



Table 1a: Laboratory confirmed cases of Pertussis infection by laboratory method, year and quarter, England: 2002-2013*

Year and Quarter	Culture	PCR	Serology	Oral Fluid	Total	Serology reports as % of total
2002-1	53		13	-	66	20%
2002-2	68	8	42	-	118	36%
2002-3	69	5	36	-	110	33%
2002-4	25	2	15	-	42	36%
2002 Total	215	15	106	-	336	32%
2003-1	15	1	7	-	23	30%
2003-2	28	1	13	-	42	31%
2003-3	47	7	25	-	79	32%
2003-4	12	5	31	-	48	65%
2003 Total	102	14	76	-	192	40%
2004-1	9	3	5	-	17	29%
2004-2	30	11	40	-	81	49%
2004-3	41	11	34	-	86	40%
2004-4	29	5	38	-	72	53%
2004 Total	109	30	117	-	256	46%
2005-1	39	11	24	-	74	32%
2005-2	35	9	30	-	74	41%
2005-3	69	17	54	-	140	39%
2005-4	27	8	43	-	78	55%
2005 Total	170	45	151	-	366	41%
2006-1	24	5	24	-	53	45%
2006-2	21	5	26	-	52	50%
2006-3	35	3	160	-	198	81%
2006-4	21	2	78	-	101	77%
2006 Total	101	15	288	-	404	71%
2007-1	13	2	76	-	91	84%
2007-2	24	6	103	-	133	77%
2007-3	43	19	152	-	214	71%
2007-4	20	16	141	-	177	80%
2007 Total	100	43	472	-	615	77%
2008-1	36	10	125	-	171	73%
2008-2	47	18	175	-	240	73%
2008-3	70	34	189	-	293	65%
2008-4	9	13	151	-	173	87%
2008 Total	162	75	640	-	877	73%
2009-1	19	13	104	-	136	76%
2009-2	36	14	146	-	196	74%
2009-3	30	18	179	-	227	79%
2009-4	10	4	120	-	134	90%
2009 Total	95	49	549	-	693	79%
2010-1	8	3	56	-	67	84%
2010-2	15	7	76	-	98	78%
2010-3	12	7	122	-	141	87%
2010-4	8	7	88	-	103	85%
2010 Total	43	24	342	-	409	84%
2011-1	22	12	66	-	100	66%
2011-2	48	12	138	-	198	70%
2011-3	50	25	256	-	331	77%
2011-4	39	27	358	-	424	84%
2011 Total	159	76	818	-	1053	78%
2012-1	72	22	608	-	702	87%
2012-2	83	60	1554	-	1697	92%
2012-3	155	77	3287	-	3519	93%
2012-4	66	34	3349	-	3449	97%
2012 Total	376	193	8798	-	9367	94%
2013-1	18	21	1553	33	1625	96%
2013-2	27	21	1047	25	1120	93%
2013-3	23	31	1050	25	1129	93%
2013-4	12	9	714	14	749	95%
2013 Total*	80	82	4364	97	4623	94%

*2013 are provisional data

The recent increase in pertussis notifications corresponds with the availability of enhanced diagnostic methods; since mid-2006 there has been greater awareness and use of these testing methods compared to previous years with an increasing proportion of reports diagnosed by PCR and/or serology (see Table 5 & Figure 2).



Table 1b: Laboratory confirmed cases of Pertussis infection by laboratory method, year and quarter, England and Wales: 2002-2013*

Year and Quarter	Culture	PCR	Serology	Oral Fluid	Total	Serology reports as % of total
2002-1	58	0	13	-	71	18%
2002-2	72	8	43	-	123	35%
2002-3	73	5	37	-	115	32%
2002-4	27	2	16	-	45	36%
2002 Total	230	15	109	-	354	31%
2003-1	15	1	7	-	23	30%
2003-2	32	1	14	-	47	30%
2003-3	53	7	27	-	87	31%
2003-4	15	5	32	-	52	62%
2003 Total	115	14	80	-	209	38%
2004-1	13	3	5	-	21	24%
2004-2	33	11	43	-	87	49%
2004-3	48	11	39	-	98	40%
2004-4	37	5	39	-	81	48%
2004 Total	131	30	126	-	287	44%
2005-1	45	11	24	-	80	30%
2005-2	37	9	31	-	77	40%
2005-3	77	17	55	-	149	37%
2005-4	29	8	43	-	80	54%
2005 Total	188	45	153	-	386	40%
2006-1	24	5	25	-	54	46%
2006-2	23	5	26	-	54	48%
2006-3	36	3	162	-	201	81%
2006-4	21	2	80	-	103	78%
2006 Total	104	15	293	-	412	71%
2007-1	14	2	78	-	94	83%
2007-2	24	6	103	-	133	77%
2007-3	45	19	153	-	217	71%
2007-4	22	16	142	-	180	79%
2007 Total	105	43	476	-	624	76%
2008-1	38	10	127	-	175	73%
2008-2	50	19	177	-	246	72%
2008-3	72	35	197	-	304	65%
2008-4	9	14	154	-	177	87%
2008 Total	169	78	655	-	902	73%
2009-1	20	13	104	-	137	76%
2009-2	42	16	154	-	212	73%
2009-3	32	18	186	-	236	79%
2009-4	10	4	120	-	134	90%
2009 Total	104	51	564	-	719	78%
2010-1	8	3	58	-	69	84%
2010-2	15	7	79	-	101	78%
2010-3	12	7	125	-	144	87%
2010-4	8	8	92	-	108	85%
2010 Total	43	25	354	-	422	84%
2011-1	22	13	67	-	102	66%
2011-2	54	12	143	-	209	68%
2011-3	61	25	270	-	356	76%
2011-4	42	30	382	-	454	84%
2011 Total	179	80	862	-	1121	77%
2012-1	73	26	622	-	721	86%
2012-2	89	62	1609	-	1760	91%
2012-3	166	79	3377	-	3622	93%
2012-4	69	34	3505	-	3608	97%
2012 Total	397	201	9113	-	9711	94%
2013-1	20	22	1630	35	1707	95%
2013-2	28	22	1091	28	1169	93%
2013-3	24	32	1102	25	1183	93%
2013-4	13	9	736	18	776	95%
2013 Total*	85	85	4559	106	4835	94%

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The recent increase in pertussis notifications corresponds with the availability of enhanced diagnostic methods; since mid-2006 there has been greater awareness and use of these testing methods compared to previous years with an increasing proportion of reports diagnosed by PCR and/or serology (see Table 5 & Figure 2).