	5	6	7	8
1990	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2000	25.6	25.5	25.5	25.3	25.3	25.9	25.9	25.7	25.7
2010	23.9	22.8	23.1	22.3	22.6	25.2	25.5	24.6	24.9
2020	21.6	18.9	19.6	18.1	18.8	24.4	25.0	23.4	24.1
2030	20.8	17.0	17.9	15.9	16.8	24.7	25.5	23.3	24.1
2040	19.8	15.6	16.7	14.1	15.3	24.5	25.4	22.6	23.6
2050	19.0	14.4	15.7	12.5	13.9	24.6	25.5	22.2	23.3

Proportion of working age population aged 20-59 years (in %)

	0	1	2	3	4	5	6	7	8
1990	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
2000	54.2	54.6	54.6	54.1	54.1	54.3	54.3	53.8	53.8
2010	53.5	54.9	55.0	53.7	53.9	53.2	53.3	52.1	52.3
2020	52.8	55.5	55.8	53.4	53.8	51.9	52.2	50.1	50.5
2030	48.6	51.5	52.5	48.4	49.6	47.9	48.7	45.3	46.3
2040	47.6	50.1	51.6	45.7	47.5	47.8	48.8	44.3	45.6
2050	46.6	48.5	50.2	42.6	44.8	48.2	49.2	43.8	45.1

Proportion of elderly aged 60 years and over (in %)

	0	1	2	3	4	5	6	7	8
1990	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2000	20.2	19.9	19.9	20.6	20.6	19.8	19.8	20.5	20.5
2010	22.6	22.3	21.9	24.0	23.5	21.6	21.2	23.3	22.8
2020	25.6	25.6	24.5	28.4	27.3	23.7	22.7	26.4	25.4
2030	30.6	31.5	29.6	35.7	33.6	27.5	25.8	31.4	29.6
2040	32.6	34.3	31.7	40.1	37.3	27.7	25.8	33.0	30.8
2050	34.4	37.1	34.0	44.8	41.2	27.2	25.3	34.0	31.6

Proportion of population aged 80 & over in population 60 & over (in %)

	0	1	2	3	4	5	6	7	8
1990	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2000	20.2	19.6	19.6	20.9	20.9	19.6	19.6	20.9	20.9
2010	21.7	19.9	19.9	23.4	23.3	19.9	19.9	23.4	23.3
2020	21.9	19.0	18.9	24.6	24.5	19.0	18.9	24.6	24.5
2030	24.6	20.7	20.5	28.3	28.0	20.7	20.5	28.3	28.0
2040	29.2	24.0	23.5	34.2	33.5	24.0	23.5	34.2	33.5
2050	36.8	30.0	28.6	43.3	41.6	30.0	28.6	43.3	41.6