



Public Health
England

Protecting and improving the nation's health

Invasive meningococcal disease in England

Annual report for 2018 to 2019
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, research, 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.

Public Health England
Wellington House
133-155 Waterloo Road
London SE1 8UG
Tel: 020 7654 8000
www.gov.uk/phe
Twitter: [@PHE_uk](https://twitter.com/PHE_uk)
Facebook: www.facebook.com/PublicHealthEngland

For queries relating to this document, please contact: Immunisation@phe.gov.uk



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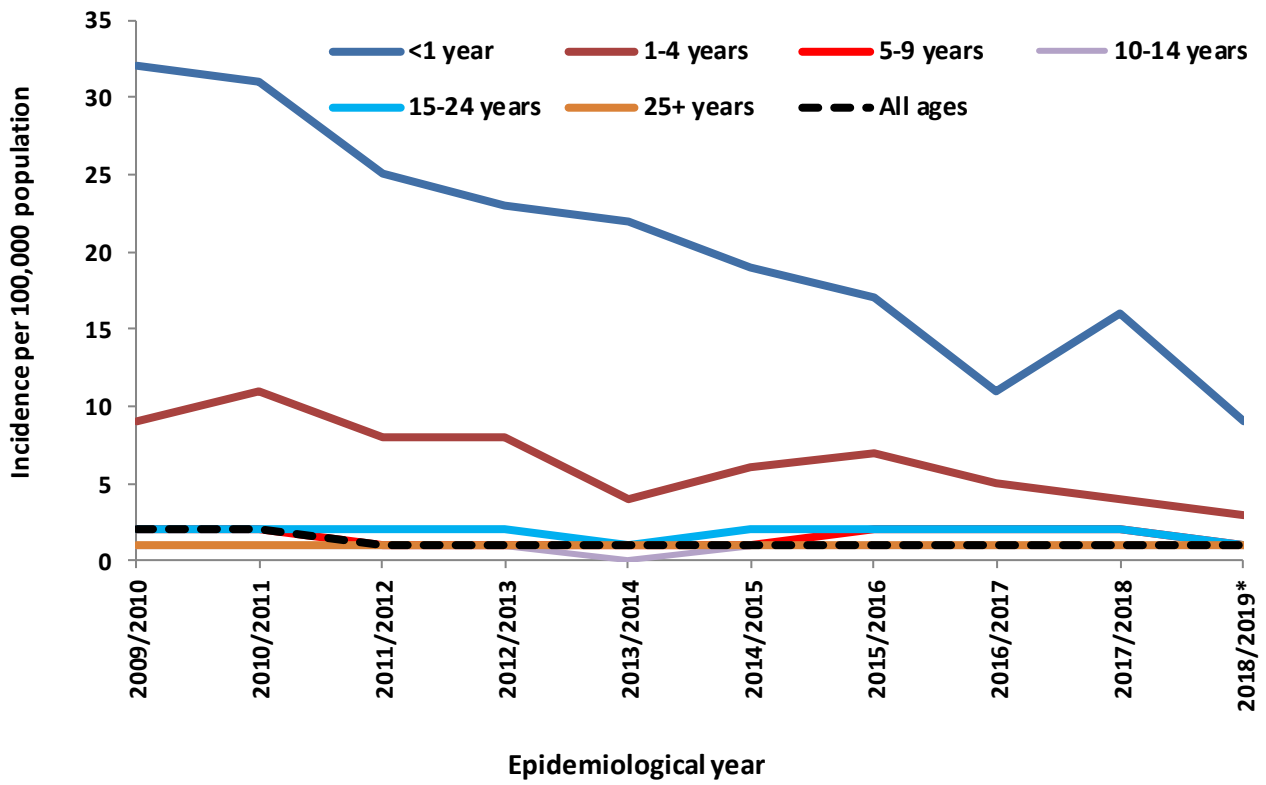
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Figure 1: Incidence of invasive meningococcal disease in England: 2009/2010 to 2018/2019



*2018/2019 are provisional data.

Table 1: Invasive meningococcal infections laboratory reports in England by capsular group and epidemiological year, 1998/1999 to 2018/2019

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	101	10	811
2016/2017	396	37	225	80	9	747
2017/2018	403	64	194	88	5	754
2018/2019~	305	43	113	59	5	525

* 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.

~2018/2019 are provisional data.

Table 2: Invasive meningococcal infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2018/2019

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	79	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	78	48	46	98	167	811
2016/2017	71	143	52	21	87	51	56	91	175	747
2017/2018	102	106	53	24	86	38	59	114	172	754
2018/2019*	55	74	37	20	41	41	54	78	125	525

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

*2018/2019 are provisional data.

Table 3: Invasive meningococcal infections laboratory reports in England by region* and epidemiological year, 1998/1999 to 2018/2019

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	79	69	119	59	135	112	65	64	109	811
2016/2017	60	47	97	53	120	94	93	85	98	747
2017/2018	52	57	78	39	135	116	80	81	116	754
2018/2019~	34	46	84	27	90	55	55	67	67	525

* Region based on requesting laboratory.

~2018/2019 are provisional data.

Table 4: Invasive meningococcal B infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2018/2019

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	46	111	39	10	57	35	25	31	42	396
2017/2018	58	88	41	16	75	23	25	45	32	403
2018/2019*	44	59	31	10	35	32	30	37	27	305

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

*2018/2019 are provisional data.

Table 5: Invasive meningococcal C infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2018/2019

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
2018/2019*	2	3	2	5	0	1	4	9	17	43

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

*2018/2019 are provisional data.

Table 6: Invasive meningococcal W infections laboratory reports in England by age group and epidemiological year, 1998/1999 to 2018/2019

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	6	9	16	38	87	194
2018/2019*	6	11	3	3	4	4	11	19	52	113

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

*2018/2019 are provisional data.

Table 7: ONS deaths* in confirmed cases of invasive meningococcal disease in England by epidemiological year, 1998/1999 to 2018/2019

Epidemiological year	Total
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	40
2014/2015	59
2015/2016	53
2016/2017	49
2017/2018	57
2018/2019~	26

* 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.

~2018/2019 are provisional data.

Invasive meningococcal disease in England: annual laboratory confirmed reports for epidemiological year 2018 to 2019:

www.gov.uk/government/publications/meningococcal-disease-laboratory-confirmed-cases-in-england-in-2018-to-2019