

Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project



Bulletin No. 109 Data for week commencing 11th December 2006 Week 50 of 2006



This bulletin reports data from QRESEARCH - a nationally representative database of general practice derived data. Data are also reported from QFLU, a new daily collection and analysis service specifically established to support pandemic influenza planning. Further information on QRESEARCH and QFLU is available at <http://www.qresearch.org/>.

Your comments on this bulletin and the key indicators are welcomed. Further information on the project or the key indicators presented here can be obtained by contacting either Sally Harcourt or Sue Smith on 0121 634 8760 (email sally.harcourt@hpa.org.uk or sue.smith@hpa.org.uk).

Key messages this week:

QFLU - 2,987 practices reported from England, Wales, Scotland and Northern Ireland with a total **practice population of 19.6 million.**

	Trend	Rate* Week 50	Rate* week 49	Above/below week 50 of 2005	Highest rates	Comment
Influenza-like illness	→	6.9	6.7	Below	London West Midlands	In line with normal seasonal activity. One case of influenza-like illness with antivirals.
Influenza vaccine	↑	70.8%	68.3%	Below		These figures represent the cumulative percentage uptake for 65 years and over.
Pneumonia	→	1.2	1.3			
URTI	↑	266.1	258.5	Below	West Midlands London North West East of England East Midlands	In line with normal seasonal activity.

QRESEARCH - 470 practices reported from England, Wales, Scotland and Northern Ireland with a total **practice population of 3.1 million.**

	Trend	Rate* week 50	Rate* week 49	Above/below week 50 of 2005	Highest rates	Comment
Severe asthma	↑	7.8	7.3	Below	North West	
Wheeze	↓	27.9	30.4	Below	North East	
Vomiting	→	21.5	21.8	Below	North West	
Gastroenteritis	↓	67.1	69.2	Below	North East North West	
Diarrhoea (all ages)	→	32.7	35.7	Similar	North East North West South West	Nationally, 10% treated with oral rehydration therapy.
Diarrhoea in children under 5	↓	156.5	174.4	Similar	West Midlands	Nationally, 19% were treated with oral rehydration therapy.
Mumps	→	0.3	3 cases	Below		
Measles	→	No cases	2 cases	Similar		
Rubella	→	1 case	1 case	Similar		
Pertussis	→	1 case	No cases	Similar		
Impetigo	↓	10.3	11.2	Below		Nationally 51% were treated with fusidic acid.

* Rate per 100,000

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

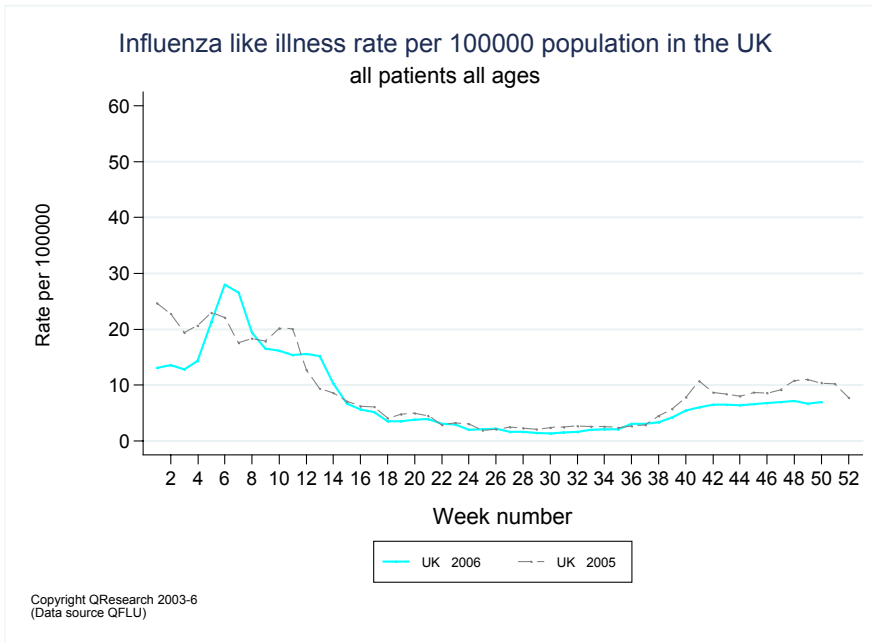
Contents:

	Page
Key Messages	1
<i>Key indicators: National rates</i>	
Graph 1: Influenza-like illness (QFLU)	3
Graph 2: Influenza by age group	3
Graph 3: Influenza vaccine uptake 65 years and over	4
Graph 4: Upper respiratory tract infection	4
Graph 5: Severe asthma	5
Graph 6: Wheeze	5
Graph 7: Vomiting	6
Graph 8: Gastroenteritis	6
Graph 9: Diarrhoea in children aged under 5 (<i>also shows rates in those aged over 5</i>)	7
Graph 10: Mumps	7
<i>Key indicators: Rates by Country, Region and Strategic Health Authority</i>	
Table 1: Influenza like illness & Upper respiratory tract infection (QFLU)	8
Table 2: Severe asthma and wheeze	10
Table 3: Vomiting and gastroenteritis	11
Table 4: Diarrhoea (all ages) and proportion treated with oral rehydration therapy	13
Table 5: Diarrhoea in children under 5 and proportion treated with oral rehydration therapy	15

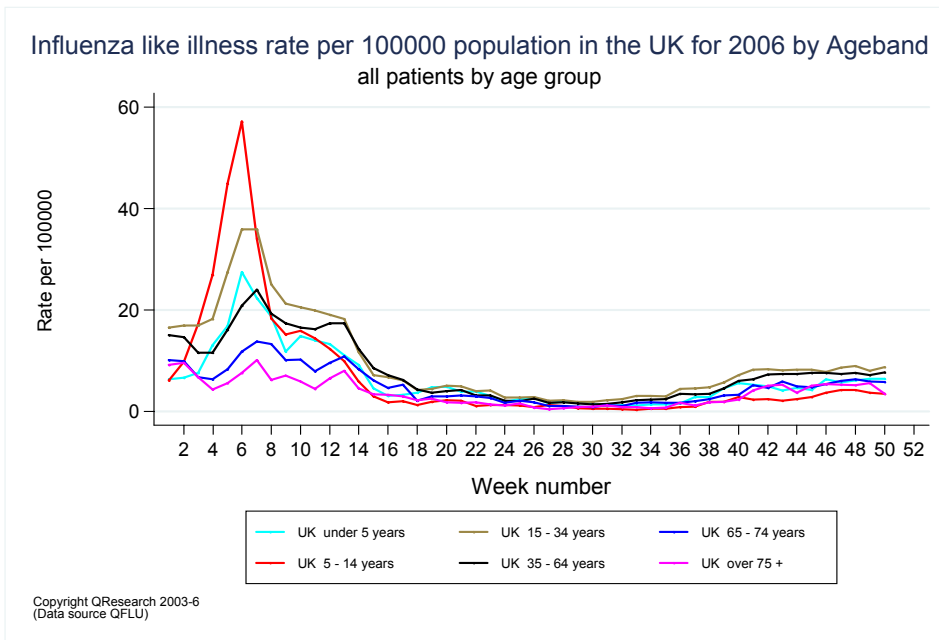
Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: National rates for week commencing 11th December 2006 – Week 50 of 2006.

Graph 1: Influenza-like illness – rate per 100,000 practice population, UK, 2006 compared to 2005 – includes patients recorded as having influenza-like symptoms, influenza or influenza with other respiratory symptoms/condition e.g. Influenza with pneumonia.



Graph 2: Influenza-like illness – rate per 100,000 practice population, UK, 2005/2006 by age group.

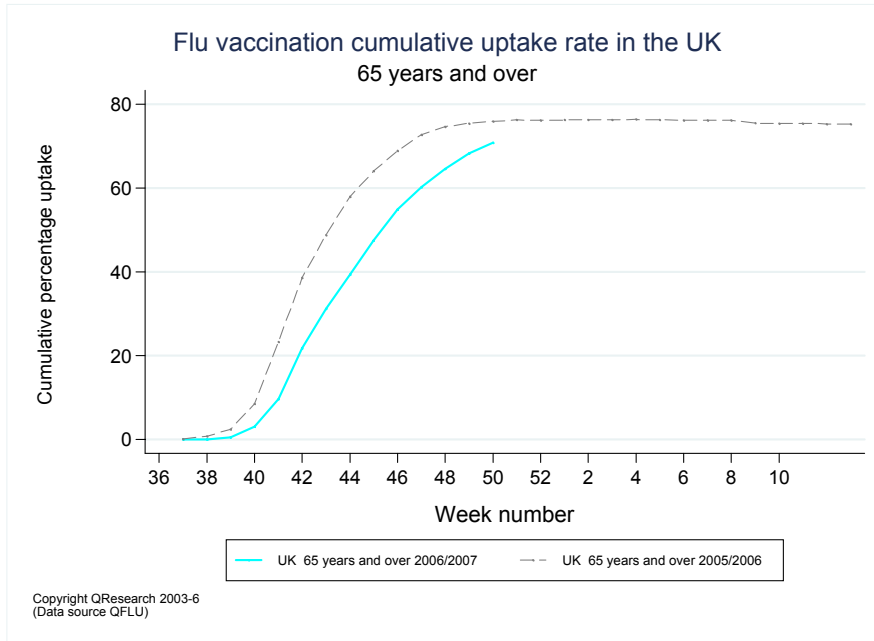


Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

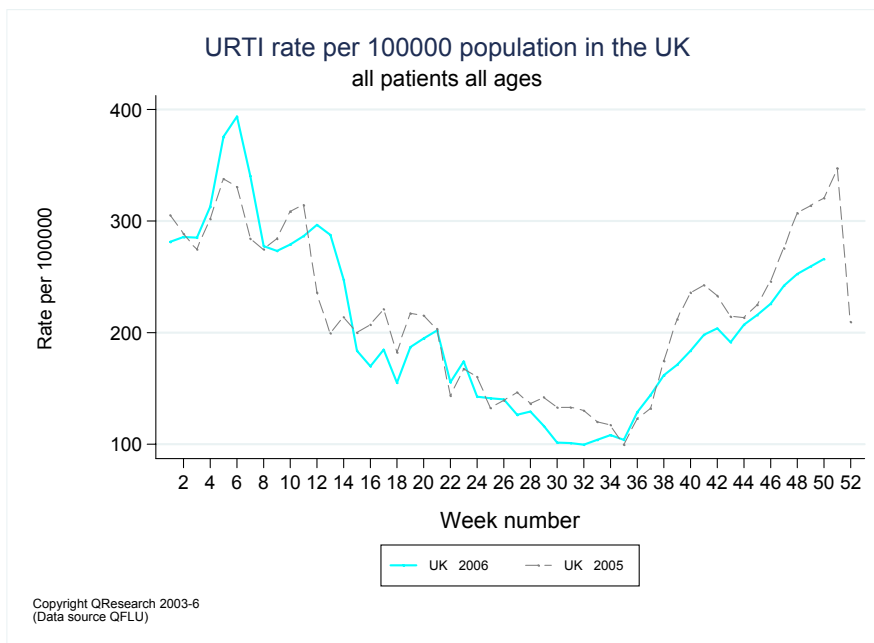
Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: National rates for week commencing 11th December 2006 – Week 50 of 2006.

Graph 3: Influenza vaccination cumulative percentage uptake in the UK (65 years and over), 2005/2006 compared to 2004/2005 – includes patients 65 years and over.



Graph 4: Upper respiratory tract infection– rate per 100,000 practice population, UK, 2006 compared to 2005

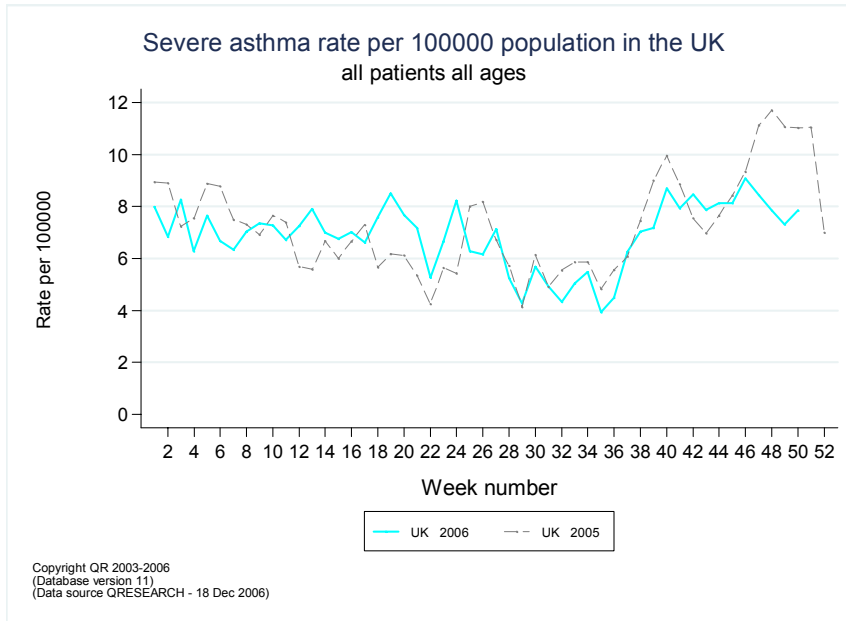


Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

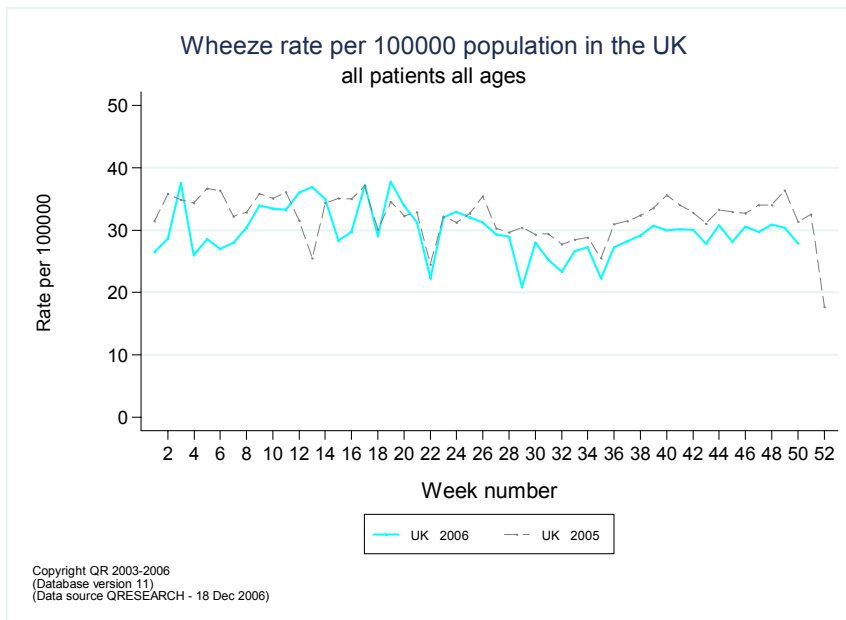
Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: National rates for week commencing 11th December 2006 – Week 50 of 2006.

Graph 5: Severe asthma – rate per 100,000 practice population, UK, 2006 compared to 2005 – includes patients recorded as having e.g. severe asthma attack, asthma attack, a step up change in asthma management plan, extrinsic asthma with asthma attack, acute exacerbation, status asthmaticus NOS.



Graph 6: Wheeze – rate per 100,000 practice population, UK, 2006 compared to 2005.

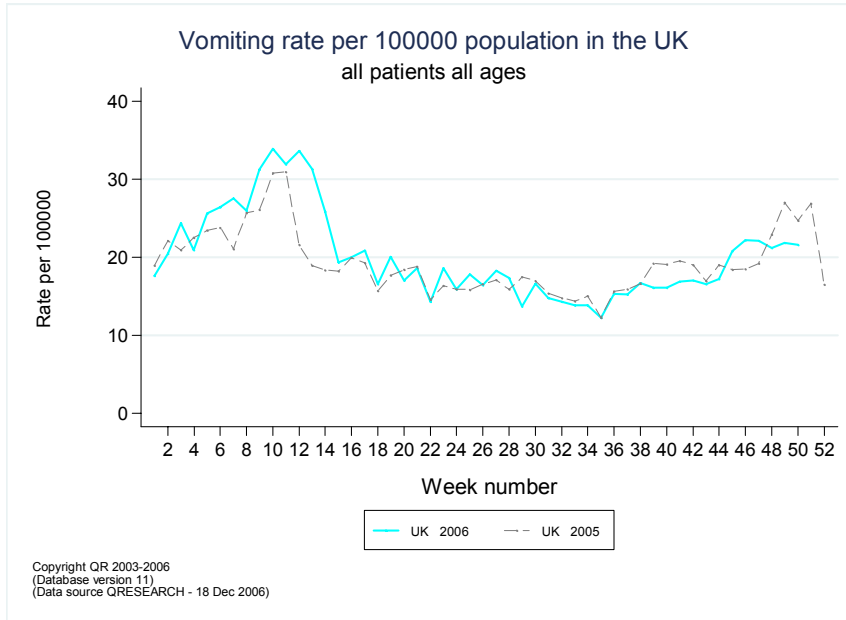


Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

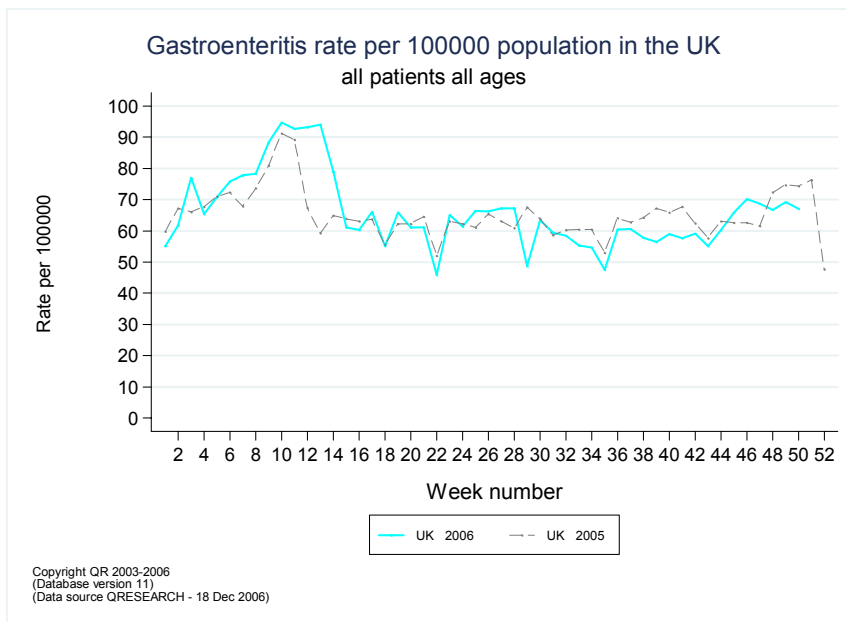
Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: National rates for week commencing 11th December 2006 – Week 50 of 2006.

Graph 7: Vomiting – rate per 100,000 practice population, UK, 2006 compared to 2005 – includes patients recorded as having e.g. Vomiting, nausea and vomiting, vomiting symptoms, diarrhoea and vomiting, projectile vomiting etc.



Graph 8: Gastroenteritis – rate per 100,000 practice population, UK, 2006 compared to 2005 – includes patients recorded as having e.g. vomiting, vomiting symptoms, vomiting-infective, diarrhoea symptoms, diarrhoea, infectious diarrhoea, epidemic diarrhoea, diarrhoea and vomiting etc.

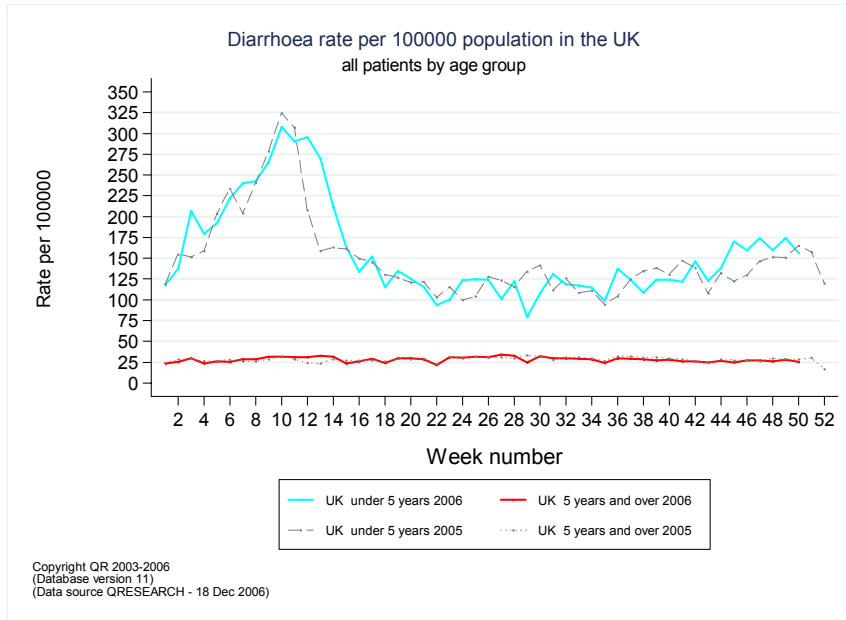


Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

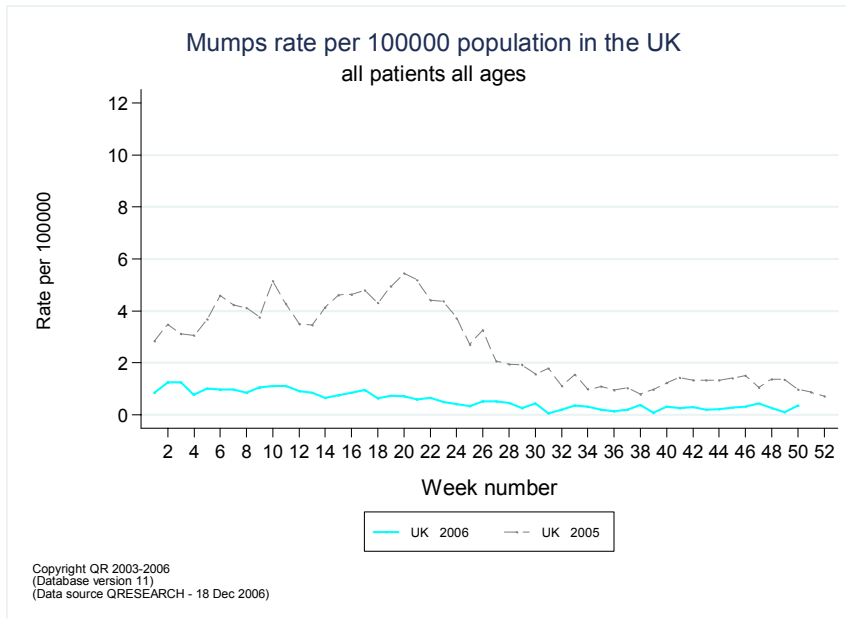
Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: National rates for week commencing 11th December 2006 – Week 50 of 2006.

Graph 9: Diarrhoea in children aged under 5 and rate for all aged 5 and over – rate per 100,000 practice population, UK, 2006 compared to 2005 – includes patients recorded as having e.g. diarrhoea symptoms, diarrhoea, infectious diarrhoea, epidemic diarrhoea, diarrhoea and vomiting etc.



Graph 10: Mumps – rate per 100,000 practice population, UK, 2005/2006 compared to 2004/2005: includes patients recorded as having e.g. mumps, mumps with no complication, mumps with unspecified complications, mumps meningitis etc.



Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Key Indicators: Rates by Country, Region and Strategic Health Authority (SHA) for week commencing 11th December 2006 – Week 50 of 2006.

Notes to accompany all tables:

- Only practices with data for the entire week have been included in the analysis for the week commencing 11th December 2006 and SHAs, Regions or countries where there are less than 3 practices reporting are excluded from the tables to ensure confidentiality of participating practices. The SHAs/regions/countries not included in this week's tables are:

Northern Ireland, Scotland and unclassified were excluded from tables 2-6.
- Cells highlighted in yellow are considered to be a significantly high result. Coded yellow if both the upper and lower confidence limits are above 100. The Standardised Incidence Ratio (SIR) is calculated using the UK as the standard population.

Table 1: Influenza-like illness and upper respiratory tract infection – rates per 100,000 practice population – Week 50 of 2006.

Week commencing 11th December 2006 from QFLU							
Country, Region, Strategic Health Authority	Denominator pop	Table 1: Influenza-like illness			Table 1: Upper Respiratory Tract Infection		
		Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
Scotland	-	-	-	-	-	-	-
North West	2215361	127	5.7	82.4 (68.9 - 98.3)	6363	287.2	107.9 (105.3 - 110.6)
<i>Cumbria and Lancashire</i>	807422	34	4.2	60.6 (42.4 - 85.4)	2058	254.8	95.8 (91.7 - 100.0)
<i>Greater Manchester</i>	570616	41	7.1	103.3 (74.8 - 141.2)	1487	260.5	97.9 (93.0 - 103.0)
Cheshire and Merseyside	837323	52	6.2	89.3 (67.2 - 117.8)	2818	336.5	126.5 (121.8 - 131.2)
North East	1065523	55	5.1	74.2 (56.3 - 97.2)	2403	225.5	84.7 (81.4 - 88.2)
<i>Northumberland & Tyne and Wear</i>	651412	36	5.5	79.5 (56.2 - 110.9)	1485	227.9	85.7 (81.4 - 90.1)
<i>County Durham & Tees Valley</i>	414111	19	4.5	66.0 (40.5 - 104.6)	918	221.6	83.3 (78.0 - 88.9)
Yorkshire & Humberside	1896914	70	3.6	53.1 (41.6 - 67.3)	4172	219.9	82.6 (80.2 - 85.2)
<i>North and East Yorkshire & Northern Lincolnshire</i>	733325	22	3.0	43.1 (27.5 - 66.2)	1480	201.8	75.8 (72.0 - 79.8)
<i>West Yorkshire</i>	783639	38	4.8	69.7 (49.8 - 96.5)	1945	248.2	93.3 (89.2 - 97.5)
<i>South Yorkshire</i>	379950	10	2.6	37.8 (18.9 - 71.4)	747	196.6	73.9 (68.7 - 79.4)
East Midlands	1749077	102	5.8	83.9 (68.6 - 102.1)	4827	275.9	103.7 (100.8 - 106.7)
<i>Trent</i>	893616	53	5.9	85.3 (64.3 - 112.2)	2341	261.9	98.4 (94.5 - 102.5)
Leicestershire, Northamptonshire and Rutland	855461	49	5.7	82.4 (61.4 - 109.6)	2486	290.6	109.2 (105.0 - 113.6)
West Midlands	2036876	172	8.4	121.4 (104.2 - 141.3)	6236	306.1	115.0 (112.2 - 117.9)

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QFLU							
Country, Region, Strategic Health Authority	Denominator pop	Table 1: Influenza-like illness			Table 1: Upper Respiratory Tract Infection		
		Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
<i>Shropshire and Staffordshire</i>	786125	62	7.8	113.4 (87.5 - 146.1)	2342	297.9	111.9 (107.5 - 116.6)
<i>Birmingham and the Black Country</i>	828602	92	11.1	159.7 (129.2 - 196.5)	2864	345.6	129.9 (125.2 - 134.7)
<i>West Midlands South</i>	422149	18	4.2	61.3 (37.1 - 98.4)	1030	243.9	91.7 (86.2 - 97.5)
East of England	1727669	78	4.5	64.9 (51.6 - 81.4)	4893	283.2	106.4 (103.5 - 109.5)
<i>Norfolk, Suffolk and Cambridgeshire</i>	805473	30	3.7	53.6 (36.6 - 77.2)	2243	278.4	104.6 (100.4 - 109.1)
<i>Bedfordshire and Hertfordshire</i>	625641	32	5.1	73.6 (50.9 - 104.8)	1928	308.1	115.8 (110.7 - 121.1)
<i>Essex</i>	296555	16	5.3	77.6 (45.4 - 128.2)	722	243.4	91.5 (85.0 - 98.4)
South East	2778558	159	5.7	82.3 (70.2 - 96.3)	7268	261.5	98.3 (96.0 - 100.6)
<i>Surrey and Sussex</i>	1114252	51	4.5	65.8 (49.4 - 87.1)	2904	260.6	97.9 (94.4 - 101.6)
<i>Thames Valley</i>	837261	50	5.9	85.9 (64.2 - 113.9)	2149	256.6	96.4 (92.4 - 100.6)
<i>Hampshire and Isle of Wight</i>	560754	41	7.3	105.1 (76.1 - 143.7)	1545	275.5	103.5 (98.5 - 108.8)
<i>Kent and Medway</i>	266291	17	6.3	91.8 (54.7 - 149.4)	670	251.6	94.5 (87.6 - 102.0)
London	3661969	472	12.8	185.4 (169.1 - 203.0)	10592	289.2	108.7 (106.6 - 110.8)
<i>North East London</i>	692201	111	16.0	230.6 (190.3 - 278.5)	1879	271.4	102.0 (97.5 - 106.7)
<i>North Central London</i>	658382	58	8.8	126.7 (96.8 - 164.6)	1825	277.1	104.2 (99.5 - 109.1)
<i>North West London</i>	1171808	165	14.0	202.5 (173.1 - 236.3)	3501	298.7	112.3 (108.6 - 116.1)
<i>South East London</i>	643115	80	12.4	178.9 (142.5 - 223.5)	1854	288.2	108.3 (103.5 - 113.4)
<i>South West London</i>	496463	58	11.6	168.0 (128.4 - 218.3)	1533	308.7	116.0 (110.3 - 122.0)
South West	1920845	96	4.9	71.9 (58.4 - 88.1)	4042	210.4	79.1 (76.7 - 81.6)
<i>Avon, Gloucestershire and Wiltshire</i>	958191	47	4.9	70.5 (52.2 - 94.4)	2121	221.3	83.2 (79.7 - 86.8)
<i>Dorset and Somerset</i>	602888	25	4.1	59.6 (39.2 - 89.0)	1215	201.5	75.7 (71.5 - 80.1)
<i>South West Peninsula</i>	359766	24	6.6	95.9 (62.4 - 144.4)	706	196.2	73.7 (68.4 - 79.4)
Wales	305221	12	3.9	56.5 (30.2 - 100.9)	843	276.1	103.8 (96.9 - 111.1)
Northern Ireland	244280	20	8.1	117.7 (73.3 - 184.4)	544	222.6	83.7 (76.8 - 91.1)
All England	19052792	1331	6.9	100.5 (95.2 - 106.0)	50796	266.6	100.2 (99.3 - 101.1)
UK	19615464	1364	6.9	100	52203	266.1	100
Unclassified	-	-	-	-	-	-	-

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

Health Protection Agency and Nottingham University Division of Primary Care Collaborative National Surveillance Project

Table 2: Severe Asthma and Wheeze – rates per 100,000 practice population – Week 50 of 2006.

Week commencing 11th December 2006 from QRESEARCH							
Country, Region, Strategic Health Authority	Denominator pop	Table 2: Severe Asthma			Table 2: Wheeze		
		Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
Scotland	-	-	-	-	-	-	-
North West	291076	31	10.6	135.8 (93.4 - 194.6)	96	32.9	118.1 (96.1 - 144.7)
<i>Cumbria and Lancashire</i>	109185	11	10.0	128.4 (66.5 - 235.3)	34	31.1	111.5 (78.1 - 157.2)
<i>Greater Manchester</i>	54402	6	11.0	140.6 (55.4 - 318.1)	12	22.0	79.0 (42.2 - 141.1)
<i>Cheshire and Merseyside</i>	127489	14	10.9	140.0 (78.7 - 239.4)	50	39.2	140.5 (105.0 - 186.3)
North East	149818	14	9.3	119.1 (67.0 - 203.8)	80	53.3	191.3 (152.4 - 239.0)
<i>Northumberland & Tyne and Wear</i>	112437	11	9.7	124.7 (64.6 - 228.5)	36	32.0	114.7 (81.2 - 160.1)
<i>County Durham & Tees Valley</i>	37381	<5	8.0	102.3 (24.7 - 318.6)	44	117.7	421.6 (308.9 - 569.9)
Yorkshire & Humberside	302273	28	9.2	118.1 (79.5 - 172.5)	74	24.4	87.7 (69.2 - 110.6)
<i>North and East Yorkshire & Northern Lincolnshire</i>	159870	12	7.5	95.7 (51.1 - 170.9)	36	22.5	80.7 (57.1 - 112.6)
<i>West Yorkshire</i>	104646	<5	2.8	36.6 (8.8 - 113.8)	18	17.2	61.6 (37.3 - 98.9)
<i>South Yorkshire</i>	37757	13	34.4	439.0 (241.0 - 766.1)	20	52.9	189.7 (118.1 - 297.2)
East Midlands	479367	37	7.7	98.4 (70.0 - 136.7)	133	27.7	99.4 (83.4 - 118.1)
<i>Trent</i>	304565	24	7.8	100.5 (65.4 - 151.3)	88	28.8	103.5 (83.3 - 128.0)
<i>Leicestershire, Northamptonshire and Rutland</i>	174802	13	7.4	94.8 (52.1 - 165.5)	45	25.7	92.2 (67.8 - 124.2)
West Midlands	238830	18	7.5	96.1 (58.2 - 154.2)	75	31.4	112.5 (88.9 - 141.6)
<i>Shropshire and Staffordshire</i>	77506	<5	5.1	65.8 (20.1 - 177.5)	31	39.9	143.3 (98.5 - 205.3)
<i>Birmingham and the Black Country</i>	102326	8	7.8	99.7 (45.3 - 202.5)	29	28.3	101.5 (68.9 - 147.3)
<i>West Midlands South</i>	58998	6	10.1	129.7 (51.1 - 293.3)	15	25.4	91.1 (52.3 - 152.9)
East of England	281871	20	7.0	90.5 (56.3 - 141.7)	65	23.0	82.6 (64.1 - 105.8)
<i>Norfolk, Suffolk and Cambridgeshire</i>	142210	14	9.8	125.5 (70.6 - 214.7)	28	19.6	70.5 (47.5 - 103.0)
<i>Bedfordshire and Hertfordshire</i>	102299	<5	1.9	24.9 (3.9 - 97.7)	31	30.3	108.6 (74.6 - 155.5)
<i>Essex</i>	37362	<5	10.7	136.5 (41.7 - 368.1)	6	16.0	57.5 (22.7 - 130.1)
South East	536079	37	6.9	88.0 (62.6 - 122.3)	114	21.2	76.2 (63.0 - 91.8)
<i>Surrey and Sussex</i>	170797	9	5.2	67.2 (32.2 - 131.1)	34	19.9	71.3 (49.9 - 100.5)

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QRESEARCH							
Country, Region, Strategic Health Authority	Denominator pop	Table 2: Severe Asthma			Table 2: Wheeze		
		Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
Thames Valley	204970	19	9.2	118.2 (72.6 - 187.3)	35	17.0	61.2 (43.1 - 85.8)
Hampshire and Isle of Wight	100962	9	8.9	113.7 (54.4 - 221.8)	22	21.7	78.1 (49.8 - 119.7)
Kent and Medway	59350	0	0.0	0.0 (0.0 - 0.0)	23	38.7	138.8 (89.5 - 210.9)
London	369055	26	7.0	89.8 (59.5 - 133.1)	91	24.6	88.3 (71.4 - 108.8)
North East London	106942	<5	3.7	47.7 (14.6 - 128.6)	14	13.0	46.9 (26.4 - 80.2)
North Central London	71669	<5	4.1	53.4 (12.9 - 166.2)	16	22.3	80.0 (46.8 - 132.1)
North West London	55850	<5	3.5	45.7 (7.1 - 178.9)	15	26.8	96.2 (55.3 - 161.6)
South East London	117519	12	10.2	130.2 (69.5 - 232.4)	45	38.2	137.2 (100.9 - 184.8)
South West London	17075	5	29.2	373.3 (132.4 - 910.6)	<5	5.8	21.0 (0.9 - 131.1)
South West	421495	32	7.5	96.8 (67.0 - 137.9)	124	29.4	105.4 (87.9 - 126.0)
Avon, Gloucestershire and Wiltshire	221449	20	9.0	115.1 (71.7 - 180.3)	58	26.1	93.8 (71.7 - 121.9)
Dorset and Somerset	128894	5	3.8	49.5 (17.5 - 120.6)	39	30.2	108.4 (77.8 - 149.3)
South West Peninsula	71152	7	9.8	125.4 (53.6 - 267.4)	27	37.9	135.9 (90.8 - 199.9)
Wales	52966	<5	3.7	48.1 (7.5 - 188.6)	20	37.7	135.3 (84.2 - 211.8)
Northern Ireland	-	-	-	-	-	-	-
All England	3069864	243	7.9	100.9 (88.8 - 114.6)	852	27.7	99.4 (92.9 - 106.4)
UK	3123660	245	7.8	100.0	872	27.9	100.0
Unclassified	-	-	-	-	-	-	-

Table 3: Vomiting and Gastroenteritis – rates per 100,000 practice population – Week 50 of 2006.

Week commencing 11th December 2006 from QRESEARCH						
Country, Region, SHA	Table 3: Vomiting			Table 3: Gastroenteritis		
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
Scotland	-	-	-	-	-	-
North West	86	29.5	136.9 (110.0 - 169.7)	236	81.0	120.8 (106.0 - 137.4)
Cumbria and Lancashire	26	23.8	110.4 (73.1 - 163.5)	81	74.1	110.5 (88.1 - 137.9)
Greater Manchester	17	31.2	144.8 (86.3 - 235.7)	37	68.0	101.3 (72.0 - 140.8)
Cheshire and Merseyside	43	33.7	156.3 (114.1 - 212.0)	118	92.5	137.9 (114.5 - 165.5)

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QRESEARCH						
Country, Region, SHA	Table 3: Vomiting			Table 3: Gastroenteritis		
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
North East	40	26.6	123.7 (89.2 - 169.7)	136	90.7	135.2 (113.7 - 160.3)
<i>Northumberland & Tyne and Wear</i>	31	27.5	127.8 (87.9 - 183.1)	102	90.7	135.1 (110.6 - 164.5)
<i>County Durham & Tees Valley</i>	9	24.0	111.6 (53.4 - 217.8)	34	90.9	135.5 (94.9 - 191.0)
Yorkshire & Humberside	59	19.5	90.5 (69.3 - 117.3)	172	56.9	84.8 (72.7 - 98.6)
<i>North and East Yorkshire & Northern Lincolnshire</i>	36	22.5	104.4 (73.8 - 145.7)	97	60.6	90.4 (73.6 - 110.6)
<i>West Yorkshire</i>	13	12.4	57.6 (31.6 - 100.5)	52	49.6	74.0 (55.7 - 97.6)
<i>South Yorkshire</i>	10	26.4	122.7 (61.3 - 231.6)	23	60.9	90.7 (58.5 - 137.8)
East Midlands	102	21.2	98.6 (80.7 - 120.1)	318	66.3	98.8 (88.3 - 110.4)
<i>Trent</i>	70	22.9	106.5 (83.5 - 135.2)	199	65.3	97.3 (84.4 - 112.0)
<i>Leicestershire, Northamptonshire and Rutland</i>	32	18.3	84.8 (58.7 - 120.9)	119	68.0	101.4 (84.3 - 121.7)
West Midlands	65	27.2	126.1 (97.9 - 161.5)	184	77.0	114.8 (99.0 - 132.8)
<i>Shropshire and Staffordshire</i>	17	21.9	101.7 (60.6 - 165.4)	62	79.9	119.2 (91.9 - 153.5)
<i>Birmingham and the Black Country</i>	32	31.2	144.9 (100.3 - 206.5)	86	84.0	125.2 (100.6 - 155.2)
<i>West Midlands South</i>	16	27.1	125.7 (73.6 - 207.6)	36	61.0	90.9 (64.3 - 126.9)
East of England	62	21.9	101.9 (78.6 - 131.3)	161	57.1	85.1 (72.6 - 99.5)
<i>Norfolk, Suffolk and Cambridgeshire</i>	35	24.6	114.1 (80.3 - 160.0)	83	58.3	86.9 (69.5 - 108.2)
<i>Bedfordshire and Hertfordshire</i>	21	20.5	95.1 (60.0 - 147.4)	60	58.6	87.4 (67.1 - 113.0)
<i>Essex</i>	6	16.0	74.4 (29.3 - 168.3)	18	48.1	71.8 (43.5 - 115.2)
South East	71	13.2	61.4 (48.2 - 77.8)	291	54.2	80.9 (71.9 - 90.8)
<i>Surrey and Sussex</i>	13	7.6	35.3 (19.4 - 61.6)	76	44.4	66.3 (52.5 - 83.3)
<i>Thames Valley</i>	31	15.1	70.1 (48.2 - 100.4)	116	56.5	84.3 (69.9 - 101.4)
<i>Hampshire and Isle of Wight</i>	15	14.8	68.9 (39.6 - 115.6)	63	62.3	92.9 (71.8 - 119.5)
<i>Kent and Medway</i>	12	20.2	93.7 (50.1 - 167.3)	36	60.6	90.4 (63.9 - 126.1)
London	90	24.3	113.0 (91.2 - 139.4)	276	74.7	111.4 (98.8 - 125.5)
<i>North East London</i>	24	22.4	104.0 (67.7 - 156.6)	94	87.8	130.9 (106.2 - 160.8)
<i>North Central London</i>	12	16.7	77.6 (41.5 - 138.5)	41	57.2	85.2 (61.7 - 116.4)
<i>North West London</i>	20	35.8	166.0 (103.3 - 259.9)	46	82.3	122.7 (90.5 - 164.7)
<i>South East London</i>	30	25.5	118.3 (80.8 - 170.5)	83	70.6	105.2 (84.2 - 130.9)
<i>South West London</i>	<5	23.4	108.6 (33.1 - 292.8)	12	70.2	104.7 (55.9 - 186.9)

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QRESEARCH						
Country, Region, SHA	Table 3: Vomiting			Table 3: Gastroenteritis		
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)
South West	89	21.1	97.9 (78.9 - 120.8)	288	68.3	101.8 (90.5 - 114.4)
<i>Avon, Gloucestershire and Wiltshire</i>	53	23.9	110.9 (83.7 - 145.9)	149	67.2	100.2 (85.0 - 117.9)
<i>Dorset and Somerset</i>	10	7.7	36.0 (18.0 - 67.8)	82	63.6	94.8 (75.7 - 118.1)
South West Peninsula	26	36.5	169.4 (112.2 - 250.9)	57	80.1	119.3 (91.0 - 155.4)
Wales	10	18.8	87.5 (43.7 - 165.1)	35	66.0	98.4 (69.3 - 138.0)
Northern Ireland	-	-	-	-	-	-
All England	664	21.6	100.2 (92.8 - 108.2)	2062	67.1	100.1 (95.8 - 104.5)
UK	674	21.5	100.0	2097	67.1	100.0
Unclassified	-	-	-	-	-	-

Table 4: Diarrhoea (all ages) and proportion treated with oral rehydration therapy – rates per 100,000 practice population – Week 50 of 2006.

Week commencing 11th December 2006 from QRESEARCH					
Country, Region, SHA	Table 4: Diarrhoea (all ages) and proportion treated with oral rehydration therapy				
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Number Treated	% Treated
Scotland	-	-	-	-	-
North West	117	40.1	122.6 (101.7 - 147.3)	15	12.8
<i>Cumbria and Lancashire</i>	46	42.1	128.5 (94.8 - 172.5)	8	17.4
<i>Greater Manchester</i>	14	25.7	78.5 (44.1 - 134.3)	<5	14.3
Cheshire and Merseyside	57	44.7	136.4 (104.0 - 177.6)	5	8.8
North East	61	40.7	124.2 (95.6 - 160.3)	<5	4.9
<i>Northumberland & Tyne and Wear</i>	45	40.0	122.1 (89.8 - 164.5)	<5	4.4
<i>County Durham & Tees Valley</i>	16	42.8	130.6 (76.5 - 215.7)	<5	6.3
Yorkshire & Humberside	93	30.7	93.9 (76.0 - 115.4)	6	6.5
<i>North and East Yorkshire & Northern Lincolnshire</i>	58	36.2	110.7 (84.6 - 143.8)	<5	1.7
<i>West Yorkshire</i>	25	23.8	72.9 (47.9 - 108.8)	<5	12.0
<i>South Yorkshire</i>	10	26.4	80.8 (40.3 - 152.4)	<5	20.0
East Midlands	155	32.3	98.6 (83.9 - 115.7)	14	9.0
<i>Trent</i>	98	32.1	98.2 (80.0 - 120.0)	10	10.2
<i>Leicestershire, Northamptonshire and Rutland</i>	57	32.6	99.5 (75.8 - 129.6)	<5	7.0
West Midlands	86	36.0	109.8 (88.2 - 136.1)	9	10.5

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QRESEARCH					
Country, Region, SHA	Table 4: Diarrhoea (all ages) and proportion treated with oral rehydration therapy				
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Number Treated	% Treated
<i>Shropshire and Staffordshire</i>	26	33.5	102.3 (67.8 - 151.6)	5	19.2
<i>Birmingham and the Black Country</i>	45	43.9	134.1 (98.6 - 180.7)	<5	8.9
<i>West Midlands South</i>	15	25.4	77.6 (44.6 - 130.2)	0	0.0
East of England	57	20.2	61.7 (47.0 - 80.3)	<5	7.0
<i>Norfolk, Suffolk and Cambridgeshire</i>	29	20.3	62.2 (42.2 - 90.2)	<5	6.9
<i>Bedfordshire and Hertfordshire</i>	19	18.5	56.7 (34.8 - 89.8)	<5	10.5
<i>Essex</i>	9	24.0	73.5 (35.2 - 143.4)	0	0.0
South East	160	29.8	91.0 (77.7 - 106.5)	14	8.8
<i>Surrey and Sussex</i>	47	27.5	83.9 (62.2 - 112.3)	<5	6.4
<i>Thames Valley</i>	55	26.8	81.9 (62.1 - 107.1)	5	9.1
<i>Hampshire and Isle of Wight</i>	35	34.6	105.7 (74.4 - 148.3)	<5	11.4
<i>Kent and Medway</i>	23	38.7	118.2 (76.2 - 179.6)	<5	8.7
London	122	33.0	100.8 (84.0 - 120.7)	26	21.3
<i>North East London</i>	43	40.2	122.7 (89.5 - 166.4)	9	20.9
<i>North Central London</i>	19	26.5	80.9 (49.7 - 128.1)	<5	10.5
<i>North West London</i>	13	23.2	71.0 (39.0 - 123.9)	6	46.2
<i>South East London</i>	37	31.4	96.0 (68.3 - 133.4)	5	13.5
<i>South West London</i>	10	58.5	178.7 (89.2 - 337.0)	<5	40.0
South West	164	38.9	118.7 (101.4 - 138.6)	6	3.7
<i>Avon, Gloucestershire and Wiltshire</i>	89	40.1	122.6 (98.8 - 151.4)	<5	3.4
<i>Dorset and Somerset</i>	48	37.2	113.6 (84.4 - 151.6)	<5	4.2
<i>South West Peninsula</i>	27	37.9	115.8 (77.4 - 170.2)	<5	3.7
Wales	9	16.9	51.8 (24.8 - 101.2)	0	0.0
Northern Ireland	-	-	-	-	-
All England	1015	33.0	100.9 (94.8 - 107.3)	97	9.6
UK	1024	32.7	100.0	97	9.5
Unclassified	-	-	-	-	-

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Table 5: Diarrhoea in the under 5's and proportion treated with oral rehydration therapy - rate per 100,000 practice population - Week 50 of 2006.

Week commencing 11th December 2006 from QRESEARCH					
Country, Region, SHA	Table 5: Diarrhoea with Oral Rehydration – children under 5				
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Number Treated	% Treated
Scotland	-	-	-	-	-
North West	31	194.6	124.4 (85.5 - 178.2)	8	25.8
<i>Cumbria and Lancashire</i>	10	191.8	122.5 (61.2 - 231.2)	5	50.0
<i>Greater Manchester</i>	8	225.6	144.1 (65.6 - 292.9)	<5	25.0
<i>Cheshire and Merseyside</i>	13	181.4	115.9 (63.6 - 202.3)	<5	7.7
North East	10	127.0	81.1 (40.5 - 153.1)	<5	10.0
<i>Northumberland & Tyne and Wear</i>	8	138.4	88.5 (40.2 - 179.7)	<5	12.5
<i>County Durham & Tees Valley</i>	<5	95.4	60.9 (9.5 - 238.8)	0	0.0
Yorkshire & Humberside	31	192.7	123.1 (84.6 - 176.4)	<5	9.7
<i>North and East Yorkshire & Northern Lincolnshire</i>	19	251.6	160.8 (98.8 - 254.8)	0	0.0
<i>West Yorkshire</i>	8	125.4	80.1 (36.4 - 162.8)	<5	37.5
<i>South Yorkshire</i>	<5	185.2	118.3 (36.1 - 319.2)	0	0.0
East Midlands	36	135.9	86.8 (61.4 - 121.2)	8	22.2
<i>Trent</i>	20	126.1	80.6 (50.2 - 126.2)	6	30.0
<i>Leicestershire, Northamptonshire and Rutland</i>	16	150.4	96.1 (56.3 - 158.8)	<5	12.5
West Midlands	29	220.6	140.9 (95.6 - 204.4)	<5	6.9
<i>Shropshire and Staffordshire</i>	11	283.7	181.2 (93.8 - 332.0)	<5	18.2
<i>Birmingham and the Black Country</i>	12	207.3	132.5 (70.8 - 236.5)	0	0.0
<i>West Midlands South</i>	6	172.3	110.1 (43.4 - 249.0)	0	0.0
East of England	11	69.2	44.2 (22.9 - 81.0)	<5	27.3
<i>Norfolk, Suffolk and Cambridgeshire</i>	7	97.2	62.1 (26.5 - 132.5)	<5	28.6
<i>Bedfordshire and Hertfordshire</i>	<5	30.6	19.6 (3.0 - 76.7)	<5	50.0
<i>Essex</i>	<5	92.2	58.9 (9.2 - 230.9)	0	0.0
South East	36	122.4	78.2 (55.3 - 109.1)	5	13.9
<i>Surrey and Sussex</i>	11	115.1	73.6 (38.1 - 134.8)	0	0.0
<i>Thames Valley</i>	12	99.6	63.6 (34.0 - 113.6)	<5	16.7
<i>Hampshire and Isle of Wight</i>	6	113.2	72.3 (28.5 - 163.6)	<5	16.7
<i>Kent and Medway</i>	7	278.2	177.7 (75.9 - 378.8)	<5	28.6
London	48	190.8	121.9 (90.6 - 162.6)	16	33.3
<i>North East London</i>	15	193.3	123.5 (71.0 - 207.4)	5	33.3
<i>North Central London</i>	8	165.1	105.5 (48.0 - 214.4)	<5	25.0

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.

**Health Protection Agency and Nottingham University Division
of Primary Care
Collaborative National Surveillance Project**

Week commencing 11th December 2006 from QRESEARCH					
Country, Region, SHA	Table 5: Diarrhoea with Oral Rehydration – children under 5				
	Observed number of cases	Rate per 100,000	SIR (95% upper and lower confidence limits)	Number Treated	% Treated
<i>North West London</i>	8	235.0	150.2 (68.3 - 305.1)	<5	50.0
<i>South East London</i>	14	173.8	111.1 (62.4 - 189.9)	<5	28.6
<i>South West London</i>	<5	273.4	174.7 (42.2 - 543.8)	<5	33.3
South West	36	178.3	113.9 (80.6 - 159.0)	<5	11.1
<i>Avon, Gloucestershire and Wiltshire</i>	17	152.7	97.6 (58.2 - 158.8)	<5	17.6
<i>Dorset and Somerset</i>	12	203.9	130.3 (69.6 - 232.6)	<5	8.3
<i>South West Peninsula</i>	7	220.3	140.7 (60.1 - 300.0)	0	0.0
Wales	<5	104.6	66.8 (16.1 - 208.0)	0	0.0
Northern Ireland	-	-	-	-	-
All England	268	157.5	100.6 (89.0 - 113.5)	50	18.7
UK	271	156.5	100.0	50	18.5
Unclassified	-	-	-	-	-

Data for week commencing 00.01hrs Monday 11th December 2006 from version 11 of the QRESEARCH database and version 4.5 of the QFLU database. Information from this bulletin may be quoted provided the source of the data and version of the database is included in any publication or presentation. We acknowledge the contribution of EMIS and EMIS practices.