

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
Terns	Arctic tern	<i>Sterna paradisaea</i>	survival	adult		0.886	0.072	0.704	0.960	0.077	Machias Seal Island	Gulf of Maine	Canada	6	MR	VR	1999-2005	Devlin et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	survival	adult		0.870					Farne Islands	NE England	UK	2	MR	CR	1966-1968	Coulson and Horobin 1976	
Terns	Arctic tern	<i>Sterna paradisaea</i>	survival	adult		0.820					Farne Islands	NE England	UK	4	MR	CR	1952-1956	Cullen 1957	
Terns	Arctic tern	<i>Sterna paradisaea</i>	survival	adult		0.837	0.035				National average		UK	6				Cullen 1957; Coulson and Horobin 1976	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.238	0.288				Foula	Shetland	UK	28			1976-2004	Furness 2007	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.780	0.156			0.110	Ardullie	N Scotland	UK	2			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.770	0.320			0.080	Coquet	NE England	UK	16			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.120	0.170			0.060	Eigg	NW Scotland	UK	8			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.230	0.330			0.080	Fair Isle	Shetland	UK	17			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.570	0.348			0.110	Farne Islands	NE England	UK	10			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.130	0.194			0.050	Fetlar	Shetland	UK	15			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.140	0.206			0.050	Foula	Shetland	UK	17			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.350	0.224			0.050	Foulney	NW England	UK	20			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.310	0.277			0.080	Isle of May	SE Scotland	UK	12			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.160	0.232			0.070	Kinloss	NE Scotland	UK	11			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.660	0.480			0.120	Long Nanny	NE England	UK	16			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.160	0.312			0.090	Papa Westray	Orkney	UK	12			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.870	0.379			0.120	Rockabill	SE Ireland	UK	10			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.260	0.310			0.080	Sands of Forvie	NE Scotland	UK	15			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			1.080	0.400			0.100	Skerries	Wales	UK	16			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.090	0.108			0.030	St Fergus	NE Scotland	UK	13			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.030	0.073			0.030	Tiree	SW & NW Scotland	UK	6			1986-2005	Mavor et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.920					Coquet	NE England	UK	2			1965-1967	Monaghan et al 1989	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.000					Shetland	UK	2				1965-1967	Monaghan et al 1989	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			1.560	0.560				Coquet	NE England	UK	1			1996	Robinson et al 2001	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.125	0.210				Fair Isle	Shetland	UK	22			1988-2010	Shaw et al 2010	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.402	0.312				Shetland	UK	5				1990-1994	Suddaby and Ratcliffe 1997	
Terns	Arctic tern	<i>Sterna paradisaea</i>	productivity			0.380	0.325				National average		UK	232				Furness 2007; Mavor et al 2008; Shaw et al 2010	
Terns	Arctic tern	<i>Sterna paradisaea</i>	dispersal	adult		0.008	0.011				Machias Seal Island	Gulf of Maine	Canada	6	MR		1999-2005	Devlin et al 2008	
Terns	Arctic tern	<i>Sterna paradisaea</i>	dispersal	adult		0.170							Denmark	15			1970-1985	Møller et al 2006	
Terns	Arctic tern	<i>Sterna paradisaea</i>	dispersal	juvenile (natal)		0.610							Denmark	15			1970-1985	Møller et al 2006	
Terns	Arctic tern	<i>Sterna paradisaea</i>	age of recruitment			4.000					Farne Islands	NE England	UK	2	MR		1966-1968	Coulson and Horobin 1976	
Terns	Arctic tern	<i>Sterna paradisaea</i>	age of recruitment			3.000					Farne Islands	NE England	UK	4	MR		1952-1956	Cullen 1957	

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	Current UK pop. trend	Survival				Productivity				Age of recruitment				Missed breeding				Dispersal			
			≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total
Arctic tern	A	S	2	2	2	6	2	2	2	6	2	2	2	6	-	-	-	-	2	2	2	6
	J	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	0	4

#### Data Representation

Species	Age	Current UK 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
Arctic tern	A	S	2	0	0	2	2	1	1	4	2	0	1	3	-	-	-	-	0	0	1	1
	J	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1