

Family	Common name	Scientific name	Demographic parameter	Age class	Age (years)	Mean	Standard deviation	0.025 confidence interval	0.975 confidence interval	Standard error	Study area	Region	Country	Number of years in study	Data collection method (MR - mark-recapture; RR - Ring-recovery; Joint - ring-recovery and mark-recapture)	Estimation method (VR - variable recapture; CR - constant recapture)	Study Period	Reference (all references are listed in the main report)	Cited by
Auks	Razorbill	<i>Alca torda</i>	survival	adult	≥3	0.970				0.030	Gannet Island	Labrador	Canada	11	MR		1995-2006	Lavers et al 2008	
Auks	Razorbill	<i>Alca torda</i>	survival	adult	≥3	0.912				0.052	Machias seal Island	New Brunswick	Canada	11	MR		1995-2006	Lavers et al 2008	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.919	0.075				Hornøya	Finnmark	Norway	8	MR	VR	1995-2003	Sandvik et al 2005	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.905					Isle of May	SE Scotland	UK	10	MR	VR	1986-1996	Harris et al 2000a	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.894	0.070				Isle of May	SE Scotland	UK	24	MR	VR	1984-2008	Lahoz-Monfort et al 2011	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.770	0.210				Shaint Islands	NW Scotland	UK	5	MR		1990-1995	Chapdelaine 1997	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.895	0.064				Skomer	Wales	UK	39	MR		1970-2008	Taylor et al 2010	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.901					Skomer	Wales	UK	22	MR		1972-1994	Poole et al 1998	
Auks	Razorbill	<i>Alca torda</i>	survival	adult		0.895	0.067				National average		UK	63				Taylor et al 2010; Lahoz-Monfort et al 2011	
Auks	Razorbill	<i>Alca torda</i>	survival	juvenile	0-1	0.480					Græsholmen	Baltic	Norway	2	Joint		1985-1986	Lyngs 1994	
Auks	Razorbill	<i>Alca torda</i>	survival	immature	0-2	0.482				0.033	Gannet Island	Labrador	Canada	11	MR		1995-2006	Lavers et al 2008	
Auks	Razorbill	<i>Alca torda</i>	survival	immature	0-2	0.778				0.041	Machias seal Island	New Brunswick	Canada	11	MR		1995-2006	Lavers et al 2008	
Auks	Razorbill	<i>Alca torda</i>	survival	immature	0-4	0.570				0.048	Skokholm	Wales	UK	30	RR		1940-1970	Lloyd 1974	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.302	0.263				Fair Isle	Shetland	UK	11	MR		2000-2010	Shaw et al 2010	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.953	0.040				Skokholm	Wales	UK	3			1971-1973	Lloyd 1979	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.550	0.194			0.050	Fair Isle	Shetland	UK	15			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.690	0.126			0.040	Farne Islands	NE England	UK	10			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.350	0.087			0.050	Foula	Shetland	UK	3			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.660	0.089			0.020	Isle of May	SE Scotland	UK	20			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.760	0.120			0.040	North Sutor	N Scotland	UK	9			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.240	0.173			0.100	Papa Westray	Orkney	UK	3			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.570	0.108			0.030	Skomer	Wales	UK	13			1986-2005	Mavor et al 2008	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.609	0.056				Isle of May	SE Scotland	UK	14			1997-2010	Newell et al 2010	
Auks	Razorbill	<i>Alca torda</i>	productivity			0.642	0.271				South	UK	16				Lloyd 1979; Mavor et al 2008; Cook and Robinson 2010		
Auks	Razorbill	<i>Alca torda</i>	productivity			0.643	0.057				Mid	UK	24				Mavor et al 2008; Cook and Robinson 2010; Newell et al 2010		
Auks	Razorbill	<i>Alca torda</i>	productivity			0.459	0.236				North	UK	26				Mavor et al 2008; Cook and Robinson 2010; Shaw et al 2010		
Auks	Razorbill	<i>Alca torda</i>	productivity			0.570	0.247				National average		UK	66			Lloyd 1979; Mavor et al 2008; Newell et al 2010; Shaw 2010		
Auks	Razorbill	<i>Alca torda</i>	incidences of non-breeding			0.030					Isle of May	SE Scotland	UK	7	MR		1981-1987	Harris and Wanless 1989	
Auks	Razorbill	<i>Alca torda</i>	dispersal	adult		0.030					Gannet Island; Machias Seal Island	Labrador; New Brunswick	Canada	20	MR		1986-2006	Lavers et al 2007	
Auks	Razorbill	<i>Alca torda</i>	dispersal	adult		0.012					Isle of May	SE Scotland	UK	7	MR		1981-1987	Harris and Wanless 1989	
Auks	Razorbill	<i>Alca torda</i>	dispersal	adult		0.100					Skokholm	Wales	UK	3	MR		1971-1973	Lloyd 1976	
Auks	Razorbill	<i>Alca torda</i>	dispersal	juvenile (natal)		0.170					Gannet Island; Machias Seal Island	Labrador; New Brunswick	Canada	20	MR		1986-2006	Lavers et al 2007	
Auks	Razorbill	<i>Alca torda</i>	dispersal	juvenile (natal)		0.006					Skokholm	Wales	UK	3	MR		1971-1973	Lloyd and Perrins 1977	
Auks	Razorbill	<i>Alca torda</i>	age of recruitment			5.000					Skokholm	Wales	UK	3	MR		1971-1973	Lloyd and Perrins 1977	

To assess **quality**, the estimate is scored on the number of years considered by the study, the number of individuals included per year and whether an estimation of the range or error is available with the estimation. To assess **representation**, the estimate is scored on whether the data reflects a UK-based study, includes recent data (<10 years old), and whether the trajectory of the study colony reflects the current UK population trend. Consequently, this scoring system assesses representation at the national scale. Each criterion receives a 0 for “no”, 1 for “partially or unknown and therefore requiring further evaluation”, and 2 for “yes”, scoring quality and representation individually out of 6. Where an estimate combines several studies that conflict on specific criteria, a 1 was awarded to signify partial characterisation. Notation: A - adult, J - juvenile, S - stable, Mixed - mixed, I - increasing, D - decreasing, U - unknown.

Data Quality

Species	Age	Pop. trend	Survival				Productivity				Age of recruitment				Missed breeding				Dispersal			
			≥5 years	>30 Individual yr ⁻¹ Range of values available	Total		≥5 years	>30 Individual yr ⁻¹ Range of values available	Total		≥5 years	>30 Individual yr ⁻¹ Range of values available	Total		≥5 years	>30 Individual yr ⁻¹ Range of values available	Total		≥5 years	>30 Individual yr ⁻¹ Range of values available	Total	
Razorbill	A	M	2	2	2	6	2	2	2	6	0	1	2	3	2	2	0	4	2	1	2	5
	J	M	2	2	2	6	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	5

Data Representation

Species	Age	Pop. trend	Survival				Productivity				Age of recruitment				Missed breeding				Dispersal			
			UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total
Razorbill	A	M	2	2	2	6	2	1	2	5	2	0	1	3	2	0	1	3	1	1	1	3
	J	M	0	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3