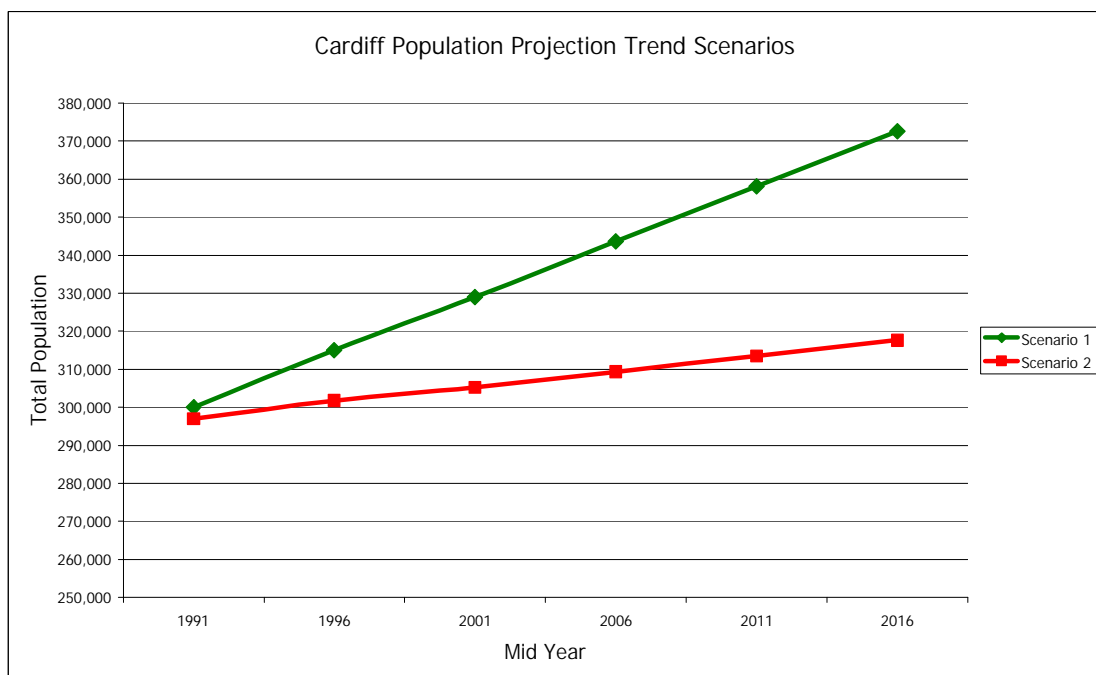


5.1.6 Population Projections

Planning for the provision of health and social care will require a thorough and confident prediction of demographic and epidemiological trends and projections. The uncertainty over the current population levels in Cardiff and the demographic trends, over the past 10 years and more, make trend based population projections subject to significant variance, depending upon which trend is projected forward in time. The two trend scenario's from 1991 to 2001, identified in the previous section (Demographic Trends) have been projected from 2001 to 2016 in the figure below:



Scenario 1 represents a continuation of the significant growth that had been presumed Cardiff was experiencing throughout the 1990's. In this scenario total population growth is almost 1% per annum at 13.3% for the period 2001-2016. This increase is fuelled not only by natural growth (more births than deaths) but by positive net migration.

Scenario 2 represents a projection of the revised population trend for Cardiff published by ONS in February 2003. This projected population scenario is fuelled by natural growth alone. Net out-migration in this scenario restricts total population growth to just 4.1% over the 15 years from 2001 to 2016.

Each scenario represents a significantly different impact in terms of the level of public and private sector service provision and investment required in Cardiff, not least in terms of dwelling requirement to meet the demand created by population growth and smaller average household size. In terms of health and social care provision, the uncertainties of which projection scenario to plan for are imponderables that the Local Authority and Local Health Board can ill afford.

Projected Future Short-Term Population Growth by Locality Area

In terms of a crude population growth estimate - made by summing the projected supply of new residential dwellings over and above the dwelling stock in 2001, and assuming a Cardiff wide dwelling vacancy rate of approximately 2% - it can be expected that 2/3rds will take place in the South East area alone. However should there be another vast expansion of places in the higher education sector as there was in the early 1990's then additional population growth may occur for those aged 18 plus in halls of residence and other student accommodation, as yet not built, outside the private household dwelling stock. It can be safely assumed that any such growth would occur in the Central area of the City. See Table below:

Crude Total Population Growth Estimate for Cardiff 2001-2007 (Population Growth in Private Households Only)		
Area	Crude Total Population Growth Estimate [1]	% Share
Central	1,620	8.9
South East	11,100	61.8
West	2,800	15.6
North	2,450	13.6
Cardiff Total	17,950	100.0

Source: CRC Note: [1] This estimate does not include any population growth arising from the development of new residential properties that are built as a result of 'windfall sites' as defined in land use planning terms.

Population Projection for Cardiff 2006, 2011 & 2016

Population projections for Cardiff, from a 2001 base year population of approximately 330,000 were produced in May 2002 by CRC. These projections were largely trend based projections from published figures, amended slightly by a 'policy' intervention for the period 2011 – 2016 whereby the net migration assumption was reduced slightly. The following table highlights the projected population figures for the years 2006, 2011 and 2016. It should be noted that these figures are not officially adopted by Cardiff Council or any other body at the time of writing, but should be seen as indicative only of a particular trend/policy scenario.

	Projected New Population 2006		
Age Groups	Male	Female	Total
0 to 4	10,392	9,851	20,243
5 to 9	11,511	10,775	22,286
10 to 14	10,904	10,338	21,242
15 to 19	14,357	15,217	29,574
20 to 24	15,679	14,308	29,987
25 to 29	8,225	7,834	16,059
30 to 34	11,261	11,763	23,024
35 to 39	14,029	13,258	27,287
40 to 44	13,430	12,607	26,037
45 to 49	12,202	11,101	23,303
50 to 54	10,790	9,808	20,598
55 to 59	9,755	9,157	18,912
60 to 64	8,003	7,915	15,918
65 to 69	6,454	6,460	12,914
70 to 74	5,159	5,789	10,948
75 to 79	3,996	5,199	9,195
80 to 84	2,670	4,214	6,884
85 to 89	1,260	2,631	3,891
90 plus	474	1,453	1,927
Total	170,551	169,678	340,229

	Projected New Population 2011		
Age Groups	Male	Female	Total
0 to 4	9,316	8,828	18,144
5 to 9	11,027	10,248	21,275
10 to 14	11,796	10,957	22,753
15 to 19	14,629	15,399	30,028
20 to 24	18,455	17,605	36,060
25 to 29	10,196	7,760	17,956
30 to 34	7,228	6,984	14,212
35 to 39	11,730	11,938	23,668
40 to 44	13,971	13,472	27,443
45 to 49	13,526	12,859	26,385
50 to 54	12,062	11,307	23,369
55 to 59	10,812	10,127	20,939
60 to 64	9,671	9,483	19,154
65 to 69	7,568	7,581	15,149
70 to 74	5,473	5,879	11,352
75 to 79	3,905	4,875	8,780
80 to 84	2,581	3,839	6,420
85 to 89	1,330	2,645	3,975
90 plus	473	1,533	2,006
total	175,749	173,319	349,068

	Projected New Population 2016		
Age Groups	Male	Female	Total
0 to 4	8,581	8,142	16,723
5 to 9	9,735	9,089	18,824
10 to 14	11,214	10,367	21,581
15 to 19	14,272	14,328	28,600
20 to 24	17,343	16,984	34,327
25 to 29	14,770	13,227	27,997
30 to 34	9,511	7,188	16,699
35 to 39	7,542	7,103	14,645
40 to 44	11,635	12,069	23,704
45 to 49	13,985	13,606	27,591
50 to 54	13,346	12,938	26,284
55 to 59	11,939	11,437	23,376
60 to 64	10,549	10,229	20,778
65 to 69	9,027	9,057	18,084
70 to 74	6,461	6,922	13,383
75 to 79	4,175	4,982	9,157
80 to 84	2,531	3,637	6,168
85 to 89	1,283	2,411	3,694
90 plus	496	1,567	2,063
Total	178,395	175,283	353,678

Source: CRC May 2002

