

PERTUSSIS Facts in Europe

The number of reported Pertussis cases is **on the rise in Europe*** yet is still underestimated

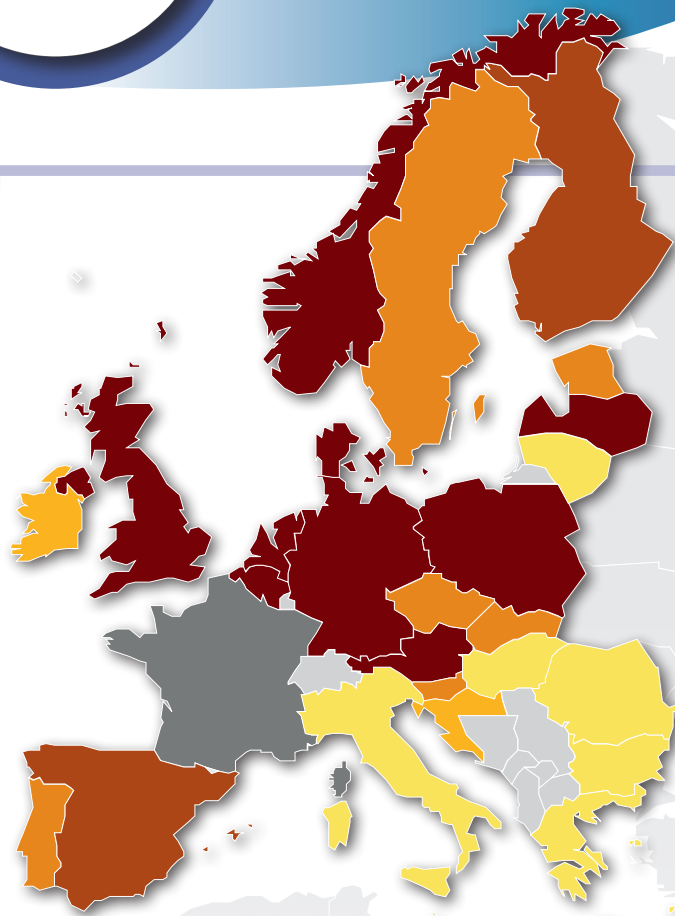
2010
~16 000
cases¹

2016
~48 000
cases²

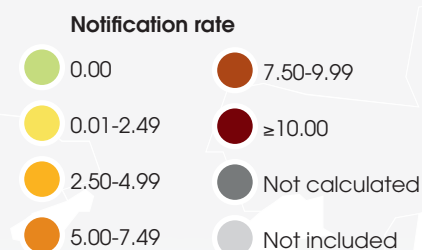
Germany, the Netherlands, Poland and the UK accounted for

68%²

of all notified cases in 2016



Number of reported pertussis cases per 100 000 population by country, EU/EEA, 2016

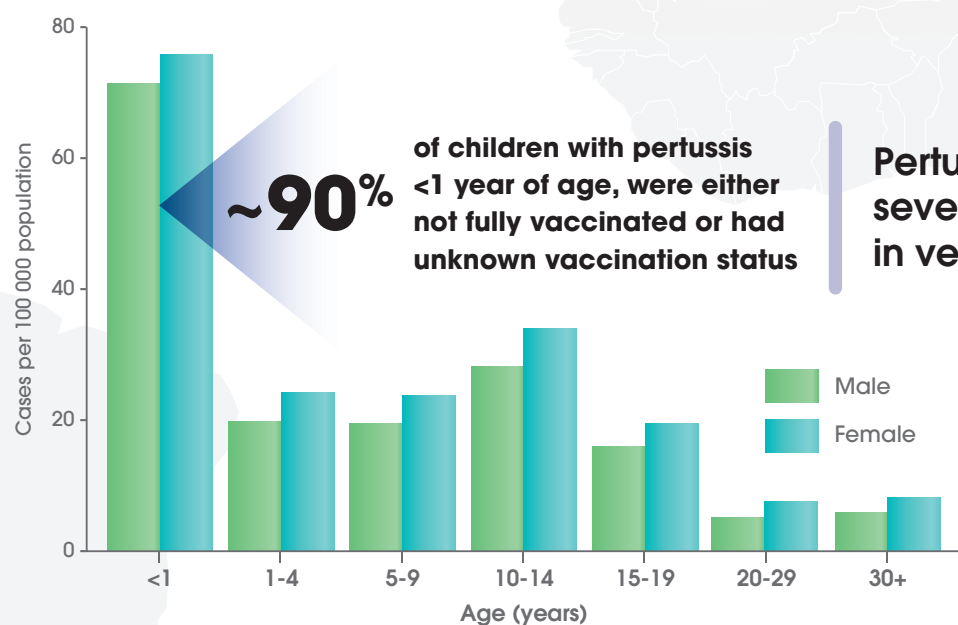


Countries not visible in the main map: Luxembourg, Malta

Pertussis still poses a major threat to young babies too young to be fully vaccinated²

In Europe, age-specific rates were **highest in infants <1 year of age** followed by 10-14-year-olds and 1-4-year-olds

Rate of reported pertussis cases per 100 000 population by age and gender, EU/EEA, 2016



85% of cases in children < 3 months of age were hospitalized

16 deaths due to pertussis occurred in children < 3 months of age out of a total of 26 known deaths

Data from 2016

Number of pertussis cases and rate per 100 000 population by country and year, EU/EEA, 2012-2016²

COUNTRY	REPORTED CASES					COUNTRY	REPORTED CASES				
	2012	2013	2014	2015	2016		2012	2013	2014	2015	2016
Austria	571	580	370	579	1 291	Latvia	257	201	81	210	256
Belgium	500	799	1 395	1 118	1 325	Liechtenstein	-	-	-	-	-
Bulgaria	102	89	52	35	98	Lithuania	154	65	143	60	36
Croatia	0	109	131	49	122	Luxembourg	11	29	6	0	7
Cyprus	16	9	7	3	2	Malta	3	3	1	0	0
Czech Republic	737	1 233	2 521	585	627	Netherlands	12 853	2 982	8 067	6 178	5 080
Denmark	980	484	762	945	2 096	Norway	4 247	2 608	3 032	1 902	2 205
Estonia	149	55	43	77	74	Poland	4 684	2 182	2 100	4 956	6 828
Finland	541	192	206	165	432	Portugal	237	106	74	238	563
France	196	166	83	-	60	Romania	83	57	87	98	72
Germany	-	-	12 339	9 000	13 437	Slovakia	950	907	1 123	334	289
Greece	56	40	15	17	87	Slovenia	178	169	399	68	127
Hungary	5	20	20	5	5	Spain	1 804	1 678	2 607	6 863	4 095
Iceland	36	31	-	4	15	Sweden	289	237	703	603	679
Ireland	458	174	73	118	213	United Kingdom	11 986	6 077	4 043	5 482	7 360
Italy	489	523	670	503	965	EU/EEA	42 572	21 805	41 153	40 195	48 446

Source: Country reports. Legend: Y = yes, N = no, - = rate not calculated, due to surveillance system covering only infants less than six months, . = no data reported, ASR: age-standardised rate. Note: The German case definition includes cases due to B. parapertussis in addition to B. pertussis. Fewer than 3% of German cases were reported in 2014 and 2015 as B. parapertussis. Cases known to be due to B. parapertussis are excluded from 2016 onwards.

*30 EU/EEA countries.

References: 1. European Centre for Disease Prevention and Control. Annual Epidemiological Report 2016 (2014 data) for Pertussis. Available at: <https://ecdc.europa.eu/en/publications-data/pertussis-annual-epidemiological-report-2016-2014-data>. Last accessed March 2019. 2. European Centre for Disease Prevention and Control. Annual Epidemiological Report for 2016 data for Pertussis. Available at: <https://ecdc.europa.eu/sites/portal/files/documents/AER-for-2016-pertussis.pdf>. Last accessed March 2019.