

Skye and Lochalsh

Population and demography

Paper 1 of a population needs assessment for Skye and Lochalsh

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Skye and Lochalsh Population Needs Assessment

This is the first report in a series that will contribute to a population needs assessment in relation to adult health and social care services for Skye and Lochalsh. Reference is also made to the area of South West Ross that includes Lochcarron.

A pre-requisite of any assessment of the health and health and care needs of a population is an understanding of its size and characteristics. This first report therefore reviews the demography and population dynamics of the area using available population estimates and projections.

A subsequent series of reports are planned that will look at area deprivation, morbidity, mortality and the implications for health and social care services. Specific work is also planned about the seasonal population of the area.

Further details of future reports are available in the Project Initiation Document (PID).

The timescale for the epidemiological and comparative part of the needs assessment is from April to June 2019.

The report provides:

- An overview of recent and projected population changes in the Skye and Lochalsh area
- Evidence of population growth in both remote rural and the more urban parts of the area
- Projections that there will be a large increase in the numbers of oldest old residents over the next twenty years while at the same time the population of working age further declines
- Evidence for those commissioning and providing health and social care services that peak population ageing in the area has not been reached

The key messages are:

Population growth

The population of the Skye and Lochalsh area is projected to continue to increase over the next 25 years by nearly 12 percent from 13,100 people to 14,700.

Population growth is dependent upon assumptions of net migration gain.

Following current trends, further population growth would be primarily anticipated to occur on Skye.

Recent population growth has occurred in remote rural areas of the Island and within the urban area of Portree.

No large scale housing development is anticipated in the area up to 2035.

Population ageing

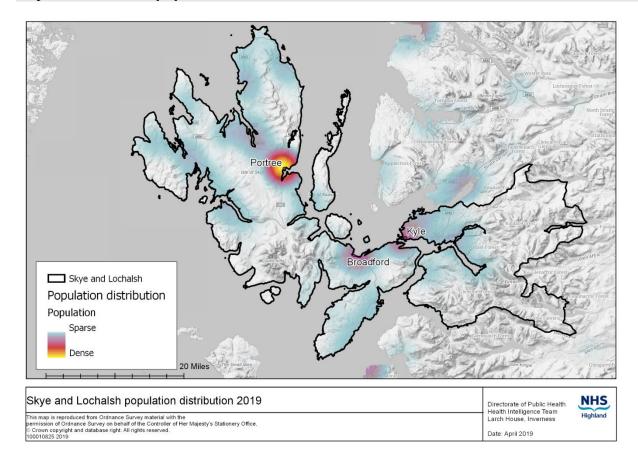
The population aged over 75 years living in Skye and Lochalsh is anticipated to increase by nearly 150% to over 3,000 people by 2041 – 1 in 5 of the total population.

There are projected to be 470 people aged over 90 years old living in the area by 2041 - currently there are 130.

The oldest elderly are the fastest growing age group in Highland and have a substantial risk of requiring long-term care.

The pattern of population ageing highlighted in this report has implications for a range of community services including General Practice, Health Visitors, Community Nurses, Social Care, End of Life care and Allied Health Professionals. Increasing population demand for primary care can also transfer into increased demand for out-of-hours care, acute hospital beds and emergency services.

Skye and Lochalsh population distribution



Settlements

National Records of Scotland (NRS) defines settlements as populated, built up areas with a group of high density postcodes whose combined population rounds to 500 people or more¹. In Skye and Lochalsh 32 percent of the population live within one of the three NRS defined settlements (Broadford, Kyle of Lochalsh and Portree) in 2016. This is similar to the sparser distribution of communities on the Western Isles and Shetland where 30 percent and 38 respectively percent live within settlements. In Highland HSCP 69 percent of the population live within settlements while in Scotland as a whole this is 90 percent.

Table 1: Settlements in Skye and Lochalsh by broad age group, 2016

Settlement	Popu	lation	Age Group (2016)			Proportion (2016)		
2003 2016		Under 16	16 to 64	65 & over	Under 16	16 to 64	65 & over	
Broadford	570	1,110	170	692	248	15%	62%	22%
Kyle of Lochalsh	750	650	114	417	119	18%	64%	18%
Portree	1,920	2,480	437	1,545	498	18%	62%	20%

Data source: National Records of Scotland mid-2016 population estimates for Settlements and Localities in Scotland¹

Population Estimates

On 30 June 2017, the population of Skye and Lochalsh was estimated to be 13,143. This is an increase of 8 percent from 12,156 in 2001 (Figure 1). Over the same period, the population of Highland Health and Social Care Partnership (HSCP) increased by 13 percent and Scotland by 7 percent (Figure 2).

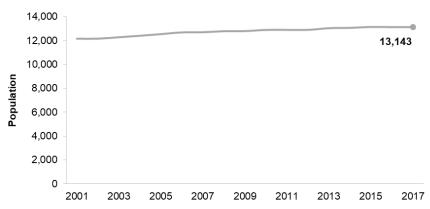
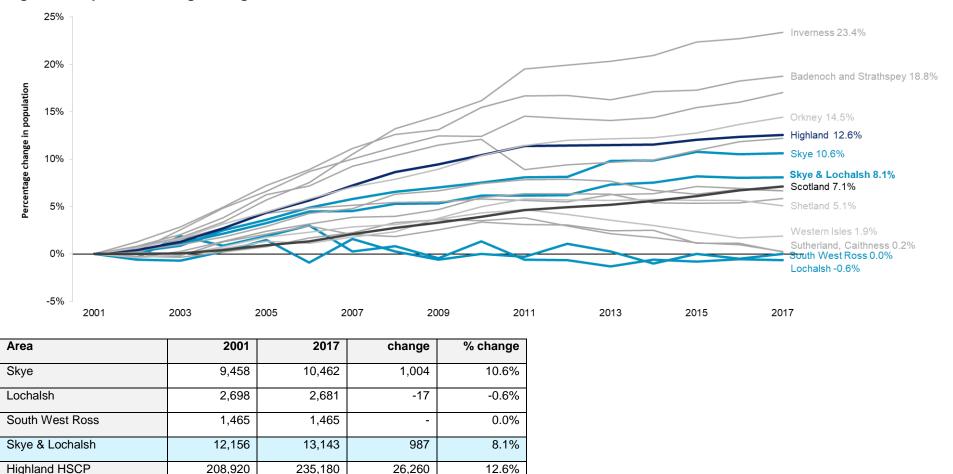


Figure 1: Skye and Lochalsh population 2001 to 2017

Data source: National Records of Scotland, Small Area Population Estimates (SAPE) - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit^{2,3}.





Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

7.1%

360,600

5,064,200

5,424,800

Scotland

Long-term demographic trends result in population ageing in which older individuals make up a proportionally larger share of the total population over time. This sequence of population changes began with a decrease in the proportion of young people and an increase in the number of the working age group (aged 16-64 years). Over time the larger cohorts at working age have themselves aged and have been replaced by smaller numbers of people.

Figure 3 below illustrates the top heavy age structure of the Skye and Lochalsh population in 2017. Peak ageing has not yet been reached as there is a large cohort currently aged 50-69 years. In 2017, there were more females (50.6%, N=6,650) than males (49.4%, N=6,493) living in Skye and Lochalsh, a similar pattern to Highland HSCP (51% female and 49% male).

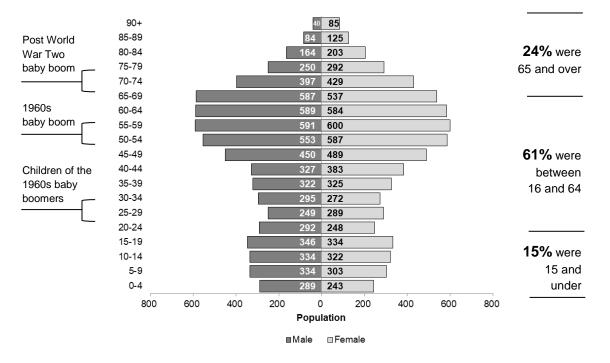
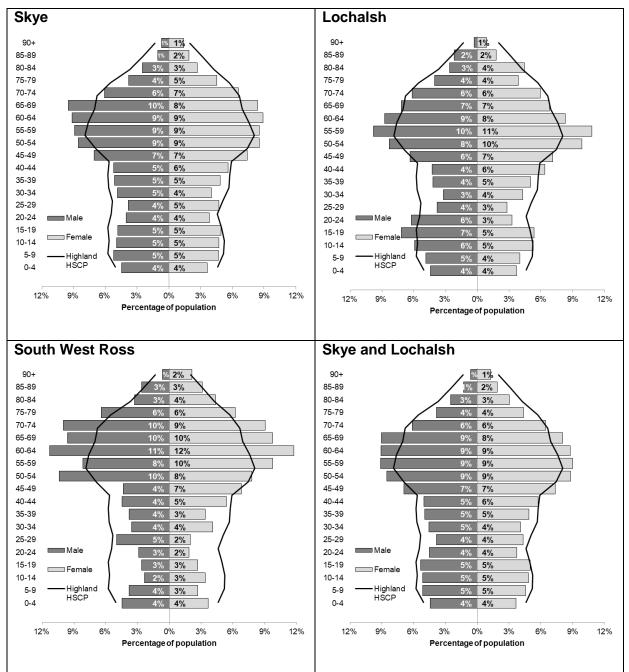


Figure 3: Skye and Lochalsh population estimate by 5 year age band and gender, 2017

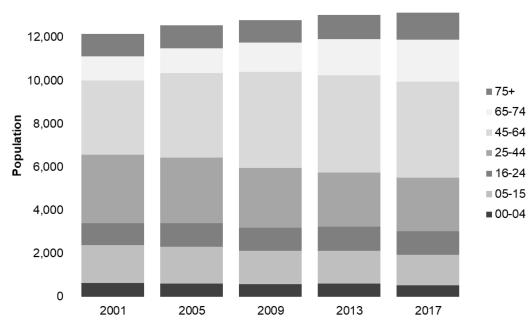


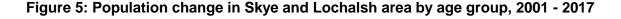
Figure 4 compares the local population structures to Highland HSCP. There is a higher proportion of people aged between 45 and 70 years, in particular males, living in Skye and Lochalsh and South West Ross than in Highland HSCP area. The narrow population pyramid 'waists' reveal very few people in younger working ages as a consequence of out migration. These geographical areas therefore depend on an older age population to provide the workforce.



Data source: National Records of Scotland, mid-2017 population estimates Scotland (council areas tables)⁶ and mid-2017 Small Area Population Estimates (SAPE) for 2011 Data Zones⁵ - best fit by data zone to local areas.

This section looks at the Skye, Lochalsh and South West Ross changing age structure over time and then how this compares to other areas. Figure 5 and the supporting table show a 76.5 percent increase in the 65-74 age group in Skye and Lochalsh between 2001 and 2017. There was a more modest 20 percent growth of the 75 years and over population, alongside a 29 percent increase in those aged 45-64 years.





14,000

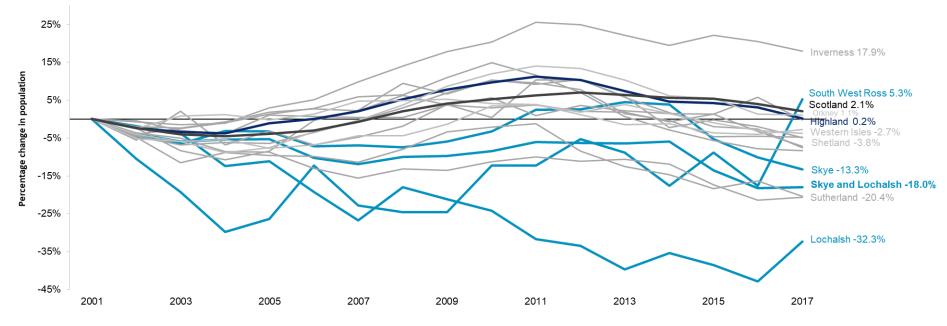
Age group	2001	2005	2009	2013	2017	% change 2001-2017
75+	1,035	1,048	1,038	1,133	1,243	20.1%
65-74	1,105	1,146	1,361	1,666	1,950	76.5%
45-64	3,435	3,925	4,438	4,501	4,443	29.3%
25-44	3,179	3,038	2,776	2,514	2,462	-22.6%
16-24	1,002	1,091	1,059	1,118	1,094	9.2%
05-15	1,751	1,689	1,549	1,511	1,419	-19.0%
00-04	649	615	586	607	532	-18.0%
All	12,156	12,552	12,807	13,050	13,143	8.1%

Data source: National Records of Scotland, Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

The following graphics compare the changing age structure of Skye, Lochalsh and South West Ross populations to other areas in Highland, the three Island Boards and to Scotland. It is worth noting the some changes, e.g. in South West Ross, are based on very low numbers.

The Skye and Lochalsh pre-school population decreased by 18 percent from 2001 to 2017, most of this reduction was from 2014. In Highland HSCP this cohort increased to 2011 but returned to a similar size as in 2001 by 2017 (Figure 6).

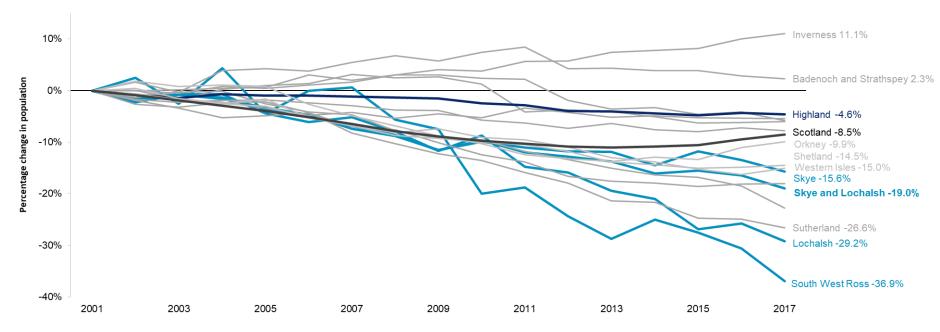
Figure 6: Change in the population aged 00-04 years from 2001 to 2017

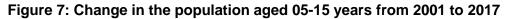


Area	2001	2017	change	% change
Skye	488	423	-65	-13.3%
Lochalsh	161	109	-52	-32.3%
South West Ross	57	60	3	5.3%
Skye & Lochalsh	649	532	-117	-18.0%
Highland HSCP	11,349	11,376	27	0.2%
Scotland	276,261	282,106	5845	2.1%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

Skye and Lochalsh has seen a larger steady decrease (-19%) in school age population than Highland, the Island Boards and Scotland from 2001 to 2017 (Figure 7).





Area	2001	2017	change	% change
Skye	1,323	1,116	-207	-15.6%
Lochalsh	428	303	-125	-29.2%
South West Ross	160	101	-59	-36.9%
Skye & Lochalsh	1,751	1,419	-332	-19.0%
Highland HSCP	29,540	28,179	-1,361	-4.6%
Scotland	694,113	635,336	-58,777	-8.5%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

The 16-24 year old cohort on Skye and Lochalsh has increased by 92 (9%) in the sixteen years to 2017, the majority of this took place in the five years to 2006. The overall percentage change is similar to the remainder of Highland and nationally (Figure 8).

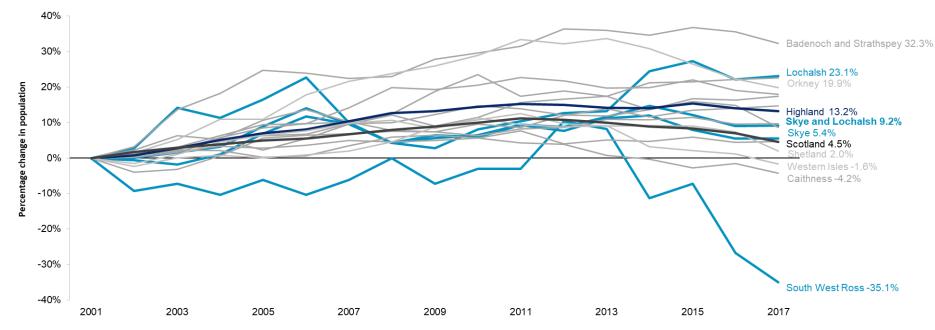


Figure 8: Change in the population aged 16-24 years from 2001 to 2017

Area	2001	2017	change	% change
Skye	790	833	43	5.4%
Lochalsh	212	261	49	23.1%
South West Ross	97	63	-34	-35.1%
Skye & Lochalsh	1,002	1,094	92	9.2%
Highland HSCP	19,312	21,852	2,540	13.2%
Scotland	567,623	593,361	25,738	4.5%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

Skye and Lochalsh, along with Sutherland and the Western Isles have seen a larger decrease (-23%) in the younger working age population (aged 25-44 years) from 2001 to 2017 than the rest of Highland and nationally. This decline has been consistent over these sixteen years (Figure 9).

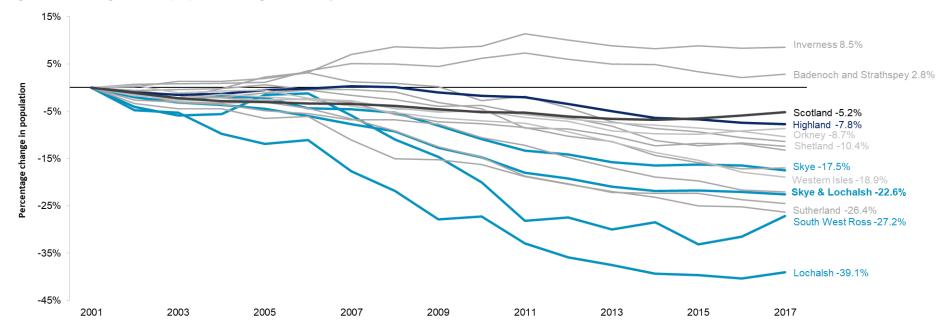


Figure 9: Change in the population aged 25-44 years from 2001 to 2017

Area	2001	2017	change	% change
Skye	2,429	2,005	-424	-17.5%
Lochalsh	750	457	-293	-39.1%
South West Ross	320	233	-87	-27.2%
Skye & Lochalsh	3,179	2,462	-717	-22.6%
Highland HSCP	57,208	52,773	-4,435	-7.8%
Scotland	1,478,242	1,401,414	-76,828	-5.2%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

The change in the middle aged (45-64 years old) population size has been slightly higher in Skye and Lochalsh compared to Highland HSCP as a whole and nationally (Figure 10).

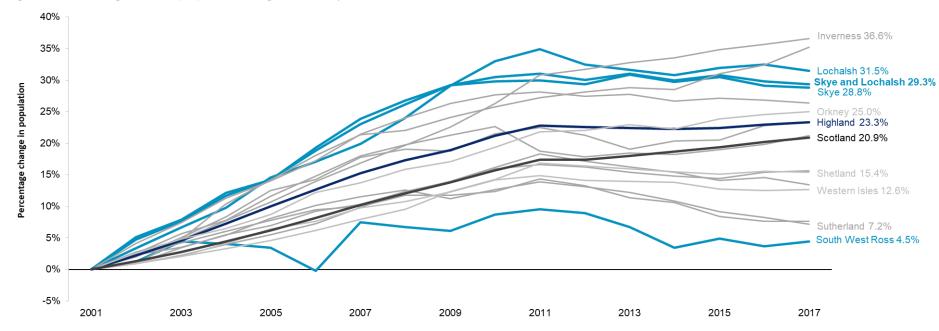
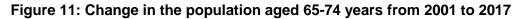


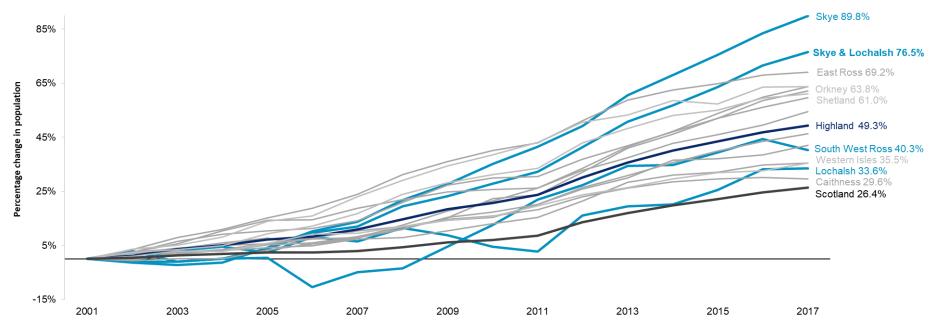
Figure 10: Change in the population aged 45-64 years from 2001 to 2017

Area	2001	2017	change	% change
Skye	2,727	3,512	785	28.8%
Lochalsh	708	931	223	31.5%
South West Ross	493	515	22	4.5%
Skye & Lochalsh	3,435	4,443	1,008	29.3%
Highland HSCP	56,721	69,961	13,240	23.3%
Scotland	1,240,780	1,500,016	259,236	20.9%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

Skye's steady expansion of the 65-74 year old population (90%) has been considerably higher than the remainder of Highland, Scotland and the Island Boards (Figure 11).





Area	2001	2017	change	% change
Skye	843	1600	757	89.8%
Lochalsh	262	350	88	33.6%
South West Ross	201	282	81	40.3%
Skye & Lochalsh	1,105	1,950	845	76.5%
Highland HSCP	19,457	29,059	9,602	49.3%
Scotland	446,642	564,596	117,954	26.4%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

South West Ross and Lochalsh had large increases in the over 75 population during the previous 16 years while Skye has had one of the smallest growths in the over 75 age group. The result is 200 more people in this age group now living in Skye and Lochalsh than in 2001 (Figure 12).

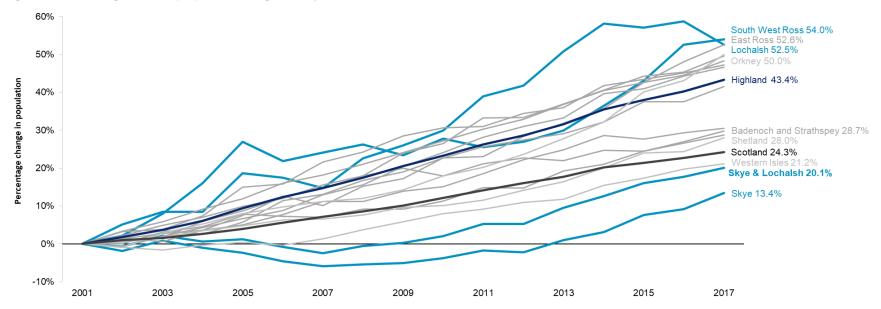


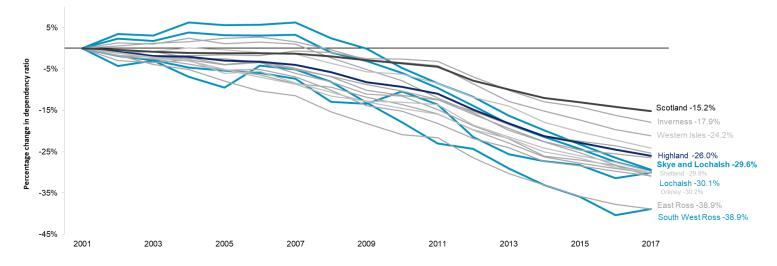
Figure 12: Change in the population aged 75 years and over from 2001 to 2017

Area	2001	2017	change	% change
Skye	858	973	115	13.4%
Lochalsh	177	270	93	52.5%
South West Ross	137	211	74	54.0%
Skye & Lochalsh	1,035	1,243	208	20.1%
Highland HSCP	15,333	21,980	6,647	43.4%
Scotland	360,539	447,971	87,432	24.3%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

An old age dependency measure shows the ratio of people aged 16-64 years of age, who are assumed to be economically active, compared to older people (old age dependency ratio = population aged 16-64 / population aged 65+). In Skye and Lochalsh there were 2.5 working age people to every person aged over 65 in 2017. This reflects Highland's old age ratio (2.8) of proportionally less working age population to support those aged 65 and over than that nationally (3.4). Figure 13 and the supporting table show how this has fallen in Highland areas, Island Boards and Scotland over the sixteen years from 2001.

Figure 13: Changing dependency ratios from 2001 to 2017



Area	2001	2017	change	% change
Skye	3.50	2.47	-1.03	-29.4%
Lochalsh	3.80	2.66	-1.14	-30.1%
South West Ross	2.69	1.65	-1.05	-38.9%
Skye & Lochalsh	3.56	2.51	-1.05	-29.6%
Highland HSCP	3.83	2.83	-1.00	-26.0%
Scotland	4.07	3.45	-0.62	-15.2%

Data source: National Records of Scotland, mid-year population estimates⁴ and Small Area Population Estimates (SAPE)^{2,3} - best fit by data zone to local areas. 2001-2010 based on 2001 data zones best fit and 2011 onwards based on 2011 data zones best fit.

Skye and Lochalsh General Practice Populations

Figure 14 and the supporting table shows population change by registered GP practice in Skye and Lochalsh. The population registered long-term with general practices in the Skye and Lochalsh area increased by 8.8 percent over the period (2002-2019). The practice population change is similar to the pattern of area level growth shown in Figure 1.

The data in Figure 14 does not include temporary residents who register for under 3 months. Temporary residents may include UK and overseas tourists, members of Gypsy/Traveller communities and people from seasonal workforces (usually young with an acute episode of illness or injury).

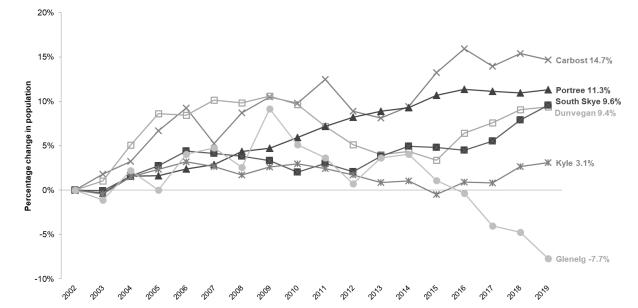


Figure 14: Skye and Lochalsh GP practice population changes 2002 to 2019

GP Practice	2002	2006	2010	2014	2017	2019	Change 2002-2019	% Change 2002-2019
Carbost	552	603	606	604	629	633	81	14.7%
Dunvegan	1,597	1,732	1,751	1,667	1,718	1,747	150	9.4%
Portree	4,893	5,011	5,184	5,349	5,439	5,447	554	11.3%
South Skye	2,573	2,687	2,625	2,700	2,715	2,819	246	9.6%
Kyle	2,538	2,619	2,613	2,565	2,559	2,617	79	3.1%
Glenelg	273	284	287	284	262	252	-21	-7.7%
	12,426	12,936	13,066	13,169	13,322	13,515	1,089	8.8%

Data source: Community Health Index (CHI) GP Practice registered populations at April– NHS Highland data held locally

The growth in the Portree practice population followed a consistent upward trend from 2005 until 2016. From this point, the practice size has remained relatively constant. The increase noted in the South Skye practice has occurred more recently. Dunvegan has increased from 2015 following a drop in registrations from 2009. The percentage change in the list size of the Glenelg is notable from 2016 but the absolute numbers are small. The population registered with the Kyle practice has been stable over time. The list size of the Carbost practice shows an increase over the period, but there have been periods when the registered population decreased. The list size has been consistently over 600 people since 2008.

Figure 30 in <u>Appendix 1</u> demonstrates an aging population throughout Skye and Lochalsh which is more advanced in the South Skye and Lochalsh practices.

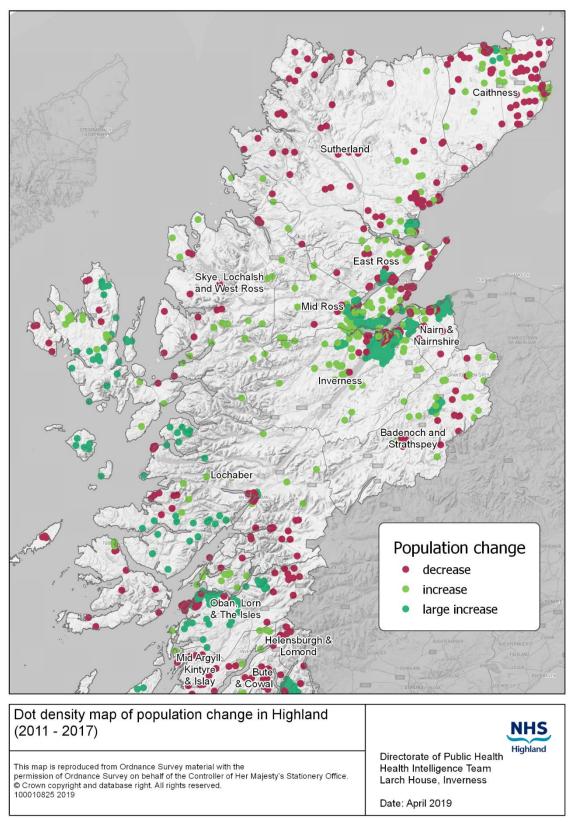
Small area populations: patterns of change 2011 - 2017

This section describes the main patterns of small area population change from 2011 to 2017 in the Skye and Lochalsh area. During these years the population of this area increased by 1.8 percent to 13,140 people. In the same period the population of the Highland Health and Social Care Partnership increased by 1.1 percent. This growth was unevenly distributed across Highland (Map 1,Table 2 and Figure 2).

			Population (2011-2		Number Percenta of small areas		age of data a population	
	2011	2017	Number of people	Percent	(data zones)	Falling	Growing 0%-10%	Growing 10%+
Badenoch and Strathspey	13,592	13,838	246	1.8	17	47.1	47.1	5.9
Caithness	26,533	25,615	-918	-3.5	38	76.3	21.1	2.6
East Ross	22,422	22,176	-246	-1.1	30	60.0	33.3	6.7
Inverness	78,773	81,346	2573	3.3	103	50.5	36.9	12.6
Lochaber	19,988	19,894	-94	-0.5	27	59.3	37.0	3.7
Mid Ross	25,939	26,727	788	3.0	33	39.4	48.5	12.1
Nairn & Nairnshire	13,041	13,325	284	2.2	18	61.1	22.2	16.7
Sutherland	13,276	12,905	-371	-2.8	20	70.0	25.0	5.0
Skye, Lochalsh and West Ross	19,166	19,354	188	1.0	26	34.6	65.4	0
Slave	10,226	10,462	236	2.3	13	30.8	69.2	0
Skye			-1	2.3				0
Lochalsh Skye &	2,682	2,681	-		4	25.0	75.0	
Lochalsh	12,908	13,143	235	1.8	17	29.4	70.6	0
South West Ross	1,461	1,465	4	0.3	2	50.0	50.0	0
North West Ross	4,797	4,746	-51	-1.1	7	42.9	57.1	0
Skye, Lochalsh and South West Ross	14,369	14,608	239	1.7	19	31.6	68.4	0
Highland	232,730	235,180	2450	1.1	312	54.5	37.2	8.3

 Table 2: Population change 2011 - 2017 by Highland Community Partnership area and in the areas of Skye. Lochalsh and South West Ross

Data source: National Records of Scotland Small Area Population Estimates (2011-2017)²





April 2019

¹ The categories are based upon the annual growth rate of the population over the six year period. Red areas have lost population, while green areas saw population increase. Darker green areas had population growth of more than 1.25 percent per year.

The dot density maps provide a visual impression of population change by data zone area. The categories are based upon the annual growth rate of the population over the six year period. Red areas have lost population, while green areas saw population increase. Darker green areas had population growth of more than 1.25 percent per year. Dots are placed randomly within data zones and each represents a single person joining or leaving the population in a year. At small map scales these points may overlap.

Table 3 and map 2 provide more detail of the change in the population within the Skye and Lochalsh area in the period. At data zone level, the absolute scale change in population numbers is small varying from a gain of 60 people in 6 years to a loss of 40.

The growth in the population in the period largely resulted from the net gain of an average of 40 people a year on Skye.

- Four areas have a population growth rate of over 1 percent per year in the period. All these data zones are on Skye.
- Most other areas show slower rates of growth or little change in population numbers over the period.
- The population of the Applecross, Shieldaig and Torridon area had the highest rate of population decline of the SLSWR areas.

The table highlights that population loss in remote rural areas is not inevitable.

			Population			change 2011- 017
Area	Data zone	Data zone name	2011	2017	Number	Percentage
Skye	S01010675	Skye West	617	677	60	9.7
Skye	S01010678	Skye North East	626	678	52	8.3
Skye	S01010677	Skye East & Raasay	502	541	39	7.8
Skye	S01010682	Skye Central North	973	1042	69	7.1
South West Ross	S01010689	Lochcarron	751	795	44	5.9
Skye	S01010681	Portree North	1132	1186	54	4.8
Skye	S01010680	Portree West	611	635	24	3.9
Skye	S01010676	Sleat	915	925	10	1.1
Skye	S01010684	Dunvegan & Waternish	766	771	5	0.7
Lochalsh	S01010670	Balmacara & Dornie	689	693	4	0.6
Lochalsh	S01010671	Plockton & Achmore	746	749	3	0.4
Skye	S01010674	Skye South East	938	941	3	0.3
Lochalsh	S01010669	Glenshiel & Glenelg	603	604	1	0.2
Skye	S01010673	Broadford	948	944	-4	-0.4
Lochalsh	S01010672	Kyle of Lochalsh	644	635	-9	-1.4
Skye	S01010683	Uig	994	965	-29	-2.9
Skye	S01010679	Portree East & Rural	597	577	-20	-3.4
Skye	S01010685	Duirinish	607	580	-27	-4.4
South West Ross	S01010688	Applecross, Shieldaig & Torridon	710	670	-40	-5.6
Total			14369	14608	239	1.7

Table 3: Population change by data zone area in SLSWR, 2011 – 2017 (ordered by percentage population change)

Data source: National Records of Scotland Small Area Population Estimates (2011-2017)²

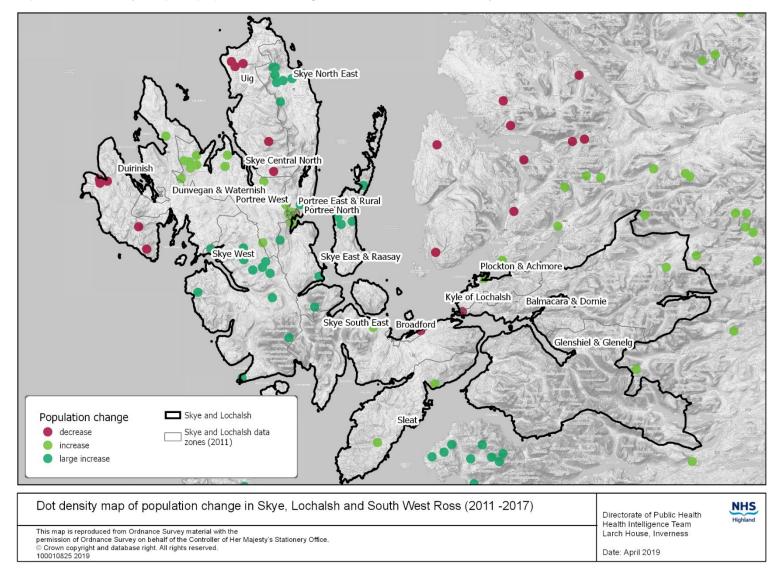
NHS Highland Public Health Directorate, Health Intelligence Team

April 2019

					Age group	o		Proportion				
Area	DZ2011	Data zone name	Total	00-15	16-64	65+	00-15	16-64	65+	-	75+	
South West Ross	S01010689	Lochcarron	795	99	392	304	12.5%	49.3%	38.2%	137	17.2%	
Skye	S01010684	Dunvegan & Waternish	771	81	438	252	10.5%	56.8%	32.7%	92	11.9%	
Skye	S01010685	Duirinish	580	44	352	184	7.6%	60.7%	31.7%	51	8.8%	
Skye	S01010677	Skye East & Raasay	541	69	310	162	12.8%	57.3%	29.9%	65	12.0%	
Skye	S01010679	Portree East & Rural	577	67	344	166	11.6%	59.6%	28.8%	81	14.0%	
South West Ross	S01010688	Applecross, Shieldaig & Torridon	670	62	419	189	9.3%	62.5%	28.2%	74	11.0%	
Lochalsh	S01010671	Plockton & Achmore	749	105	439	205	14.0%	58.6%	27.4%	70	9.3%	
Lochalsh	S01010669	Glenshiel & Glenelg	604	91	349	164	15.1%	57.8%	27.2%	87	14.4%	
Skye	S01010680	Portree West	635	103	360	172	16.2%	56.7%	27.1%	83	13.1%	
Skye	S01010683	Uig	965	149	559	257	15.4%	57.9%	26.6%	87	9.0%	
Skye	S01010676	Sleat	925	141	540	244	15.2%	58.4%	26.4%	85	9.2%	
Skye	S01010675	Skye West	677	77	425	175	11.4%	62.8%	25.8%	65	9.6%	
Skye	S01010673	Broadford	944	125	596	223	13.2%	63.1%	23.6%	81	8.6%	
Skye	S01010674	Skye South East	941	143	576	222	15.2%	61.2%	23.6%	57	6.1%	
Skye	S01010678	Skye North East	678	98	442	138	14.5%	65.2%	20.4%	66	9.7%	
Lochalsh	S01010670	Balmacara & Dornie	693	100	452	141	14.4%	65.2%	20.3%	47	6.8%	
Skye	S01010682	Skye Central North	1042	198	641	203	19.0%	61.5%	19.5%	76	7.3%	
Lochalsh	S01010672	Kyle of Lochalsh	635	116	409	110	18.3%	64.4%	17.3%	66	10.4%	
Skye	S01010681	Portree North	1186	244	767	175	20.6%	64.7%	14.8%	84	7.1%	
Total			14608	2112	8810	3686	14.5%	60.3%	25.2%	1454	10.0%	

Table 4: Population by age group by data zone in SLSWR in 2017 (ordered by percentage of 65+ people)

Data source: National Records of Scotland, mid-2017 Small Area Population Estimates (SAPE)⁵ - best fit by data zone to local areas.



Map 2: Dot density map of population change in data zones in the Skye and Lochalsh area, 2011-2017

Households, housing and small area population change

The relationship between housing and population is complex. Population change influences housing demand, but, also, housing availability influences the number of people and households through encouraging or deterring migration and retaining or pushing away the resident population. The property stock, rental supply and second home ownership also impact upon where people can live. At Census 2011 there was a high level of private property ownership in the Skye and Lochalsh area with 46 percent owning their property outright compared to 36 percent in Highland as a whole.

The Highland Council's Strategic Housing Investment Plan⁷ (<u>SHIP</u>) sets out investment in affordable housing to 2023/24 identified in the Local Housing Strategy (LHS). The intention in the Skye & Lochalsh area is to focus on the Portree, Broadford and Plockton to Dornie communities as the highest priorities with 400 units indicated over the planning period.

Table 5 below summarises housing supply and phasing identified in the Highland Council's Land Audit of 2018⁸. No large scale development is anticipated and small windfall builds are anticipated to help meet demand.

Table 5: Summary of potential housing development from the Highland Council Land Audit 2018

			Effective supply	Programming	Programming
Area	Settlement zone	Total	2018-2022	2023-27	2028-33
	Dunvegan	-	-	-	-
	Edinbane	10	10	-	-
	Portree	28	28	-	-
North Skye	Raasay	1	1	-	-
North Skye	Skeabost Bridge	-	-	-	-
	Staffin	6	6	-	-
	Uig	-	-	-	-
		45	45	-	-
	Broadford	88	60	28	-
	Carbost	2	2	-	-
South Skye	Kyleakin	18	18	-	-
	Sleat	101	8	93	-
		209	88	121	-
	Balmacara	-	-	-	-
	Dornie	11	6	5	-
Lochalsh	Glenelg	-	-	-	-
	Inverinate	-	-	-	-
	Kyle	13	13	-	-
		24	19	5	-
Skye and Lo	chalsh total	278	152	126	-

Housing Land Audit 2018

Data source: The Highland Council Land Audit (HLA 2018)⁸. The HLA totals exclude windfall builds of under 3 units

Figure 15 shows that the number of occupied dwellings (a proxy for households) has increased in the Skye and Lochalsh area in recent years (N=676). Over the same period the number of second homes and vacant dwellings decreased (Figure 16). From 2008 to 2017 the population in Skye and Lochalsh increased by 345 (0-15 age group decreased by 234, 16-64 decreased by 266 and the 65+ age group increased by 845).

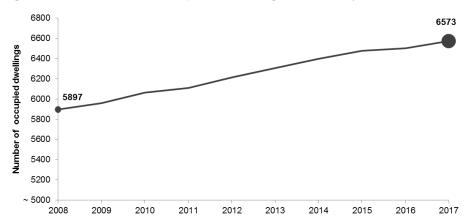
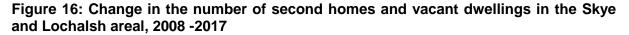
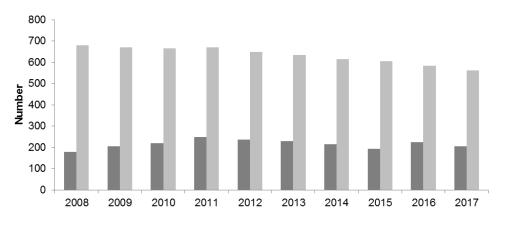


Figure 15: Number of occupied dwellings in the Skye and Lochalsh area, 2008 -2017

Data source: National Records of Scotland's (NRS)'s collection of small areas data on occupied and vacant dwellings and the Scottish Government's council tax base return⁹. The year period designated for the collection is between September and August

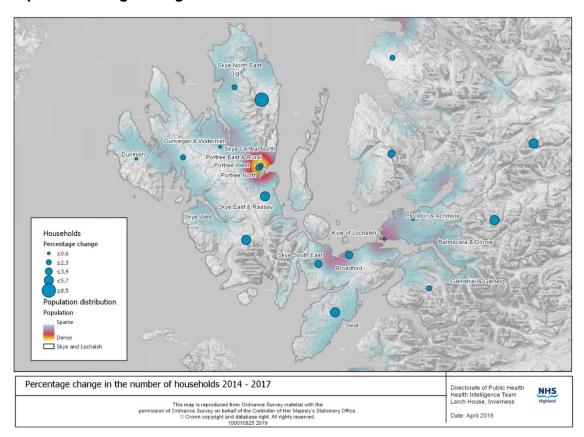




Vacant dwellings Second homes

Data source: National Records of Scotland's (NRS)'s collection of small areas data on occupied and vacant dwellings and the Scottish Government's council tax base return⁹. The year period designated for the collection is between September and August

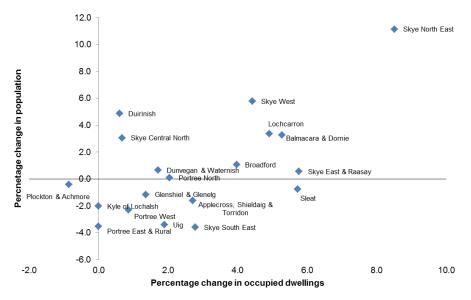
Map 3 shows the percentage change in the number of occupied dwellings over the period 2014 to 2017 across data zone areas in the Skye and Lochalsh area. The relationship with small area population change over the same time is shown in Figure 17. There is a modest positive correlation between increases in occupied households and population by area over the period.



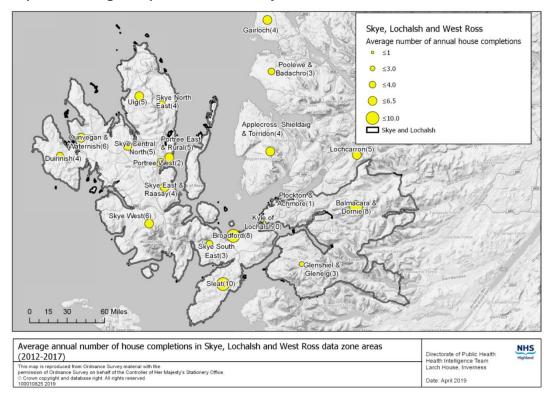


Data source: National Records of Scotland's (NRS)'s collection of small areas data on occupied and vacant dwellings and the Scottish Government's council tax base return⁹. The year period designated for the collection is between September and August

Figure 17: Percentage change in the number of households (occupied dwellings) and percentage increase in population 2014 to 2017

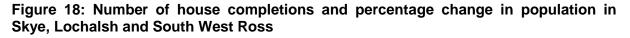


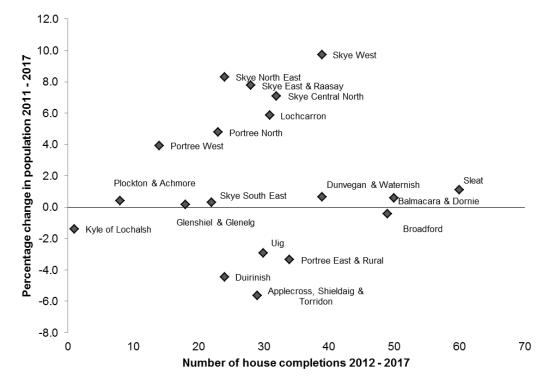
Data source: National Records of Scotland's (NRS)'s Small Area Population Estimates and NRS's collection of small areas data on occupied and vacant dwellings and the Scottish Government's council tax base return⁹. The year period designated for the collection is between September and August



Map 4: Housing completions in the Skye, Lochalsh and West Ross area

Data source: Highland Council Housing Completions data series¹⁰





Data source: Highland Council Housing Completions data series¹⁰ and National Records of Scotland Small Area Population Estimates (2011-2017)²

Figure 18 shows a weak positive correlation between housing completion and population growth in the SLWR area over the recent period. The connections between housing and population will vary over time and between places. Housing development in the Skye and Lochalsh area has been dispersed and relatively small scale.

Population projections for Skye and Lochalsh

This section is primarily based upon a set of population projections produced by the Highland Council for eight Highland areas¹¹. The projections use a 2016 population as the start point.

Details of the methodology and underlying assumptions of the projections are discussed at the end of the section. Reference is also made to population projections produced by the Highland Council that used a 2012 population as a start point and to national sub Local Authority projections produced by the National Records of Scotland as 'experimental statistics' in 2016¹².

Summary

Assuming that recent fertility, mortality and migration trends continue in the Skye and Lochalsh area the population is expected to increase by 1,500 people, a growth of 11.8 percent between 2016 and 2041. The largest percentage increase in population occurs in those over 65 years of age, and is particularly notable among those aged over 75 years. There are more deaths than births expected in every year of the projection and the population growth in the area is sustained by the expectation of small annual net migration gains over the projection course.

Key points

Given continued negative natural population change, further growth of the Skye and Lochalsh area is dependent upon net gains from migration.

The current population structure of Skye and Lochalsh will inevitably age with larger cohorts moving into older age ranges over the course of the next 20 years.

1 in 5 of the population is projected to be over 75 years of age by 2041 – currently this figure is nearer 1 in 10 people.

Over the period there will be further reduction in the working age population resident in the area.

Projected change in the size of the population

The most recent population projection for Skye and Lochalsh anticipates continued population growth. Comparison with previous sets of projections indicates the uncertainty inherent in such forecasting. Population projections are less likely to be accurate the further they project into the future and the smaller the population involved. The differences in the trajectories of population change largely result from uncertainty about future migration flows.

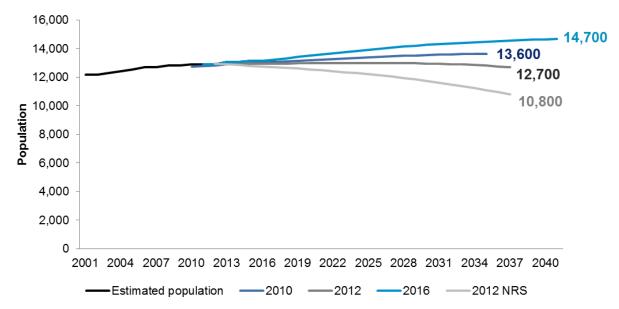


Figure 19: Comparison of population projection series for Skye and Lochalsh

Data source: National Records of Scotland Population Projections for Scottish Sub-Council Areas (2012based)¹² and Highland Council Area Population Projections.^{13,11}

The expectation of population growth in the most recent Highland Council projections suggests an increase of 1,500 people over the coming 25 year period in the Skye and Lochalsh area. This annual average growth of population by 60 people a year is 20 more people a year than the observed average annual trends of the recent small area population estimates trends for Skye and Lochalsh (Table 3).

Population change by broad age group

The population of the Skye and Lochalsh area aged 00-15 years is anticipated to remain at a constant level over the projection course. Continued loss of population in the 16-24 age range is suggested with movement of younger people seeking educational and employment opportunities out with the area. The working age population of 25-44 year olds remains fairly constant over the projection course, but the population aged 45-64 years is projected to decrease as the current larger cohorts move into older age groups and these people are replaced by the smaller number currently aged 25-40. A very large increase is expected in the population at older age groups; the 75+ population is projected to more than double by 2036 and to increase by nearly 150 percent by 2041.

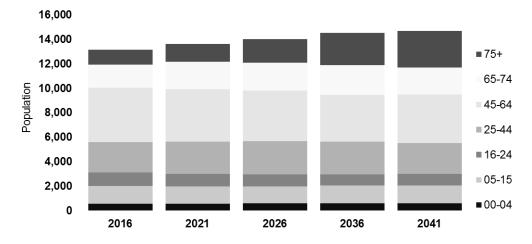


Figure 20: Projected population change in the Skye and Lochalsh area, 2016-2041

Data source: Highland Council Area Population Projections (2016-based).¹¹

	2016	2021	2026	2036	2041
00-04	531	556	597	582	572
05-15	1,463	1,392	1,365	1,464	1,453
16-24	1,092	1,041	968	913	975
25-44	2,477	2,620	2,733	2,649	2,510
45-64	4,460	4,297	4,116	3,831	3,983
65-74	1,895	2,237	2,304	2,427	2,185
75+	1,218	1,448	1,907	2,664	3,009
Total	13,136	13,591	13,990	14,529	14,687

Data source: Highland Council Area Population Projections (2016-based).¹¹

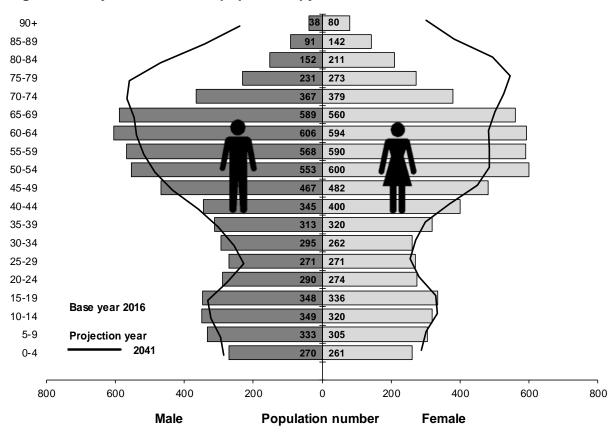
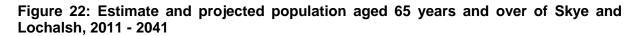
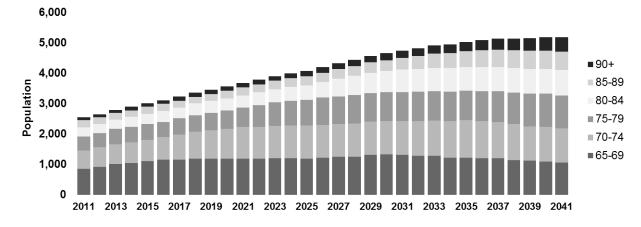


Figure 21: Skye and Lochalsh population pyramid in 2016 and 2041

Data source: Highland Council Area Population Projections (2016-based).¹¹





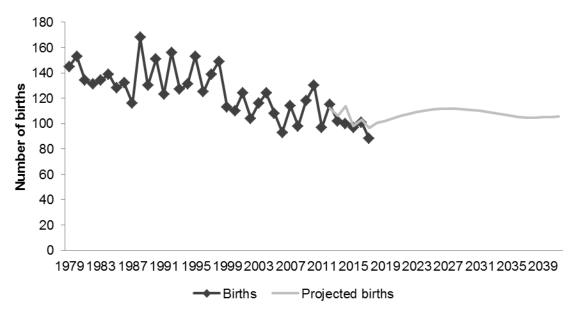
Data source: Highland Council Area Population Projections (2016-based).¹¹

Components of population change: births

The chart below shows historic trends in births to residents of Skye and Lochalsh and the projected number of births per year to 2041. The numbers of births in the area are relatively small annually and there is considerable variation from year to year. The trend from the early 1980s has been downward. The population projection assumes that the number of births annually will be around 100 - 110 events a year.

Fertility behaviour is mainly the result of human choice and inevitably the assumptions about future trends are based upon current fertility rates being a good reflection of what will actually be the case in years to come. Figure 24 highlights that the number of women aged 15-44 years living in the area reached a low in the late 2000s and that the number of women of child bearing age is expected to remain fairly constant over the projection course.

Figure 23: Actual and projected number of births to Skye and Lochalsh residents, 1979-2041



Data source: NHS Highland - locally held NRS vital events recording (1979-2017) and Highland Council Population projections for Council Areas (2016-2041)¹¹

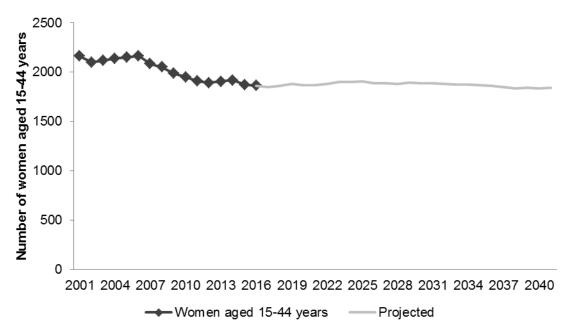
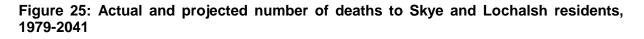


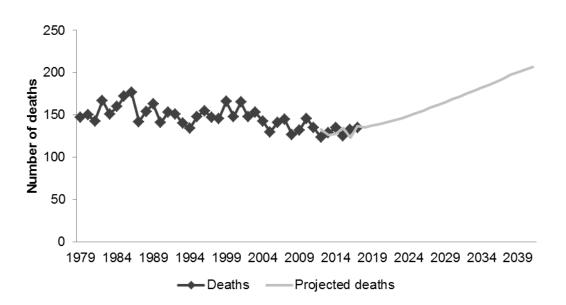
Figure 24: Estimated and projected number of women aged 15-44 years in Skye and Lochalsh, 2001- 2041

Data source: NRS Small Area Population Estimates^{3,2} and Highland Council Population projections for Council Areas (2016-2041)¹¹

Components of population change: mortality

A consequence of increasing life expectancy and larger cohorts of the population moving into older ages is that the numbers of deaths in Skye and Lochalsh annually are expected to increase (Figure 25 and Figure 26).

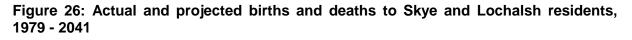


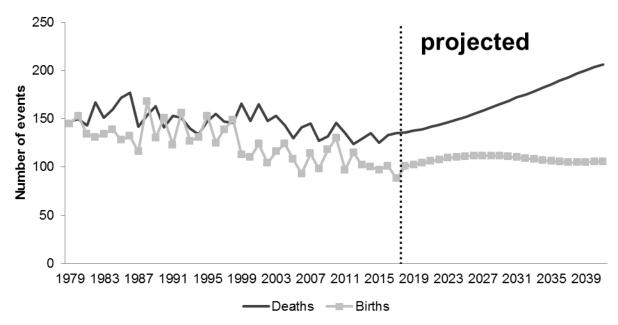


Data source: NHS Highland - locally held NRS vital events recording (1979-2017) and Highland Council Population projections for Council Areas (2016-2041)¹¹

Components of population change: natural change and migration

Negative natural population change with deaths outnumbering birth has been evident in the area since 1998 and the gap between the number of births and deaths is expected to continue to increase in every year of the projections series (Figure 26). Over the preceding decade the number of deaths has exceeded births by about 30 events annually. This difference is anticipated to be 60 events by 2031 and over 100 annually by 2041.





Data source: NHS Highland - locally held NRS vital events recording (1979-2017) and Highland Council Population projections for Council Areas (2016-2041)¹¹

The population growth expected in the projections for Skye and Lochalsh is dependent on the continuation of a net migration balance that attracts new and retains existing population to offset what is a long-term trend in the gap between births and deaths. Assuming the continuation of recent net migration gains, the 2016 population projection suggests that the area will attract about 125 additional people through migration in each year of the projection.

Figure 27 illustrated the annual migration profile used in Skye and Lochalsh projections from 2018-19 onwards. There is a dramatic peak loss in the population aged 15-19 years that reflects young adults moving from the area for reasons of education and employment. The largest net gains in population occur in the adult population aged over 35 years and less than 60 years of age. The area also gains population in the ages of family formation and therefore in the child population.

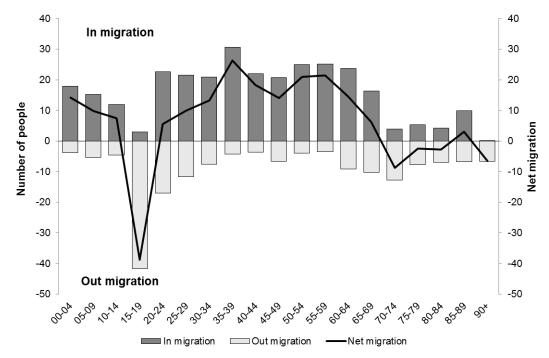


Figure 27: Skye and Lochalsh annual migration profile

Projected population change in Scotland, Highland and Skye and Lochalsh

The tables below compare the rate of population change and ageing for Skye and Lochalsh, Highland and Scotland. The Skye and Lochalsh area, primarily as a result of net migration gain, is expected to experience overall population growth. Over the period this rate of change is higher than that in Highland and Scotland (Figure 28). However, as existing population structures age over the period, Skye and Lochalsh is predicted to have a faster rate of change in older age groups (Figure 29). By 2041 over 1 in 5 of the population of the Skye and Lochalsh area is projected to be older than 75 years of age.

Data source: Highland Council Area Population Projections (2016-based).¹¹

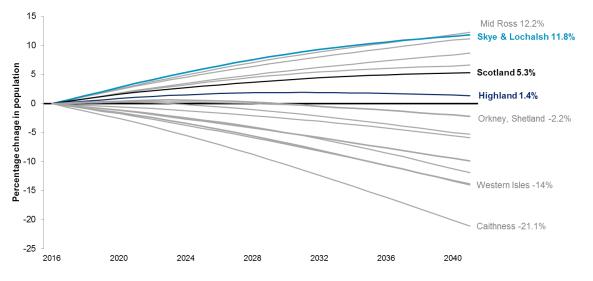


Figure 28: Projected population in Scotland, Highland, Skye and Lochalsh and comparator areas, 2016-2041

Data source: Highland Council (2016) Population projections for Council Areas (2016-2041)¹¹ and NRS Population Projections for Scottish Administrative areas (2016-based).¹⁴

 Table 7: Projected population change in Scotland, Highland and Skye and Lochalsh

	2016	2026	% change 2016- 2026	2036	% change 2016- 2036	2041	% change 2016- 2041
Skye & Lochalsh	13,136	13,990	6.5	14,529	10.6	14,687	11.8
Highland	234,770	238,779	1.7	238,854	1.7	237,988	1.4
Scotland	5,404,700	5,578,822	3.2	5,670,895	4.9	5,693,201	5.3

Data source: Highland Council (2016) Population projections for Council Areas (2016-2041)¹¹ and NRS Population Projections for Scottish Administrative areas (2016-based).¹⁴

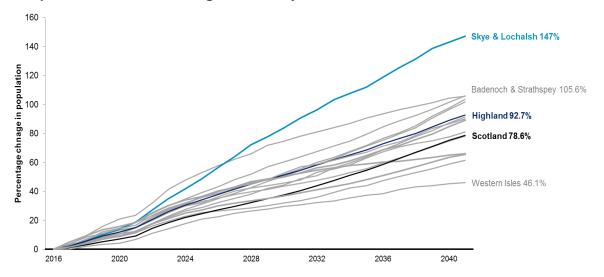


Figure 29: Projected population in Scotland, Highland, Skye and Lochalsh and comparator areas in those aged over 75 years, 2016-2014

Data source: Highland Council (2016) Population projections for Council Areas (2016-2041)¹¹ and NRS Population Projections for Scottish Administrative areas (2016-based).¹⁴

Table 8: Projected population change in Scotland, Highland and Skye and Lochalsh in
those aged over 75 years, 2016-2041

	2016	2026	% change 2016- 2026	2036	% change 2016- 2036	2041	% change 2016- 2041
Skye & Lochalsh	1,218	1,907	56.6	2,664	118.7	3,009	147.0
Highland	21,494	29,633	37.9	37,124	72.7	41,415	92.7
Scotland	442,309	563,029	27.3	701,249	58.5	790,109	78.6

Data source: Highland Council (2016) Population projections for Council Areas (2016-2041)¹¹ and NRS Population Projections for Scottish Administrative areas (2016-based).¹⁴

Methods and limitations of the population projection

The Highland Council use a population component method to produce projections for the future population structure of Highland localities. The general principal involves applying mortality, fertility and migration rates to a population base year to calculate the population in a subsequent year.

The fertility assumptions are based upon those published for Scotland by the Government Actuaries Department from 2016 adjusted for each local area in the projection¹⁵. Adjustment factors were calculated by NHS Highland for this purpose using the difference in the pattern of resident births from that of Scotland over a period of five years before 2016. An adjustment factor of 1.14 was applied for Skye and Lochalsh. This increases the amount of births in Skye and Lochalsh to reflect a higher local birth rate than that of Scotland.

Mortality assumptions were calculated using age-specific mortality rates produced by the Government Actuaries Department for the years from 2016 onwards¹⁶. These Scottish rates were adjusted for the local Highland area mortality experience in the most recent five years. Generally the assumption is made of a slow decline in Scottish mortality rates over the period. Skye and Lochalsh has lower male and female mortality rates than those experienced nationally and this adjustment was made for both sexes in the local projections.

Local assumptions about migration in the Highland Council Area projections were constrained to those used for Highland by the National Records of Scotland in the production of their projections for Scottish Administrative Areas in 2012¹⁷. Local age and sex specific rates of inward and outward migration for the eight Highland areas were defined by the Highland Council.

The migration and fertility components of any population projection are the factors that involve the greatest uncertainties - mortality rates are generally much easier to model over time – and particularly for small populations caution needs to be attached to the use of any set of projections. There is of course a great deal of uncertainty about future migration into and out of such a small population as that of Skye and Lochalsh and the current projection includes a scenario based primarily upon recent migration led population growth in Skye West, Skye North East and in and around Portree.

Appendix 1

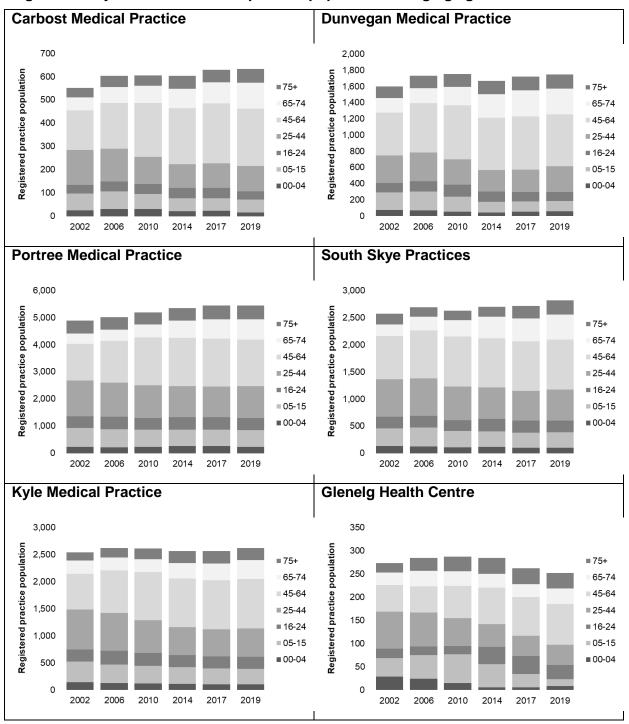


Figure 30: Skye and Lochalsh GP practice population changing age structures

Data source: CHI practice population data held by NHS Highland Public Health Intelligence; as at April each year.

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