



Public Health  
England

Protecting and improving the nation's health

# **Invasive meningococcal disease in England: annual report for 2017 to 2018 supplementary data tables**

## About Public Health England

Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-leading science, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health and Social Care, and a distinct delivery organisation with operational autonomy. We provide government, local government, the NHS, Parliament, industry and the public with evidence-based professional, scientific and delivery expertise and support.

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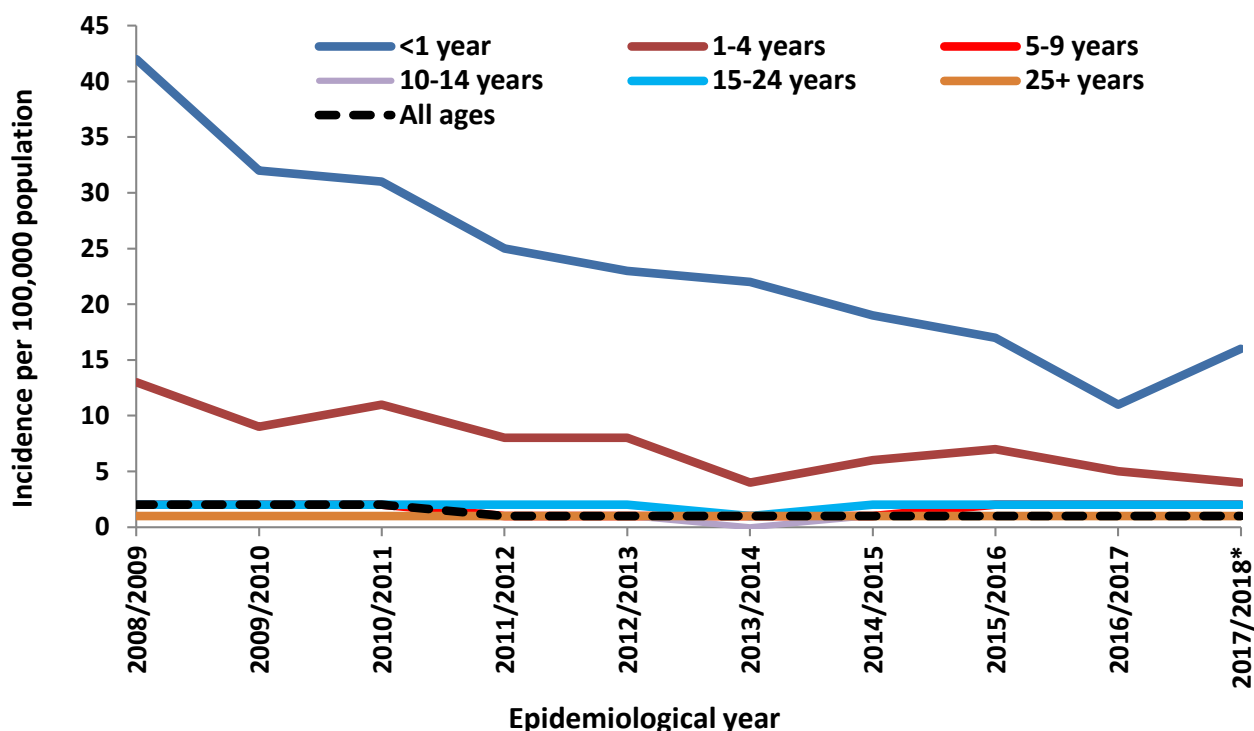
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# Invasive meningococcal disease in England: annual report for 2017 to 2018 supplementary data tables

Invasive meningococcal disease in England: annual laboratory confirmed reports for epidemiological year 2017 to 2018:

<https://www.gov.uk/government/publications/meningococcal-disease-laboratory-confirmed-cases-in-england-and-wales>

Figure 1: Incidence of invasive meningococcal disease in England: 2008/2009 to 2017/2018



\*2017/18 are provisional data.

**Table 1: Invasive meningococcal infections laboratory reports in England by capsular group and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	Capsular group					Total
	B	C	W	Y	Other*	
1998/1999	1296	883	42	22	330	2573
1999/2000	1495	848	89	22	141	2595
2000/2001	1614	389	125	27	188	2343
2001/2002	1424	198	91	25	118	1856
2002/2003	1161	115	45	15	79	1415
2003/2004	1250	61	45	25	57	1438
2004/2005	1220	41	21	40	62	1384
2005/2006	1104	30	35	30	27	1226
2006/2007	956	28	24	34	49	1091
2007/2008	1035	28	24	26	77	1190
2008/2009	1001	13	19	54	22	1109
2009/2010	751	17	22	57	11	858
2010/2011	844	22	36	84	23	1009
2011/2012	587	29	30	77	7	730
2012/2013	595	33	55	75	11	769
2013/2014	424	27	95	83	7	636
2014/2015	418	29	176	93	8	724
2015/2016	447	42	211	103	8	811
2016/2017	397	37	225	80	9	748
2017/2018~	404	64	193	88	6	755

\* Other includes capsular groups: A, X, E/Z, ungroupable and ungrouped. Ungroupable refers to invasive clinical meningococcal isolates that were non-groupable, while ungrouped cases refers to culture-negative but PCR screen (ctrA) positive and negative for the four genogroups [B, C, W and Y] routinely tested for.

~2017/18 are provisional data.

**Table 2: Invasive meningococcal infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	Age group									Total~
	<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	>=65	
1998/1999	489	682	228	178	361	115	199	183	100	2573
1999/2000	452	736	249	163	315	117	244	202	108	2595
2000/2001	418	637	194	145	246	151	267	188	91	2343
2001/2002	410	505	145	111	188	83	165	138	103	1856
2002/2003	319	437	108	76	143	52	110	97	69	1415
2003/2004	336	440	97	75	138	69	103	101	75	1438
2004/2005	333	403	115	73	127	64	108	88	72	1384
2005/2006	285	394	118	47	121	46	74	73	54	1226
2006/2007	277	335	88	29	113	52	67	77	49	1091
2007/2008	287	369	88	36	135	46	86	83	56	1190
2008/2009	279	330	69	46	118	48	54	114	48	1109
2009/2010	209	235	59	37	90	42	59	66	57	858
2010/2011	209	296	69	43	99	50	67	90	85	1009
2011/2012	167	204	35	18	68	36	49	72	81	730
2012/2013	157	211	46	26	80	33	51	84	78	769
2013/2014	151	118	38	13	57	41	55	64	99	636
2014/2015	127	162	48	18	78	27	48	86	130	724
2015/2016	115	181	57	21	77	48	46	99	167	811
2016/2017	72	143	52	21	87	51	56	91	175	748
2017/2018*	102	106	54	24	85	38	60	114	172	755

~The totals include a very small number of cases where the age was not known.

\*2017/18 are provisional data.

**Table 3: Invasive meningococcal infections laboratory reports in England by region\* and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	East Midlands	East of England	London	North East	North West	South East	South West	West Midlands	Yorkshire and Humber	Total
1998/1999	209	190	358	206	503	345	203	269	290	2573
1999/2000	193	230	413	183	439	324	245	285	283	2595
2000/2001	187	190	385	156	425	292	222	226	260	2343
2001/2002	147	133	268	134	344	234	200	179	217	1856
2002/2003	103	108	200	94	238	194	174	149	155	1415
2003/2004	107	99	175	96	285	186	152	158	180	1438
2004/2005	100	80	190	91	265	153	144	148	213	1384
2005/2006	116	82	164	78	224	158	140	119	145	1226
2006/2007	83	90	134	63	196	156	106	118	145	1091
2007/2008	94	90	144	94	219	150	107	126	166	1190
2008/2009	92	95	120	71	231	124	107	135	134	1109
2009/2010	77	69	102	66	158	99	105	100	82	858
2010/2011	89	71	143	67	200	117	96	121	105	1009
2011/2012	60	59	110	47	143	104	68	70	69	730
2012/2013	63	53	101	47	157	90	79	84	95	769
2013/2014	56	59	93	39	109	97	54	62	67	636
2014/2015	57	55	93	59	131	102	67	80	80	724
2015/2016	78	69	119	59	136	112	65	64	109	811
2016/2017	60	47	97	53	121	94	93	85	98	748
2017/2018~	52	57	78	39	135	116	80	81	117	755

\* Region based on requesting laboratory.  
~2017/18 are provisional data.

**Table 4: Invasive meningococcal B infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	Age group									Total~
	<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	>=65	
1998/1999	311	377	107	61	139	59	96	81	47	1296
1999/2000	346	446	123	66	182	56	124	103	42	1495
2000/2001	338	510	132	101	182	76	134	97	41	1614
2001/2002	352	432	120	88	152	50	107	73	44	1424
2002/2003	288	387	94	62	119	33	72	68	35	1161
2003/2004	310	405	85	67	127	55	76	79	42	1250
2004/2005	313	374	106	69	110	55	84	66	42	1220
2005/2006	268	375	108	41	114	37	60	57	30	1104
2006/2007	259	312	79	25	99	43	53	53	30	956
2007/2008	261	340	73	31	114	41	71	70	30	1035
2008/2009	267	316	65	38	108	44	49	82	29	1001
2009/2010	199	223	51	35	74	39	49	51	27	751
2010/2011	195	278	62	36	82	40	49	61	40	844
2011/2012	156	191	31	14	52	30	30	49	34	587
2012/2013	145	201	42	19	53	24	34	48	28	595
2013/2014	129	109	29	10	40	25	27	25	30	424
2014/2015	101	139	36	13	36	17	21	31	24	418
2015/2016	82	147	43	13	42	26	19	38	37	447
2016/2017	47	111	39	10	57	35	25	31	42	397
2017/2018*	58	88	41	16	75	23	26	45	32	404

~The totals include a very small number of cases where the age was not known.

\*2017/18 are provisional data.



**Table 5: Invasive meningococcal C infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	Age group									Total~
	<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	>=65	
1998/1999	99	194	83	80	190	42	70	78	33	883
1999/2000	57	223	102	77	115	51	104	77	41	848
2000/2001	19	42	26	10	34	63	92	77	26	389
2001/2002	6	20	5	6	17	27	48	45	23	198
2002/2003	6	13	5	0	9	15	31	21	15	115
2003/2004	2	11	1	1	1	7	14	14	10	61
2004/2005	1	4	1	1	3	3	11	8	9	41
2005/2006	1	3	1	1	2	3	8	6	5	30
2006/2007	2	2	2	0	1	3	7	7	4	28
2007/2008	1	2	1	0	4	2	7	4	7	28
2008/2009	0	1	1	2	0	0	1	7	1	13
2009/2010	1	4	3	1	1	0	5	2	0	17
2010/2011	2	3	2	1	1	0	6	4	3	22
2011/2012	3	3	2	1	3	2	8	4	3	29
2012/2013	0	1	1	4	3	3	9	7	5	33
2013/2014	1	2	5	2	0	1	7	6	3	27
2014/2015	1	0	6	0	3	0	10	7	2	29
2015/2016	1	1	4	3	3	1	13	7	9	42
2016/2017	4	2	4	2	2	1	9	5	8	37
2017/2018*	15	4	6	3	1	0	8	11	16	64

~The totals include a very small number of cases where the age was not known.

\*2017/18 are provisional data.

**Table 6: Invasive meningococcal W infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2017/2018**

Epidemiological year	Age group									Total~
	<1	1-4	5-9	10-14	15-19	20-24	25-44	45-64	>=65	
1998/1999	16	7	1	1	1	0	6	2	8	42
1999/2000	20	25	7	0	1	2	7	11	15	89
2000/2001	28	41	7	8	4	2	15	7	13	125
2001/2002	19	25	3	5	5	2	1	9	22	91
2002/2003	7	12	2	2	5	1	1	1	14	45
2003/2004	14	6	1	1	4	2	3	6	8	45
2004/2005	5	4	0	0	3	2	0	0	7	21
2005/2006	10	7	1	2	1	3	1	5	5	35
2006/2007	4	2	1	1	2	2	3	5	4	24
2007/2008	3	5	1	0	4	0	0	2	9	24
2008/2009	5	3	0	2	0	1	1	5	2	19
2009/2010	4	3	2	0	2	1	1	4	5	22
2010/2011	3	7	1	0	3	3	1	8	10	36
2011/2012	3	7	1	0	2	0	3	4	10	30
2012/2013	4	5	1	1	10	2	2	13	17	55
2013/2014	12	5	1	1	13	9	9	14	31	95
2014/2015	21	18	2	2	24	6	8	29	66	176
2015/2016	22	26	5	2	20	15	9	37	75	211
2016/2017	17	29	5	4	19	12	15	42	82	225
2017/2018*	24	11	1	2	5	9	16	38	87	193

~The totals include a very small number of cases where the age was not known.

\*2017/18 are provisional data.

**Table 7: ONS deaths\* in confirmed cases of invasive meningococcal disease in England by epidemiological year, 1998/1999 to 2017/2018**

<b>Epidemiological year</b>	<b>Total</b>
1998/1999	198
1999/2000	159
2000/2001	175
2001/2002	107
2002/2003	95
2003/2004	78
2004/2005	67
2005/2006	53
2006/2007	49
2007/2008	70
2008/2009	66
2009/2010	51
2010/2011	60
2011/2012	35
2012/2013	43
2013/2014	39
2014/2015	59
2015/2016	53
2016/2017	49
2017/2018~	52

\* Death data from the Office of National Statistics includes all deaths coded to meningitis or meningococcal infection as a cause of death and linked to a laboratory-confirmed case.

~2017/18 are provisional data.