



**GIG**  
CYMRU  
**NHS**  
WALES

Iechyd Cyhoeddus  
Cymru  
Public Health  
Wales

# **Public Health Wales Vaccine Preventable Disease Programme**

## **Uptake of Childhood immunisation – LHB practice level reports**

**Aneurin Bevan LHB**

**July 2009 – June 2010**

## Contents

1. Purpose and Background.....	2
2. LHB Summary.....	3
2.1 Practice level data – Blaenau Gwent LA .....	4
2.2 Practice level data – Caerphilly LA.....	9
2.3 Practice level data – Monmouthshire LA .....	14
2.4 Practice level data – Newport LA .....	19
2.5 Practice level data – Torfaen LA .....	24

## 1. Purpose and Background

This report is intended to assist LHBs and practices in improving uptake of immunisation against childhood disease. Immunisation saves lives. Millions of deaths worldwide are prevented annually through immunisation. The target uptake for all scheduled childhood immunisations at Health Board in Wales is 95%. This is based on the uptake needed to achieve 'herd-immunity', prevent spread in the population and effectively control vaccine preventable infectious diseases.

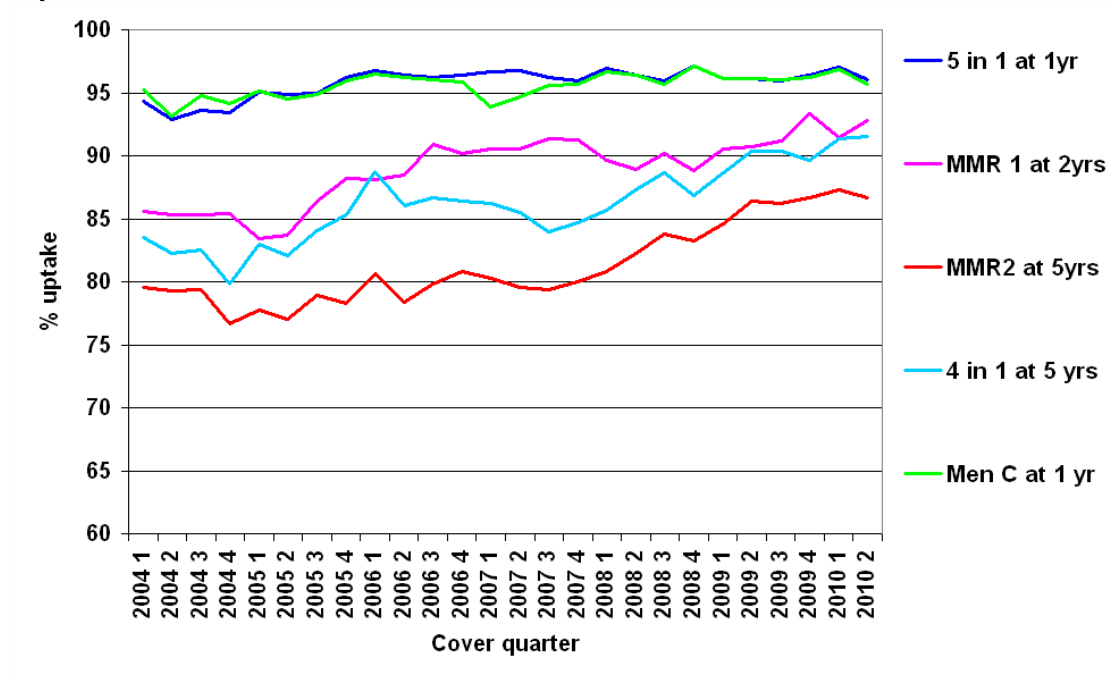
The data contained in this report is taken from the National Community Child Health Database (NCCHD). The quality of the information in the NCCHD, and therefore in this report, is dependent on the completeness of local Trust Child Health records and return of forms from practices. LHB children for whom practice details are not available are included in the report as 'unknown'.

This report gives an overview of the spreads of practice level uptake rates for routine childhood immunisations with Welsh Local Health Boards, in children reaching their first, second, fifth, 15<sup>th</sup> and 16<sup>th</sup> birthdays during the 01/07/2009 – 30/06/2010 period. The 95% uptake target is included on the charts in this report only as a guide.

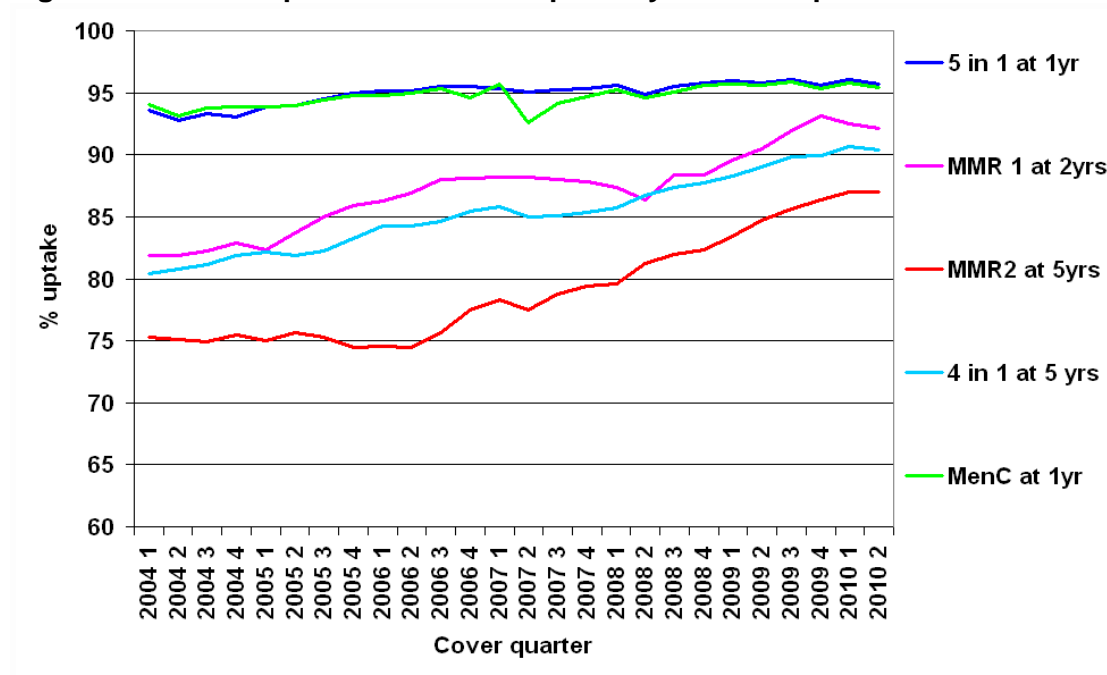
Data presented in this report are based on children in the appropriate birth cohorts and who are recorded on the Child Health Database as being registered with LHB practices, by Local Authority (LA) area. As a result data contained here will not be an exact match to the data contained in the quarterly and annual COVER reports, which is based solely on residence within LA boundaries, not on practice registration

## 2. LHB trends and uptake data

**Figure 1. Uptake trends for LHB resident children from quarterly COVER reports\*\***



**Figure 2. National uptake trends from quarterly COVER reports \*\***



\*\* Source – NPHS quarterly COVER reports:

Intranet link: <http://howis.wales.nhs.uk/sites3/page.cfm?orgid=474&pid=21302>

Internet link: <http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=27778>

### 2.1 Practice level data – Blaenau Gwent LA\*

Random Code	Children reaching 1 year of age				Children reaching 2 years of age			Children reaching 5 years of age				Children reaching 15 years of age					Children reaching 16 years of age								
	Resident children (n)	5 in 1		MenC		Resident children (n)	MMR1		Resident children (n)	4 in 1 (pre-school booster)		MMR1	MMR2		Resident children (n)	MMR1		MMR2		3 in 1 (booster)		Resident children (n)	3 in 1 (booster)		
		(n)	(n)	(%)	(n)		(%)	(n)		(n)	(%)		(n)	(n)		(%)	(n)	(n)	(%)	(n)	(n)		(%)	(n)	(n)
7	96	95	99.0	95	99.0	115	107	93.0	85	76	89.4	79	92.9	72	84.7	92	87	94.6	82	89.1	3	3.3	117	6	5.1
15	78	77	98.7	77	98.7	84	78	92.9	92	86	93.5	88	95.7	83	90.2	102	99	97.1	91	89.2	0	0.0	95	3	3.2
2	77	77	100.0	77	100.0	83	76	91.6	72	67	93.1	66	91.7	64	88.9	90	86	95.6	81	90.0	0	0.0	86	2	2.3
4	74	73	98.6	73	98.6	89	83	93.3	72	65	90.3	68	94.4	64	88.9	73	62	84.9	55	75.3	1	1.4	69	0	0.0
9	60	57	95.0	58	96.7	85	82	96.5	48	40	83.3	46	95.8	36	75.0	81	73	90.1	66	81.5	0	0.0	84	1	1.2
16	54	54	100.0	54	100.0	41	41	100.0	49	48	98.0	49	100.0	48	98.0	60	57	95.0	56	93.3	1	1.7	63	32	50.8
17	51	51	100.0	51	100.0	52	48	92.3	39	37	94.9	37	94.9	35	89.7	50	49	98.0	44	88.0	4	8.0	56	7	12.5
3	49	49	100.0	49	100.0	63	62	98.4	50	44	88.0	50	100.0	43	86.0	54	52	96.3	45	83.3	1	1.9	62	0	0.0
5	49	49	100.0	49	100.0	55	51	92.7	47	43	91.5	46	97.9	42	89.4	40	36	90.0	33	82.5	0	0.0	54	0	0.0
13	44	43	97.7	43	97.7	39	37	94.9	59	55	93.2	57	96.6	53	89.8	67	59	88.1	50	74.6	0	0.0	62	8	12.9
1	40	40	100.0	40	100.0	36	35	97.2	28	27	96.4	28	100.0	27	96.4	32	32	100.0	31	96.9	0	0.0	49	0	0.0
8	39	38	97.4	38	97.4	45	41	91.1	45	38	84.4	41	91.1	36	80.0	30	28	93.3	26	86.7	0	0.0	54	5	9.3
12	30	29	96.7	29	96.7	20	20	100.0	22	20	90.9	22	100.0	20	90.9	25	23	92.0	20	80.0	0	0.0	26	2	7.7
Unknown	20	20	100.0	20	100.0	4	2	50.0	2	1	50.0	0	0.0	0	0.0	14	11	78.6	9	64.3	0	0.0	14	0	0.0
10	16	16	100.0	16	100.0	30	29	96.7	23	21	91.3	22	95.7	19	82.6	20	20	100.0	18	90.0	0	0.0	34	1	2.9
11	16	15	93.8	15	93.8	16	12	75.0	23	21	91.3	21	91.3	18	78.3	31	29	93.5	28	90.3	0	0.0	28	1	3.6
6	0	0		0		1	1	100.0	1	1	100.0	1	100.0	1	100.0	0	0		0		0		0	0	

\*Data is presented as immunisations given rather than details for specific antigens:

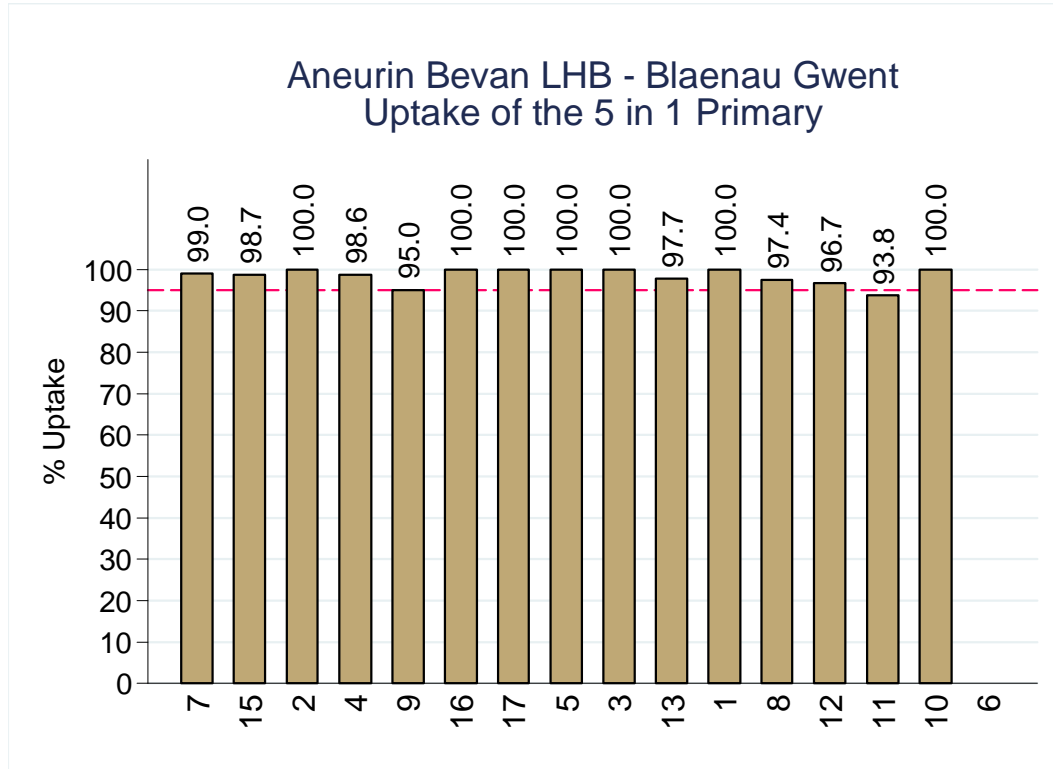
- 5 in 1 vaccine                   Diphtheria, Tetanus, Pertussis, Polio, *Haemophilus influenzae* type b (Hib) (using pertussis as proxy)
- MenC                               Meningococcal group C
- MMR1                               Measles, Mumps, Rubella (1<sup>st</sup> dose)
- MMR2                               Measles, Mumps, Rubella (2<sup>nd</sup> dose)
- 4 in 1                               Diphtheria, Tetanus, Pertussis, Polio (using pertussis as proxy) – Pre-school booster
- 3 in 1 (booster)                 Diphtheria, Tetanus, Polio (using diphtheria as proxy) – Teenage booster

Below 90%

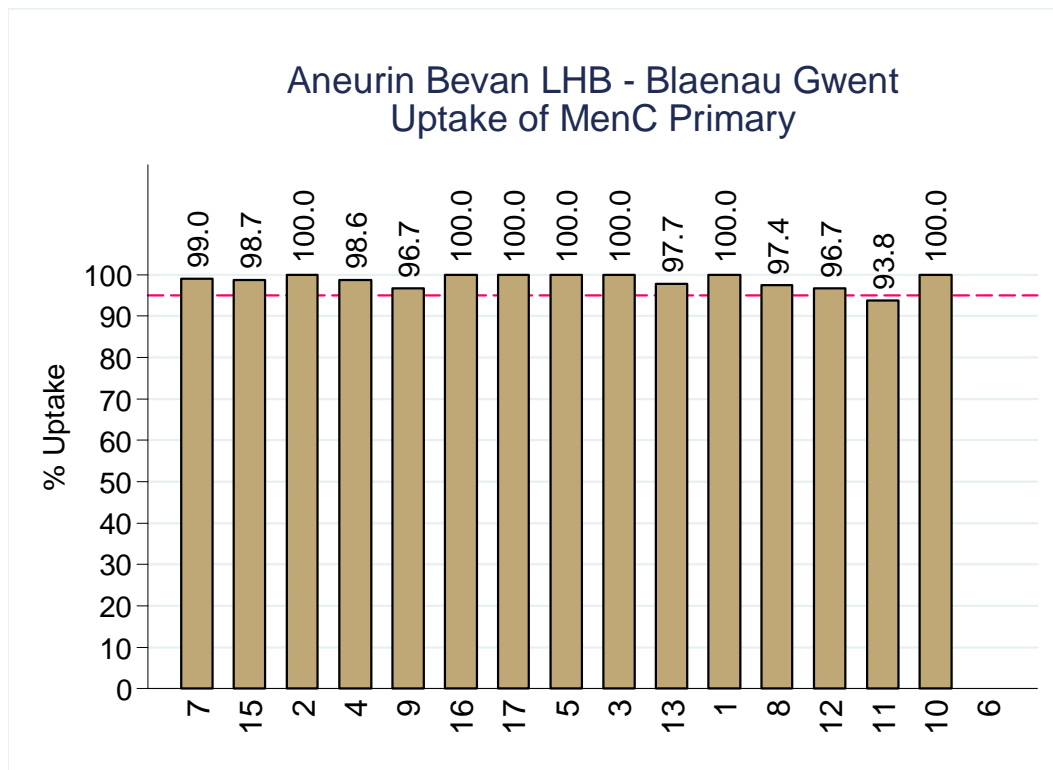
90% up to 95%

95% and higher

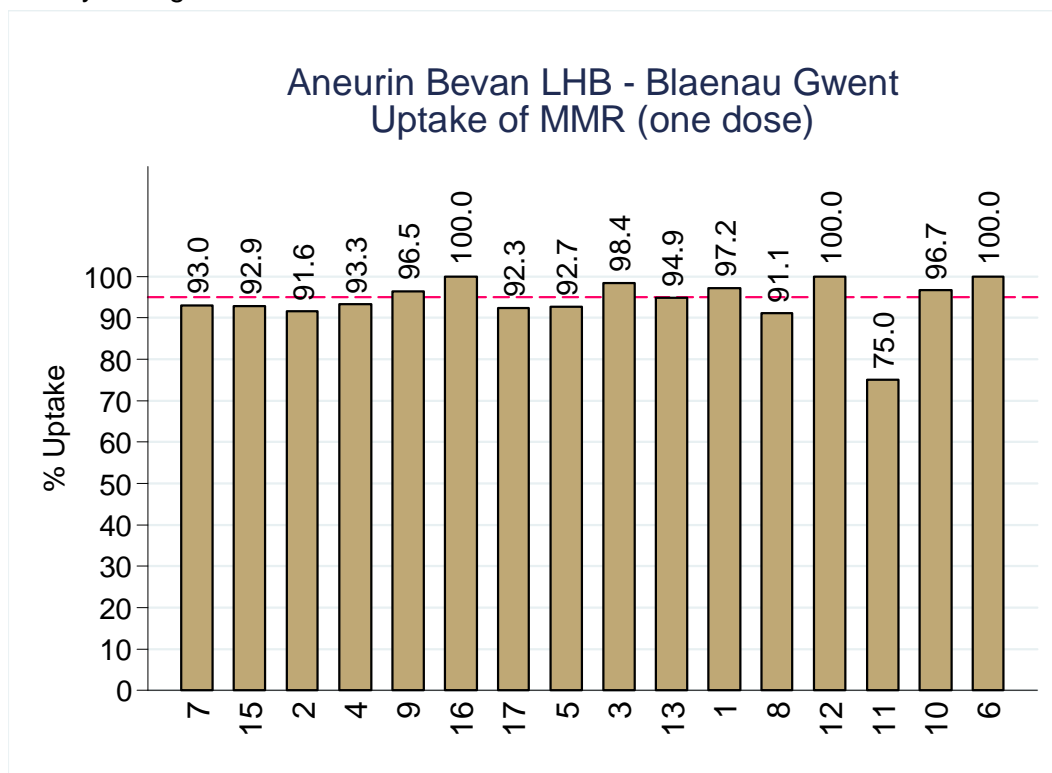
**Figure 2.1.1** Uptake of 5 in 1 vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



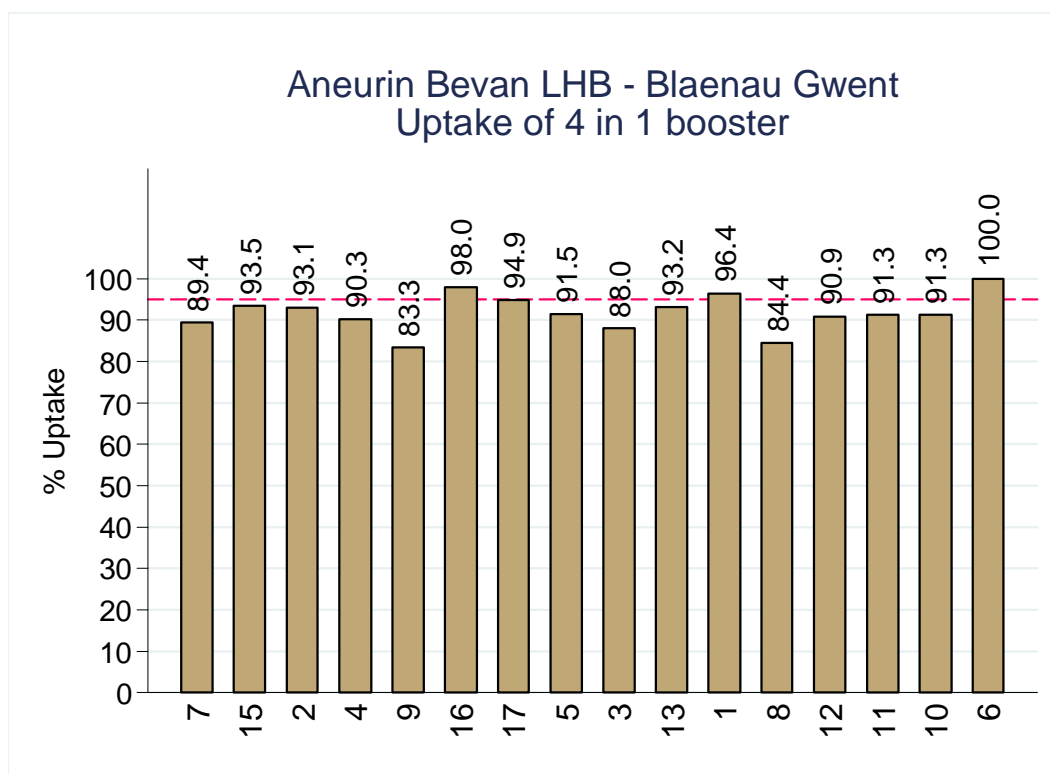
**Figure 2.1.2** Uptake of MenC vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



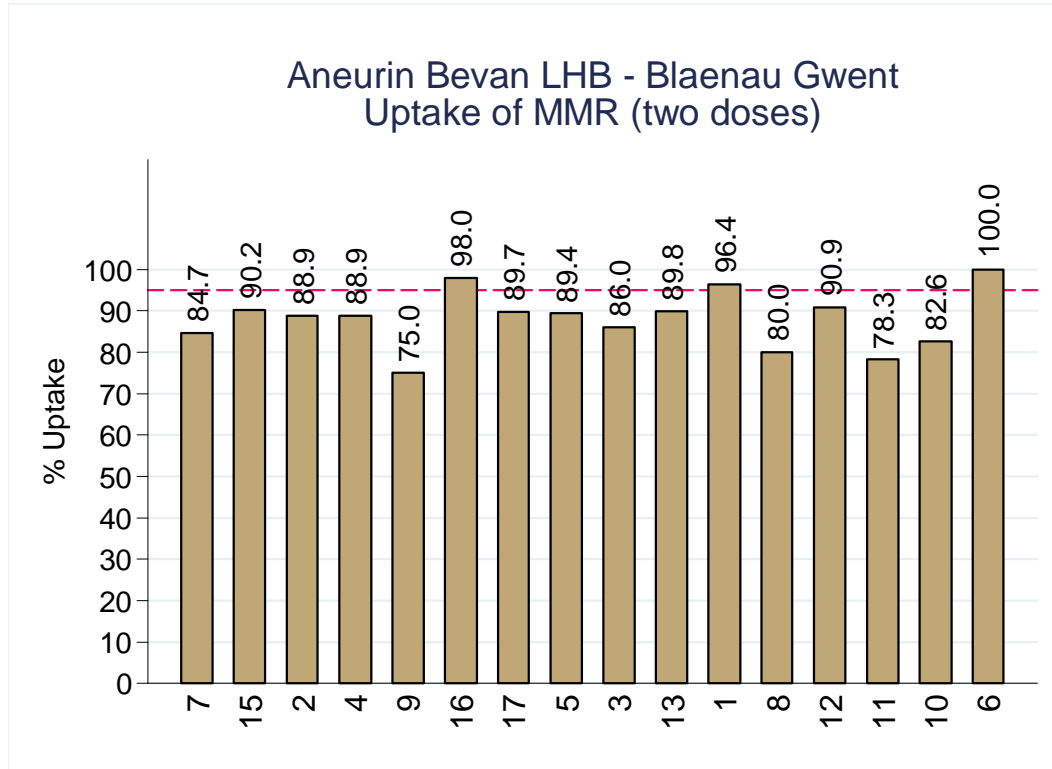
**Figure 2.1.3** Uptake of MMR vaccine (one dose) in children reaching their second birthday during 01/07/2009 – 30/06/2010.



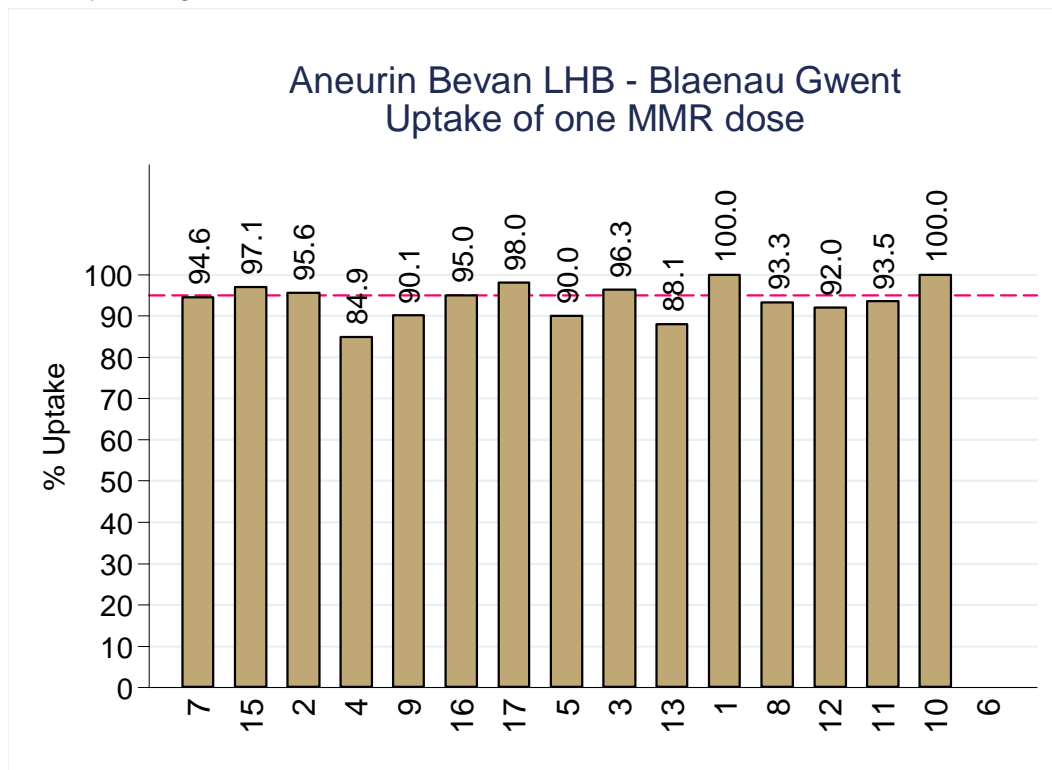
**Figure 2.1.4** Uptake of 4 in 1 vaccine in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



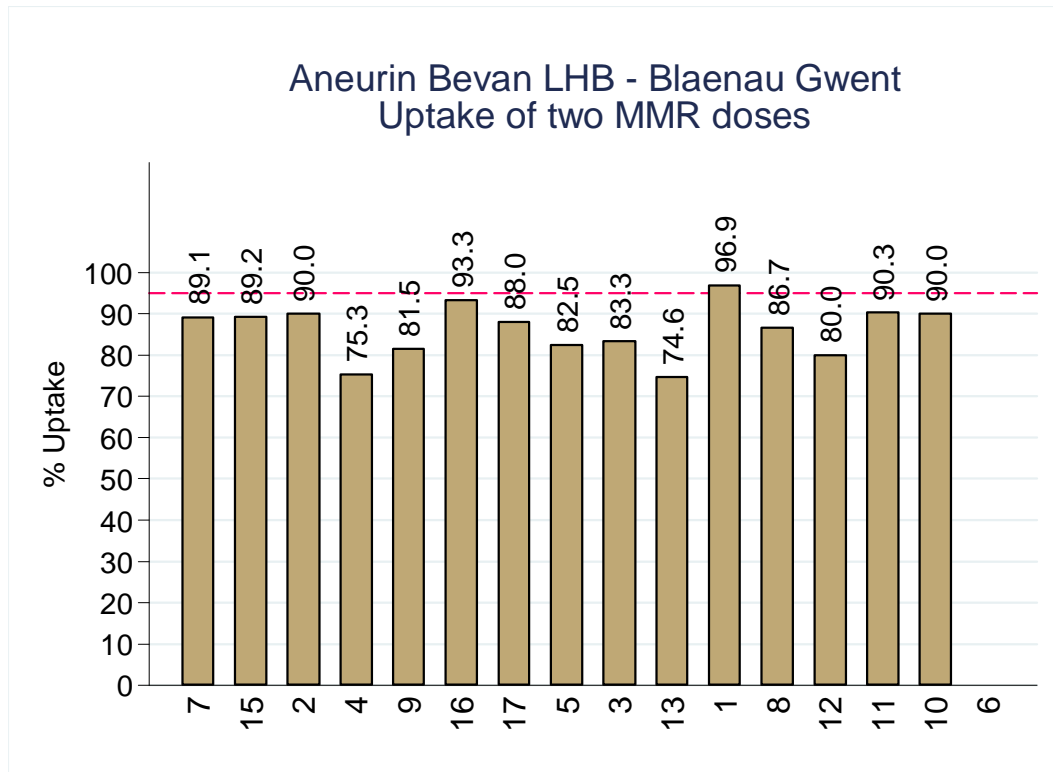
**Figure 2.1.5** Uptake of MMR vaccine (two doses) in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



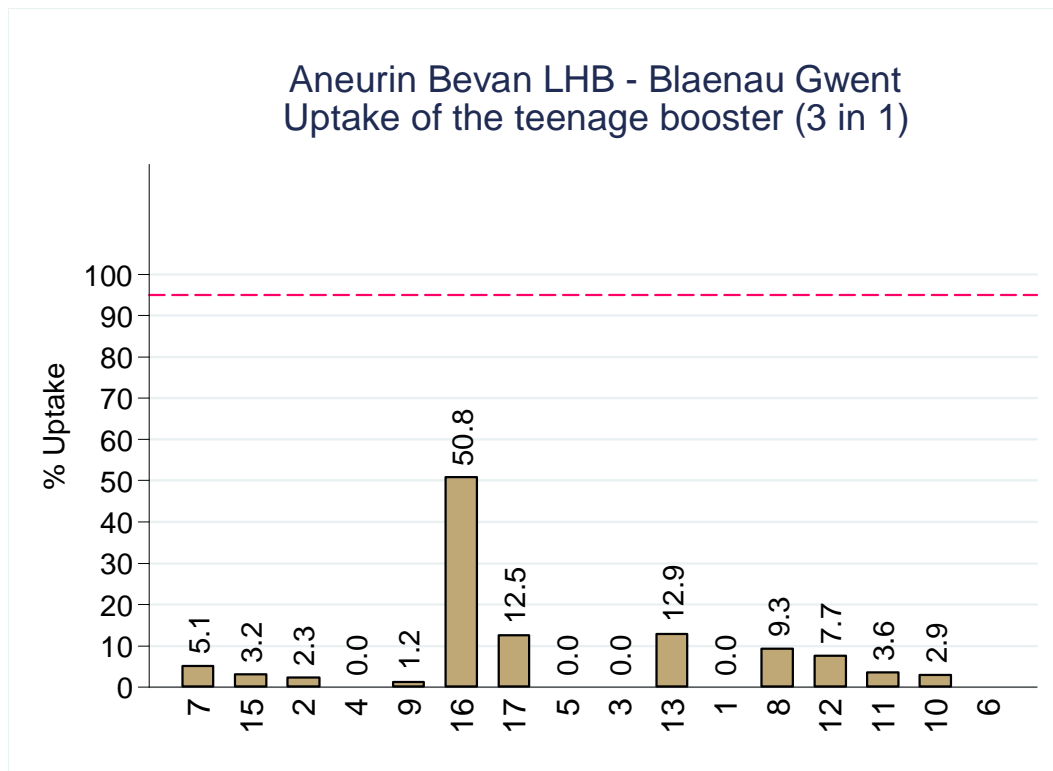
**Figure 2.1.6** Uptake of MMR vaccine (one dose) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.1.7** Uptake of MMR vaccine (two doses) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.1.8** Uptake of 3 in 1 teenage booster in children reaching their 16th birthday during 01/07/2009 – 30/06/2010.





2.2 Practice level data – Caerphilly LA\*

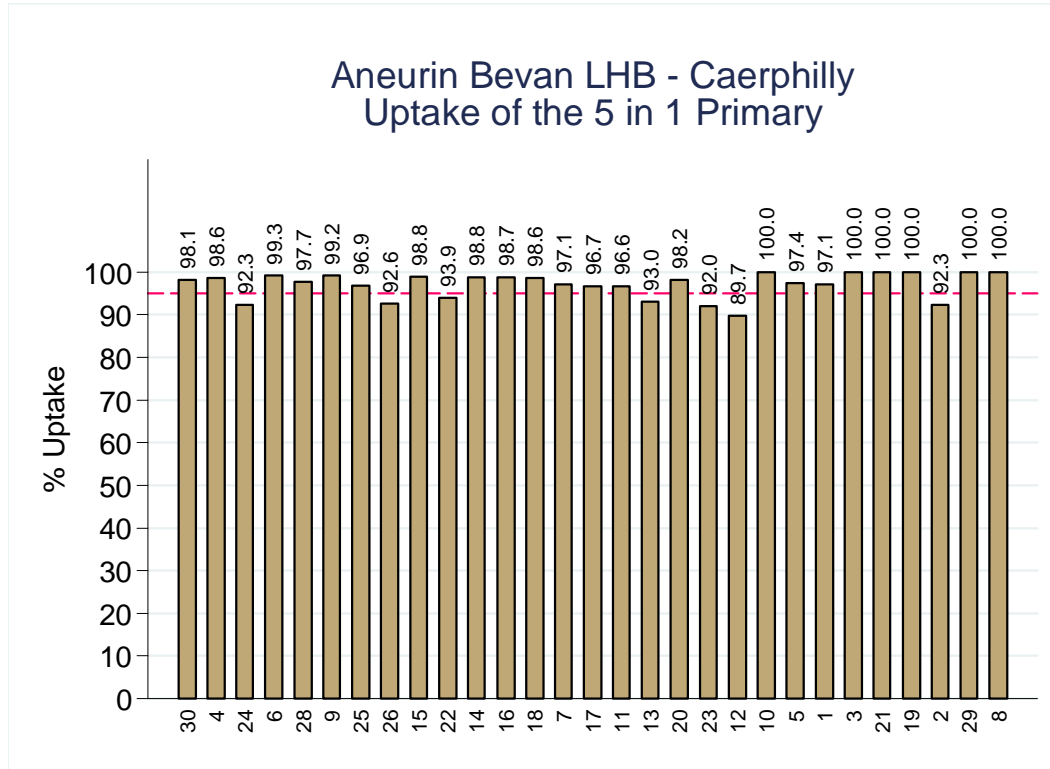
Random Code	Children reaching 1 year of age				Children reaching 2 years of age			Children reaching 5 years of age				Children reaching 15 years of age					Children reaching 16 years of age								
	Resident children (n)	5 in 1 (n) (%)		MenC (n) (%)		Resident children (n)	MMR1 (n) (%)		Resident children (n)	4 in 1 (pre-school booster) (n) (%)		MMR1 (n) (%)		MMR2 (n) (%)		Resident children (n)	MMR1 (n) (%)		MMR2 (n) (%)		3 in 1 (booster) (n) (%)		Resident children (n)	3 in 1 (booster) (n) (%)	
30	158	155	98.1	156	98.7	162	158	97.5	147	139	94.6	137	93.2	132	89.8	186	174	93.5	161	86.6	1	0.5	183	6	3.3
4	148	146	98.6	146	98.6	169	156	92.3	135	123	91.1	129	95.6	119	88.1	119	107	89.9	100	84.0	15	12.6	121	35	28.9
24	142	131	92.3	131	92.3	152	144	94.7	136	118	86.8	126	92.6	116	85.3	149	129	86.6	110	73.8	6	4.0	142	10	7.0
6	135	134	99.3	133	98.5	121	115	95.0	112	103	92.0	106	94.6	102	91.1	117	108	92.3	100	85.5	10	8.5	91	13	14.3
28	128	125	97.7	125	97.7	127	118	92.9	102	89	87.3	99	97.1	86	84.3	108	98	90.7	89	82.4	13	12.0	109	15	13.8
9	122	121	99.2	121	99.2	141	135	95.7	122	114	93.4	112	91.8	107	87.7	131	119	90.8	110	84.0	17	13.0	136	21	15.4
25	96	93	96.9	92	95.8	105	99	94.3	93	89	95.7	92	98.9	87	93.5	92	85	92.4	79	85.9	0	0.0	93	2	2.2
26	94	87	92.6	87	92.6	124	111	89.5	82	73	89.0	80	97.6	73	89.0	106	91	85.8	71	67.0	0	0.0	100	0	0.0
15	86	85	98.8	85	98.8	92	82	89.1	98	90	91.8	95	96.9	83	84.7	101	92	91.1	74	73.3	4	4.0	105	4	3.8
14	82	81	98.8	81	98.8	75	72	96.0	66	57	86.4	62	93.9	55	83.3	86	80	93.0	76	88.4	3	3.5	74	7	9.5
22	82	77	93.9	77	93.9	72	62	86.1	63	58	92.1	61	96.8	54	85.7	75	63	84.0	45	60.0	4	5.3	62	5	8.1
Unknown	81	78	96.3	78	96.3	27	24	88.9	18	10	55.6	12	66.7	9	50.0	61	39	63.9	35	57.4	0	0.0	49	2	4.1
16	77	76	98.7	76	98.7	83	78	94	80	74	92.5	78	97.5	70	87.5	86	81	94.2	70	81.4	0	0	80	2	2.5
18	70	69	98.6	68	97.1	74	73	98.6	59	54	91.5	54	91.5	49	83.1	50	45	90	42	84	1	2	67	7	10.4
7	69	67	97.1	67	97.1	65	61	93.8	84	80	95.2	83	98.8	76	90.5	66	64	97	58	87.9	7	10.6	80	9	11.3
17	61	59	96.7	58	95.1	56	49	87.5	53	50	94.3	48	90.6	45	84.9	50	48	96	44	88	5	10	69	28	40.6
11	59	57	96.6	57	96.6	62	59	95.2	52	43	82.7	49	94.2	42	80.8	78	68	87.2	63	80.8	1	1.3	77	2	2.6
13	57	53	93	53	93	73	67	91.8	69	60	87	64	92.8	59	85.5	62	54	87.1	50	80.6	30	48.4	62	32	51.6
20	56	55	98.2	55	98.2	46	43	93.5	53	50	94.3	51	96.2	49	92.5	66	61	92.4	55	83.3	1	1.5	65	2	3.1
23	50	46	92	46	92	38	34	89.5	50	45	90	48	96	43	86	52	46	88.5	43	82.7	3	5.8	44	18	40.9
12	39	35	89.7	35	89.7	28	26	92.9	23	22	95.7	21	91.3	21	91.3	30	27	90	27	90	0	0	35	2	5.7
10	39	39	100	39	100	37	34	91.9	44	43	97.7	42	95.5	41	93.2	60	55	91.7	52	86.7	0	0	58	3	5.2
5	38	37	97.4	37	97.4	47	36	76.6	48	37	77.1	43	89.6	35	72.9	52	45	86.5	36	69.2	0	0	61	0	0
1	34	33	97.1	33	97.1	50	47	94	55	49	89.1	50	90.9	48	87.3	49	45	91.8	40	81.6	0	0	60	0	0
3	32	32	100	32	100	30	27	90	37	36	97.3	37	100	36	97.3	25	22	88	21	84	0	0	39	0	0
21	29	29	100	29	100	38	34	89.5	27	26	96.3	26	96.3	25	92.6	36	31	86.1	25	69.4	0	0	30	3	10
19	27	27	100	27	100	31	28	90.3	33	30	90.9	33	100	27	81.8	27	25	92.6	21	77.8	2	7.4	34	6	17.6
2	26	24	92.3	24	92.3	20	19	95	30	30	100	30	100	29	96.7	49	44	89.8	36	73.5	7	14.3	42	7	16.7
29	20	20	100	20	100	20	17	85	21	20	95.2	21	100	19	90.5	20	15	75	15	75	0	0	17	0	0
8	20	20	100	20	100	35	34	97.1	33	28	84.8	32	97	28	84.8	37	36	97.3	36	97.3	1	2.7	30	0	0

\*Data is presented as immunisations given rather than details for specific antigens:

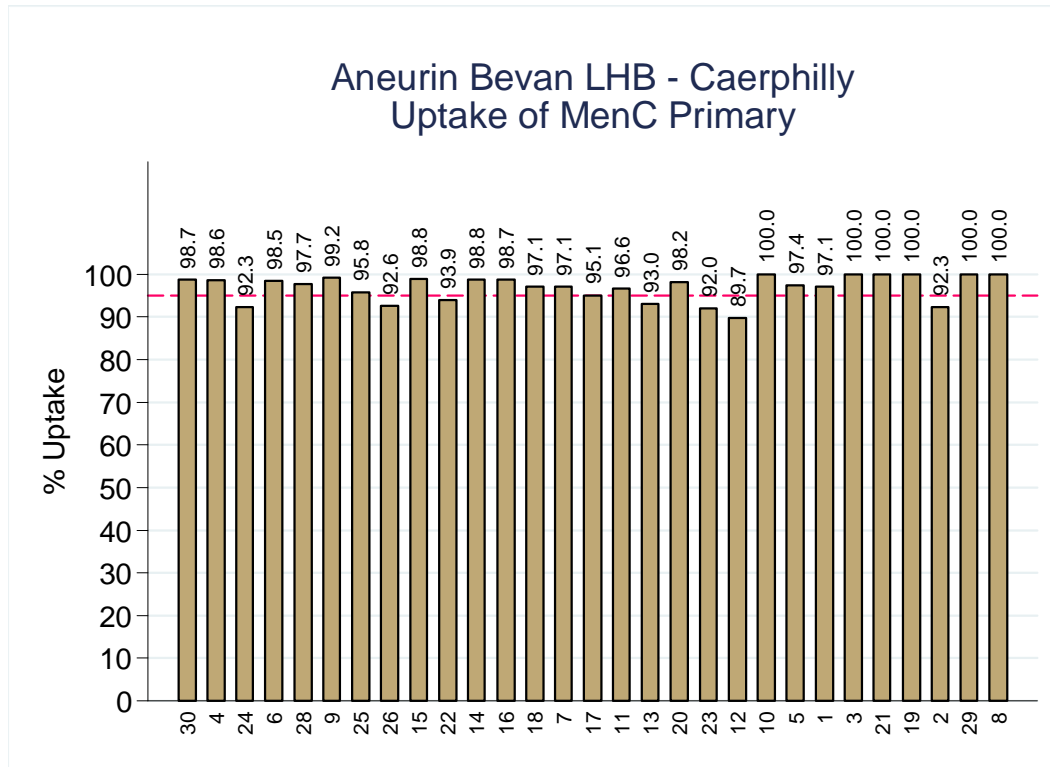
- 5 in 1 vaccine      Diphtheria, Tetanus, Pertussis, Polio, *Haemophilus influenzae* type b (Hib) (using pertussis as proxy)
- MenC                Meningococcal group C
- MMR1                Measles, Mumps, Rubella (1<sup>st</sup> dose)
- MMR2                Measles, Mumps, Rubella (2<sup>nd</sup> dose)
- 4 in 1                Diphtheria, Tetanus, Pertussis, Polio (using pertussis as proxy) – Pre-school booster
- 3 in 1 (booster)    Diphtheria, Tetanus, Polio (using diphtheria as proxy) – Teenage booster

Below 90%  
90% up to 95%  
95% and higher

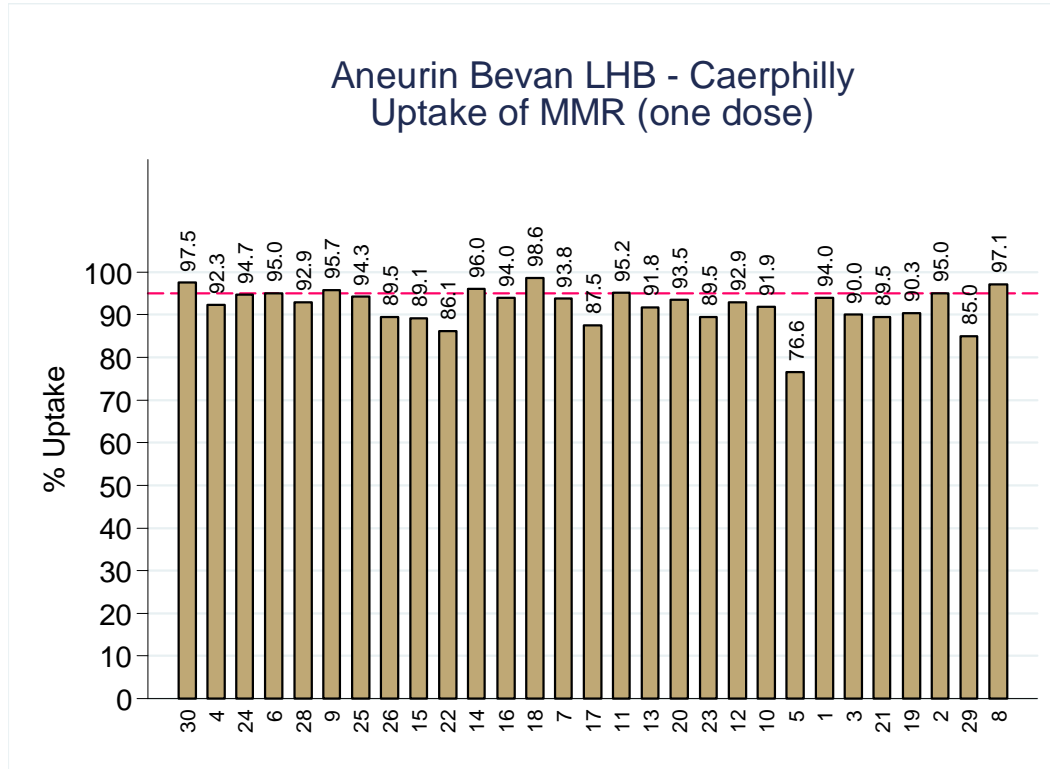
**Figure 2.2.1** Uptake of 5 in 1 vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



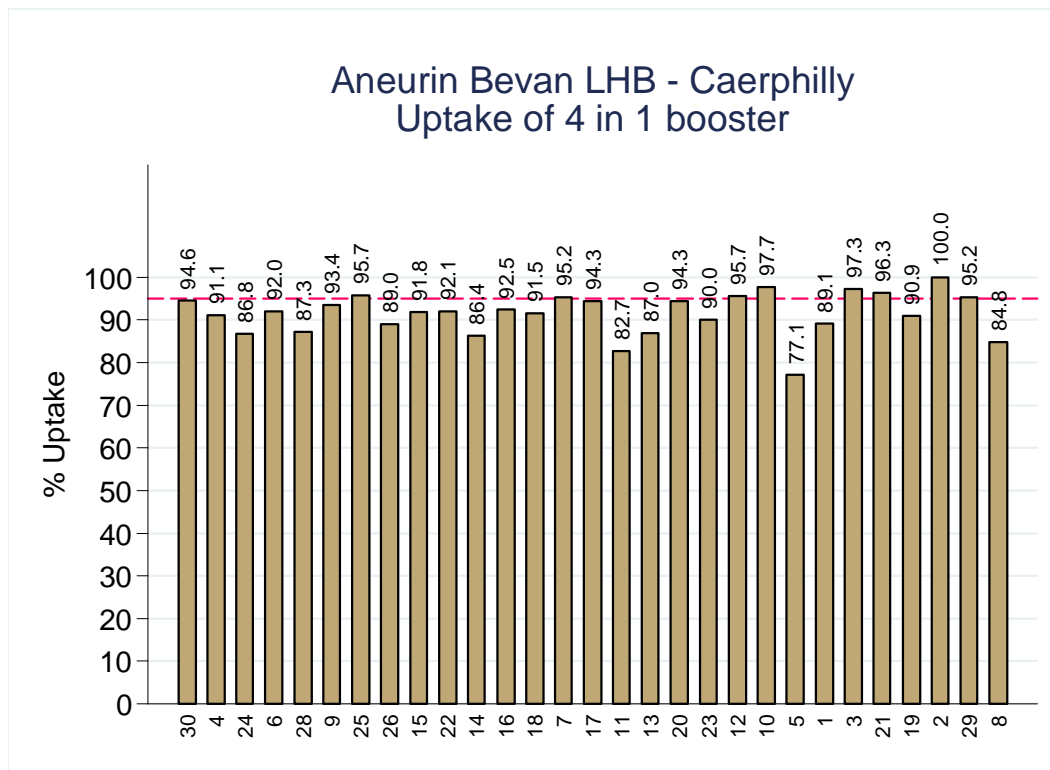
**Figure 2.2.2** Uptake of MenC vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



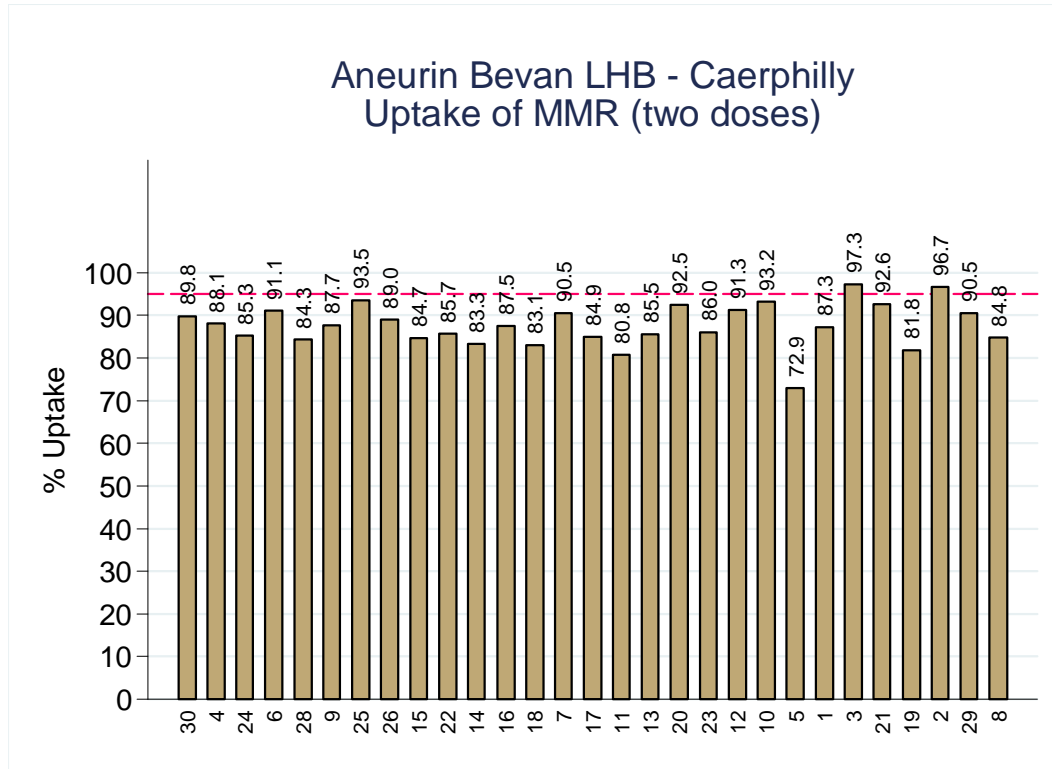
**Figure 2.2.3** Uptake of MMR vaccine (one dose) in children reaching their second birthday during 01/07/2009 – 30/06/2010.



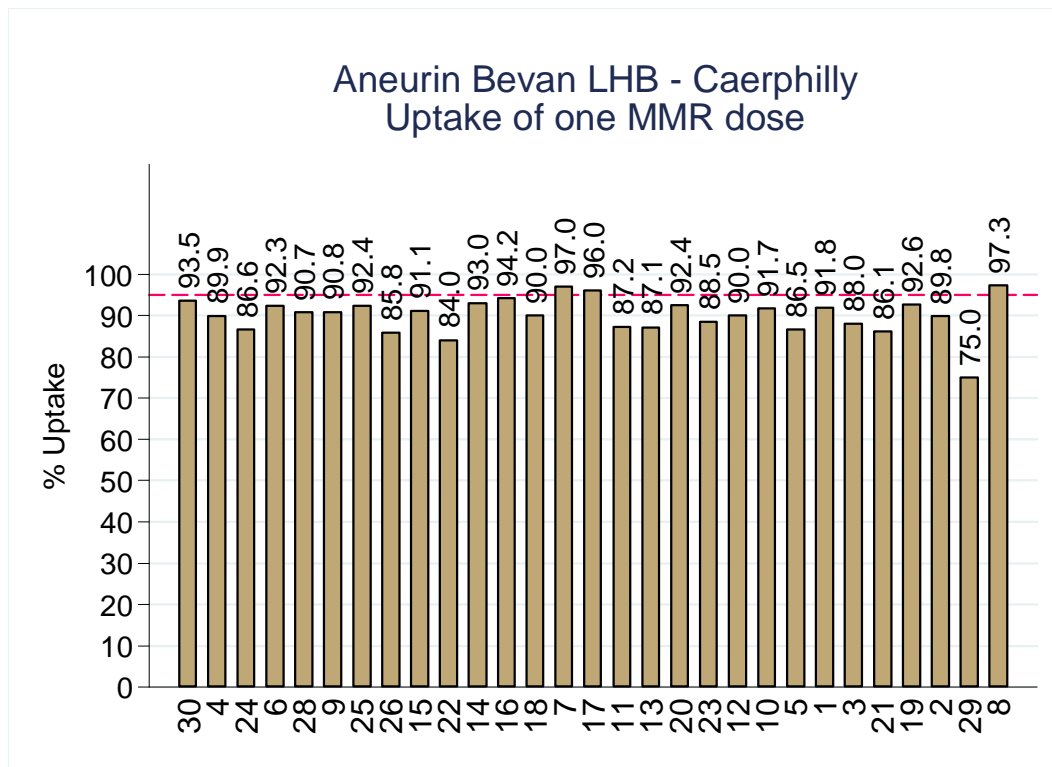
**Figure 2.2.4** Uptake of 4 in 1 vaccine in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



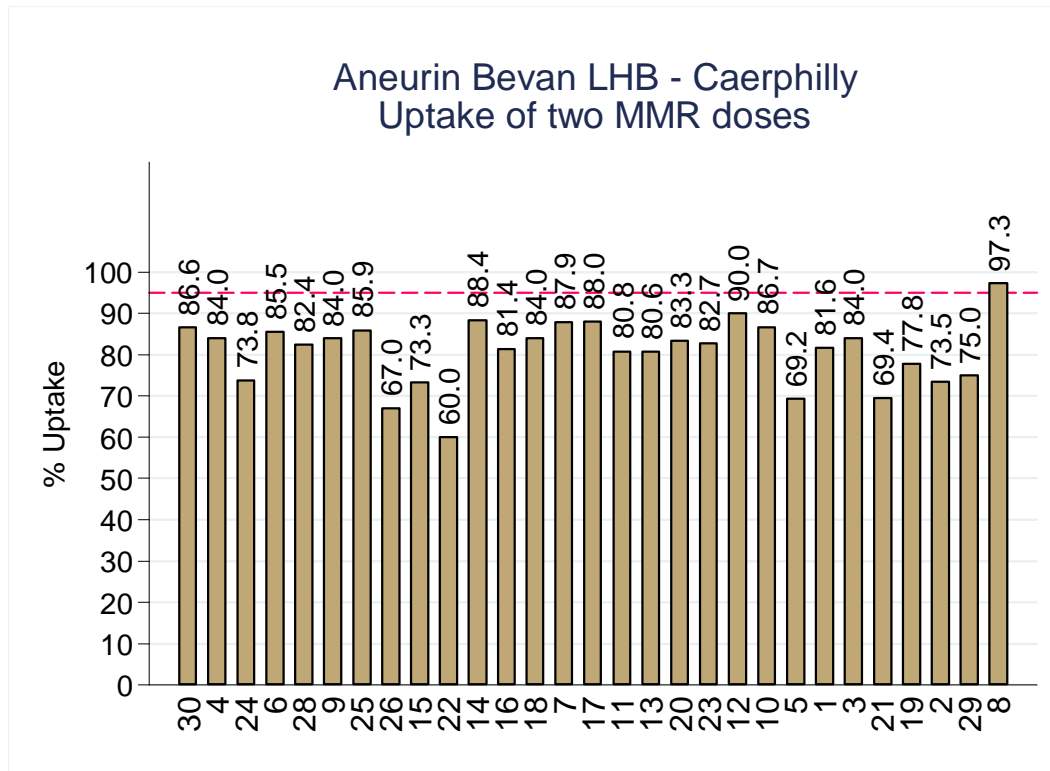
**Figure 2.2.5** Uptake of MMR vaccine (two doses) in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



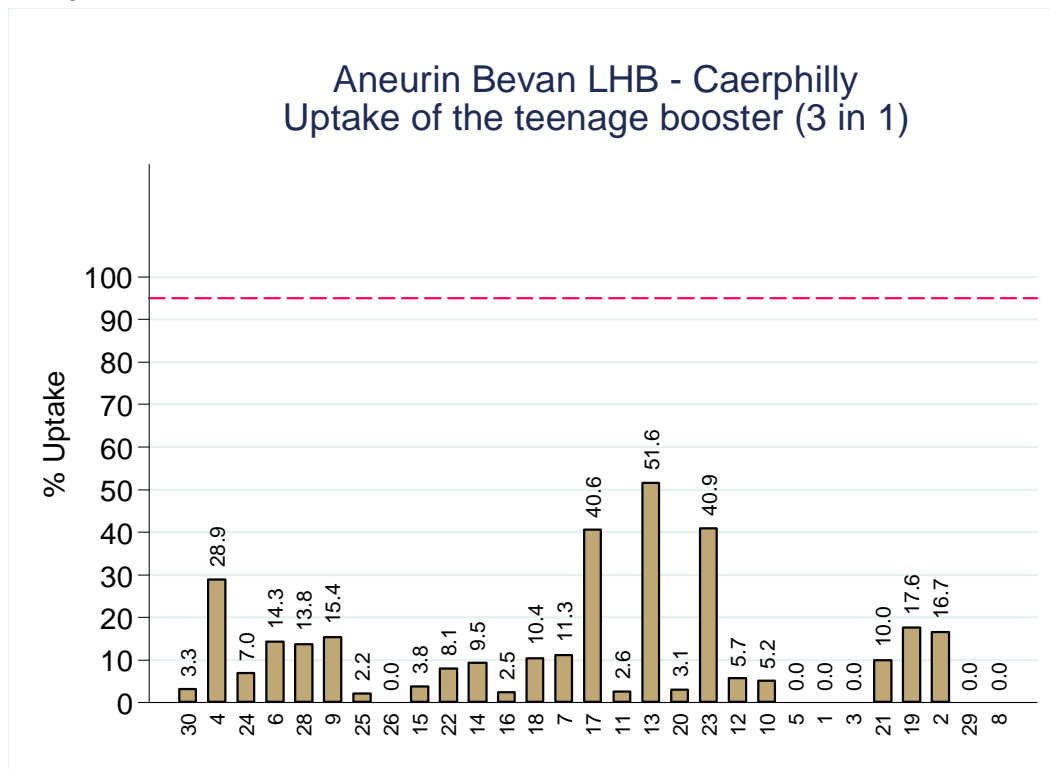
**Figure 2.2.6** Uptake of MMR vaccine (one dose) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.2.7** Uptake of MMR vaccine (two doses) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.2.8** Uptake of 3 in 1 teenage booster in children reaching their 16th birthday during 01/07/2009 – 30/06/2010.



### 2.3 Practice level data – Monmouthshire LA\*

Random Code	Children reaching 1 year of age				Children reaching 2 years of age				Children reaching 5 years of age				Children reaching 15 years of age				Children reaching 16 years of age								
	Resident children (n)	5 in 1		MenC		Resident children (n)	MMR1		Resident children (n)	4 in 1 (pre-school booster)		MMR1		MMR2		Resident children (n)	MMR1		MMR2		3 in 1 (booster)		Resident children (n)	3 in 1 (booster)	
		(n)	(n)	(%)	(n)		(%)	(n)		(n)	(%)	(n)	(%)	(n)	(%)		(n)	(%)	(n)	(%)	(n)	(%)		(n)	(%)
1	195	193	99.0	193	99.0	208	199	95.7	221	215	97.3	210	95.0	201	91.0	244	227	93.0	214	87.7	61	25.0	299	196	65.6
6	96	89	92.7	89	92.7	91	84	92.3	99	88	88.9	89	89.9	84	84.8	140	92	65.7	83	59.3	46	32.9	145	96	66.2
7	88	84	95.5	83	94.3	98	89	90.8	113	106	93.8	109	96.5	103	91.2	110	95	86.4	86	78.2	1	0.9	114	3	2.6
14	78	78	100.0	78	100.0	86	79	91.9	60	55	91.7	57	95.0	54	90.0	97	82	84.5	75	77.3	12	12.4	102	19	18.6
15	74	72	97.3	72	97.3	69	60	87.0	68	64	94.1	65	95.6	61	89.7	74	58	78.4	48	64.9	18	24.3	71	52	73.2
9	70	67	95.7	67	95.7	62	60	96.8	68	65	95.6	66	97.1	65	95.6	80	66	82.5	56	70.0	5	6.3	70	7	10.0
4	52	49	94.2	49	94.2	65	60	92.3	65	59	90.8	60	92.3	55	84.6	84	73	86.9	64	76.2	2	2.4	80	49	61.3
12	32	32	100.0	32	100.0	39	37	94.9	49	48	98.0	47	95.9	44	89.8	68	60	88.2	56	82.4	55	80.9	59	53	89.8
3	30	28	93.3	28	93.3	25	21	84.0	30	22	73.3	26	86.7	20	66.7	38	28	73.7	26	68.4	20	52.6	32	19	59.4
	29	28	96.6	27	93.1	14	13	92.9	15	11	73.3	13	86.7	10	66.7	90	53	58.9	40	44.4	4	4.4	99	9	9.1
2	23	22	95.7	22	95.7	32	27	84.4	30	23	76.7	27	90.0	24	80.0	16	14	87.5	11	68.8	1	6.3	17	8	47.1
8	22	22	100.0	22	100.0	21	19	90.5	18	15	83.3	14	77.8	13	72.2	26	23	88.5	21	80.8	4	15.4	29	4	13.8
11	17	1	5.9	1	5.9	10	3	30	14	4	28.6	4	28.6	2	14.3	17	9	52.9	6	35.3	2	11.8	22	1	4.5
10	15	14	93.3	14	93.3	12	12	100	16	15	93.8	14	87.5	14	87.5	23	17	73.9	16	69.6	0	0	19	0	0
5	11	11	100	11	100	15	15	100	13	12	92.3	13	100	11	84.6	18	13	72.2	8	44.4	16	88.9	23	16	69.6

\*Data is presented as immunisations given rather than details for specific antigens:

**5 in 1 vaccine** Diphtheria, Tetanus, Pertussis, Polio, *Haemophilus influenzae* type b (Hib) (using pertussis as proxy)

**MenC** Meningococcal group C

**MMR1** Measles, Mumps, Rubella (1<sup>st</sup> dose)

**MMR2** Measles, Mumps, Rubella (2<sup>nd</sup> dose)

**4 in 1** Diphtheria, Tetanus, Pertussis, Polio (using pertussis as proxy) – Pre-school booster

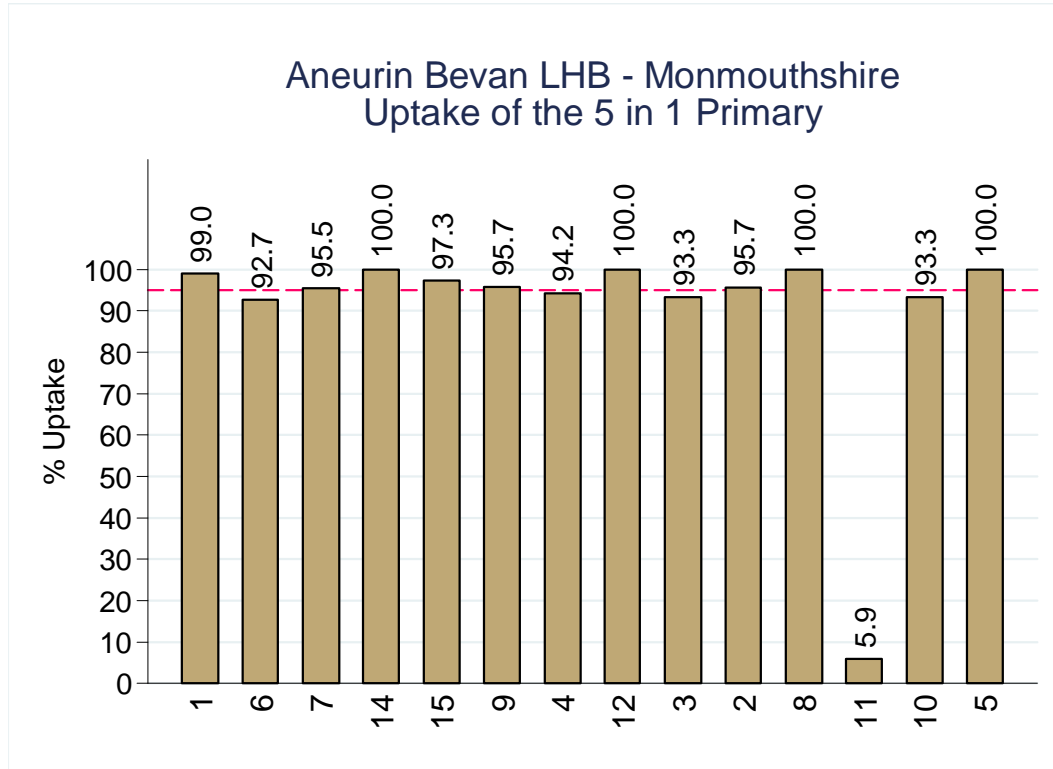
**3 in 1 (booster)** Diphtheria, Tetanus, Polio (using diphtheria as proxy) – Teenage booster

Below 90%

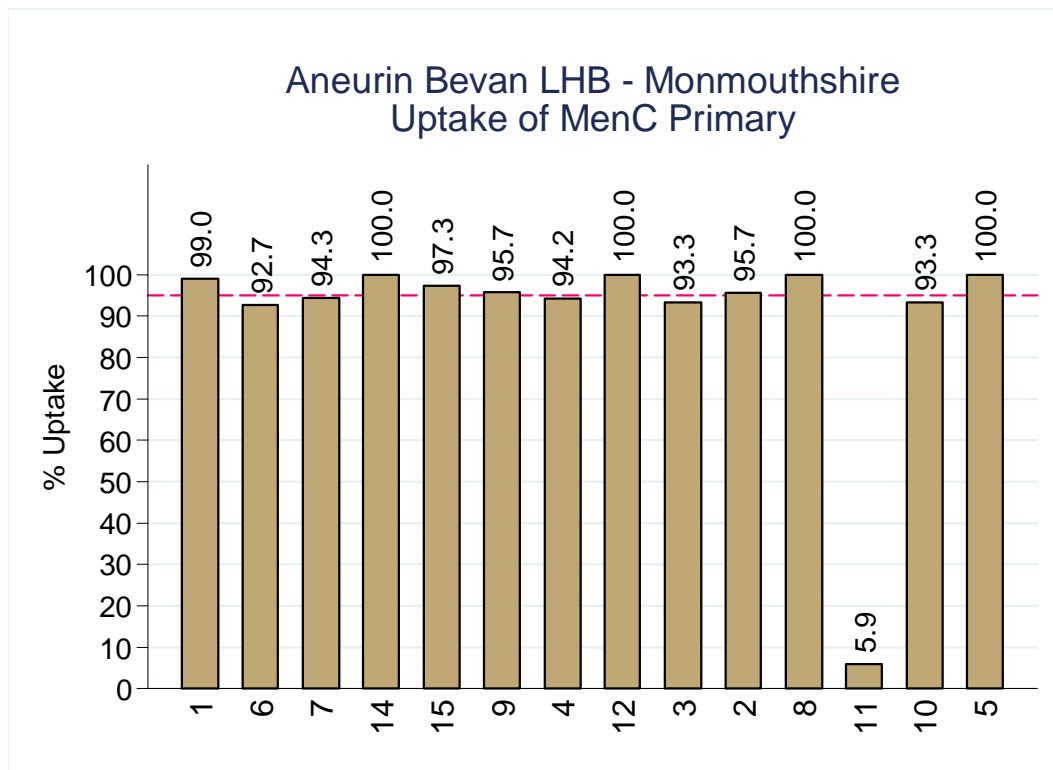
90% up to 95%

95% and higher

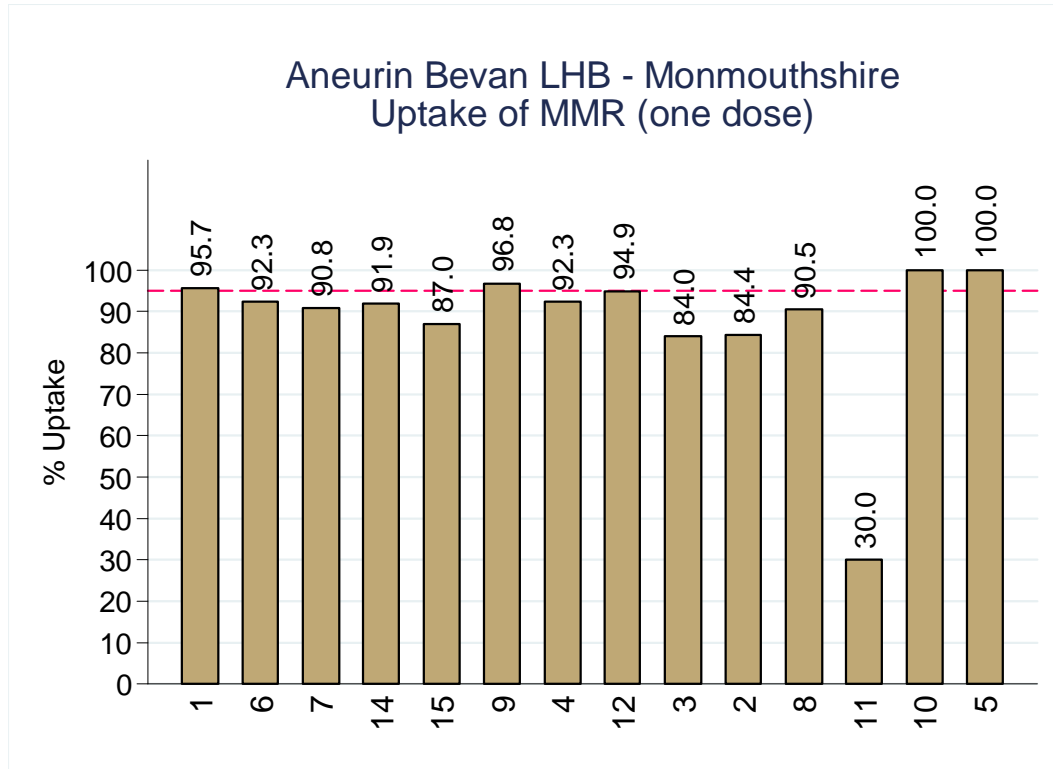
**Figure 2.3.1** Uptake of 5 in 1 vaccine in children reaching their first birthday during 01/07/2010 – 30/06/2010.



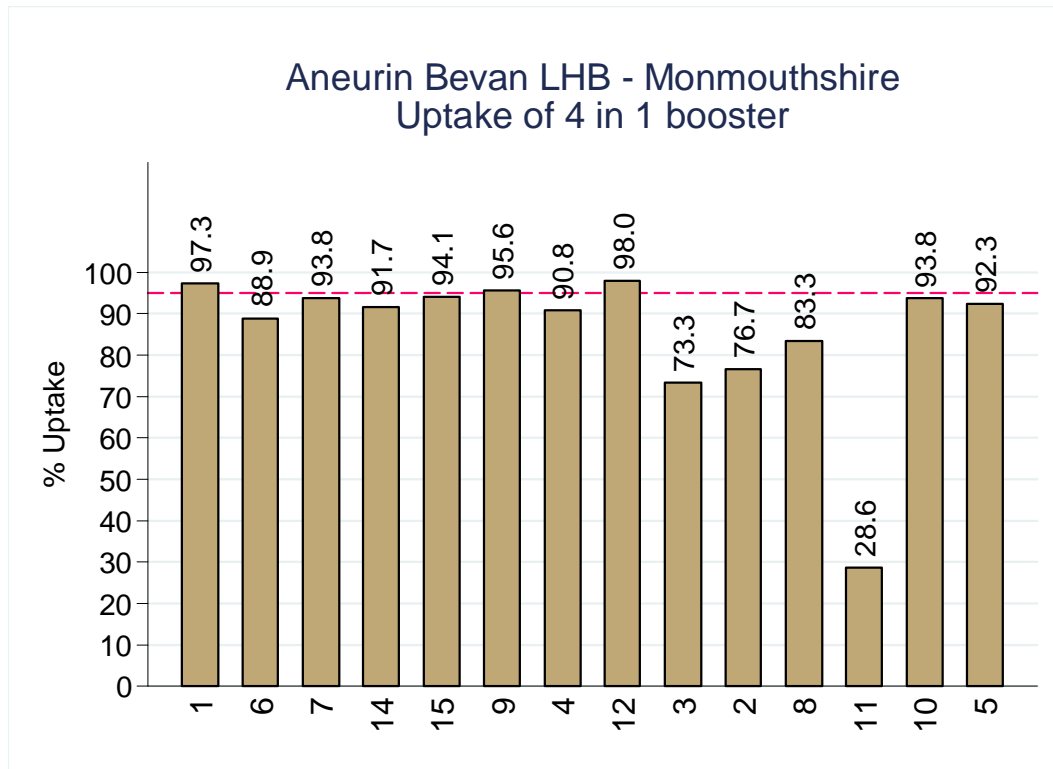
**Figure 2.3.2** Uptake of MenC vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



**Figure 2.3.3** Uptake of MMR vaccine (one dose) in children reaching their second birthday during 01/07/2009 – 30/06/2010.

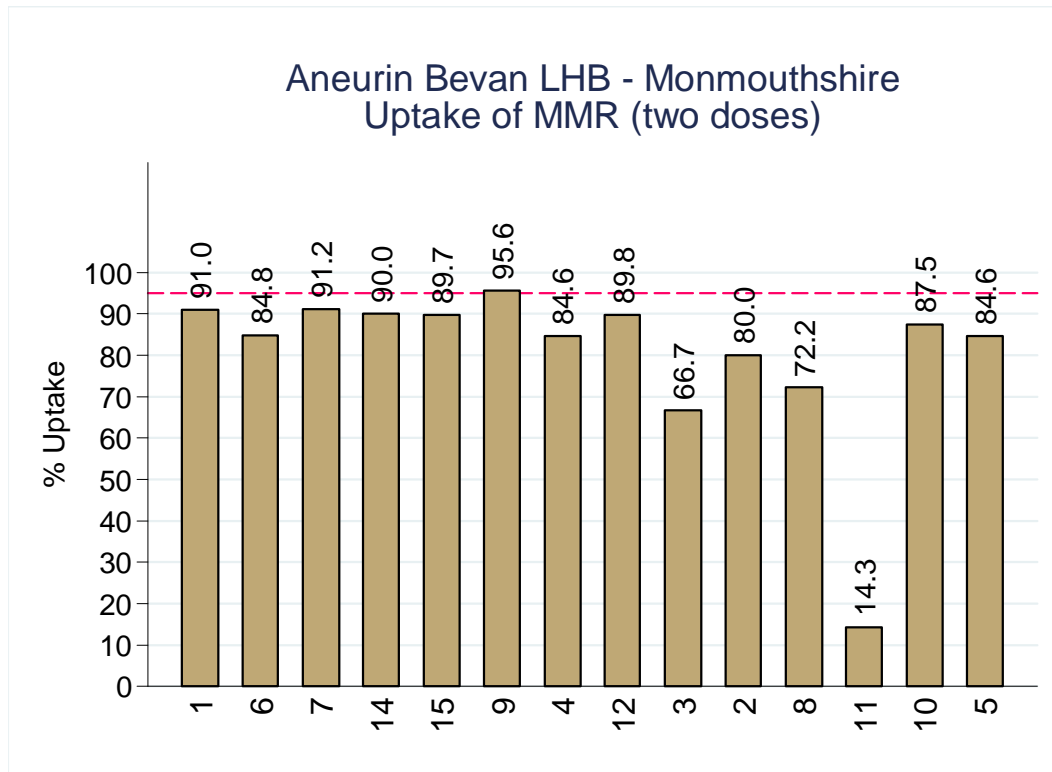


**Figure 2.3.4** Uptake of 4 in 1 vaccine in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.

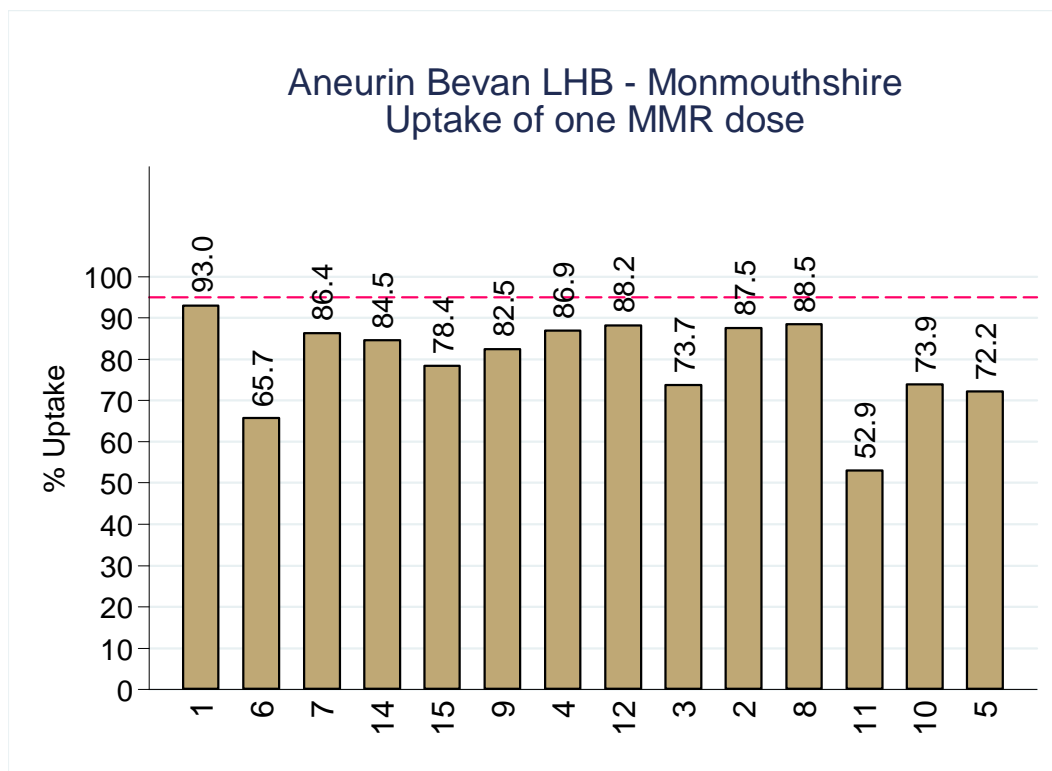




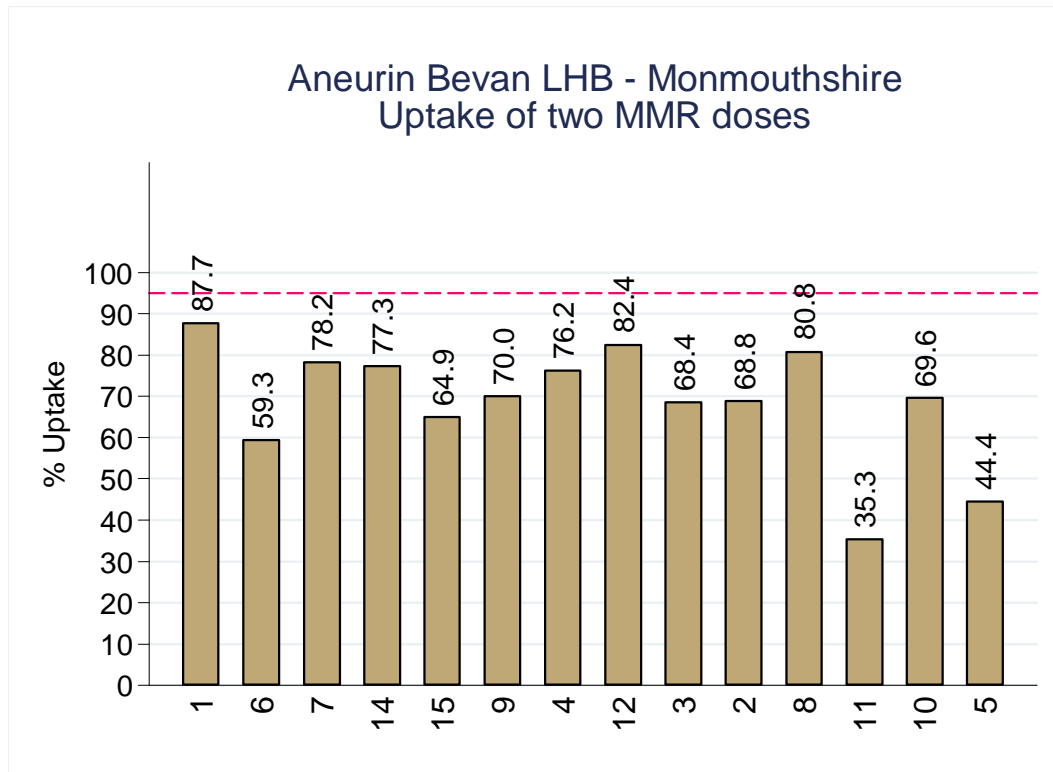
**Figure 2.3.5** Uptake of MMR vaccine (two doses) in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



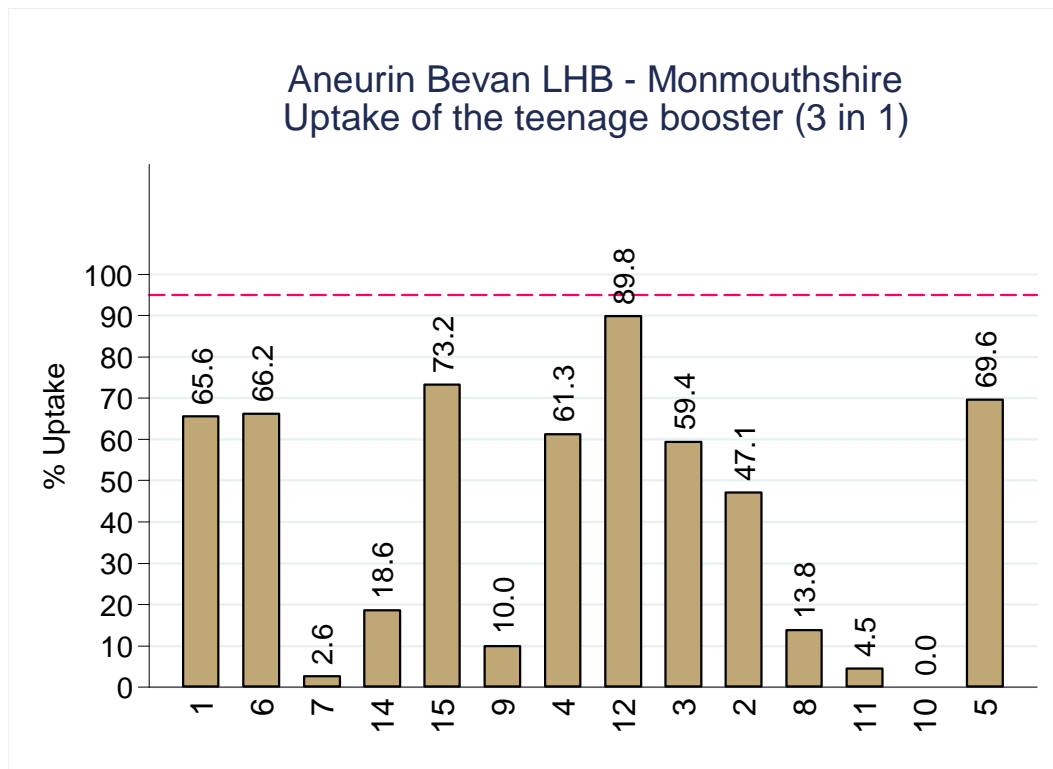
**Figure 2.3.6** Uptake of MMR vaccine (one dose) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.3.7** Uptake of MMR vaccine (two doses) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.3.8** Uptake of 3 in 1 teenage booster in children reaching their 16th birthday during 01/07/2009 – 30/06/2010.



2.4 Practice level data – Newport LA \*

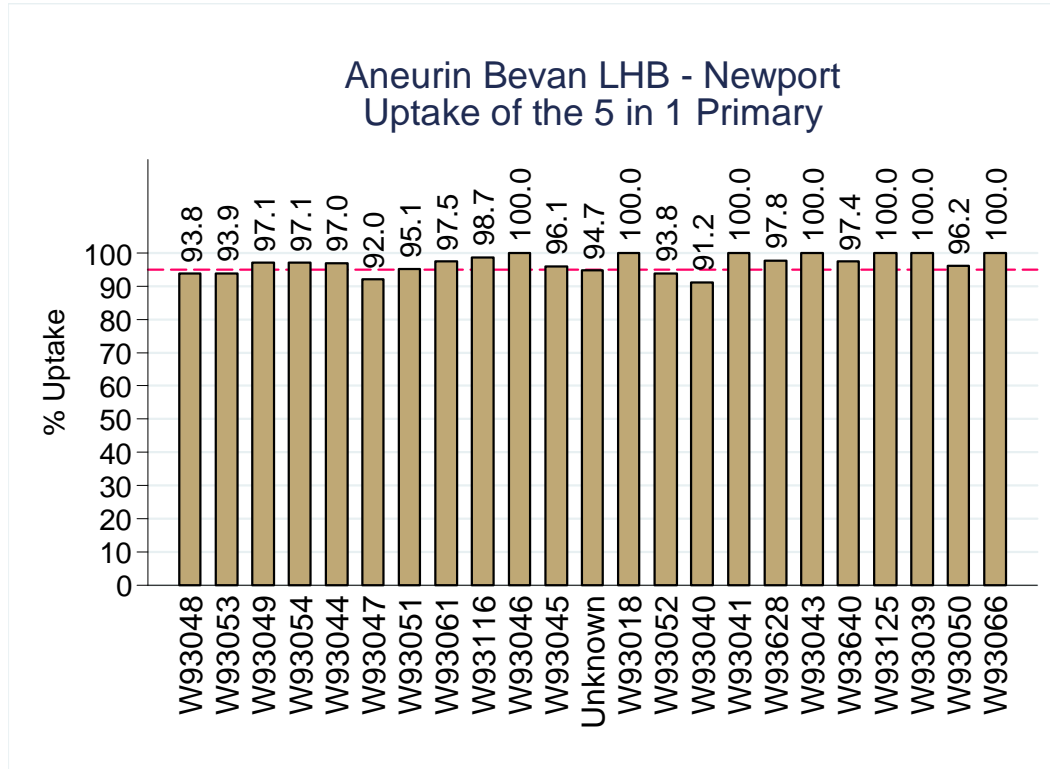
Wcode	Children reaching 1 year of age				Children reaching 2 years of age			Children reaching 5 years of age				Children reaching 15 years of age					Children reaching 16 years of age								
	Resident children (n)	5 in 1		MenC		Resident children (n)	MMR1		Resident children (n)	4 in 1 (pre-school booster)		MMR1	MMR2		Resident children (n)	MMR1		MMR2		3 in 1 (booster)		Resident children (n)	3 in 1 (booster)		
		(n)	(n)	(%)	(n)		(%)	(n)		(n)	(%)		(n)	(n)		(%)	(n)	(%)	(n)	(n)	(%)		(n)	(n)	(%)
W93048	227	213	93.8	212	93.4	219	197	90.0	183	160	87.4	173	94.5	156	85.2	178	152	85.4	140	78.7	32	18.0	186	52	28.0
W93053	197	185	93.9	185	93.9	165	160	97.0	147	136	92.5	142	96.6	132	89.8	184	175	95.1	167	90.8	7	3.8	190	19	10.0
W93049	138	134	97.1	133	96.4	136	124	91.2	146	134	91.8	138	94.5	129	88.4	132	127	96.2	118	89.4	6	4.5	155	83	53.5
W93054	104	101	97.1	101	97.1	130	118	90.8	131	117	89.3	125	95.4	113	86.3	153	139	90.8	128	83.7	3	2.0	138	1	0.7
W93044	100	97	97.0	97	97.0	98	89	90.8	72	63	87.5	70	97.2	62	86.1	74	63	85.1	55	74.3	12	16.2	72	13	18.1
W93047	88	81	92.0	81	92.0	78	65	83.3	84	73	86.9	78	92.9	69	82.1	86	81	94.2	71	82.6	2	2.3	107	0	0.0
W93051	82	78	95.1	78	95.1	94	84	89.4	97	89	91.8	94	96.9	85	87.6	69	62	89.9	52	75.4	2	2.9	67	2	3.0
W93061	79	77	97.5	77	97.5	101	95	94.1	102	95	93.1	97	95.1	89	87.3	143	124	86.7	110	76.9	6	4.2	128	20	15.6
W93046	78	78	100.0	78	100.0	65	62	95.4	55	50	90.9	47	85.5	45	81.8	49	43	87.8	30	61.2	0	0.0	37	0	0.0
W93116	78	77	98.7	77	98.7	71	62	87.3	47	41	87.2	46	97.9	41	87.2	25	22	88.0	22	88.0	0	0.0	37	0	0.0
W93045	76	73	96.1	73	96.1	89	87	97.8	92	85	92.4	86	93.5	81	88.0	95	88	92.6	83	87.4	0	0.0	104	3	2.9
Unknown	76	72	94.7	72	94.7	27	23	85.2	44	17	38.6	25	56.8	16	36.4	100	51	51.0	37	37.0	1	1.0	113	6	5.3
W93018	73	73	100	73	100	75	67	89.3	76	71	93.4	73	96.1	68	89.5	131	118	90.1	95	72.5	3	2.3	126	6	4.8
W93052	65	61	93.8	60	92.3	85	75	88.2	45	37	82.2	43	95.6	35	77.8	74	69	93.2	63	85.1	0	0	62	15	24.2
W93040	57	52	91.2	51	89.5	68	44	64.7	50	32	64	45	90	33	66	79	74	93.7	68	86.1	31	39.2	86	37	43
W93041	47	47	100	46	97.9	47	43	91.5	47	45	95.7	44	93.6	42	89.4	41	36	87.8	33	80.5	1	2.4	37	7	18.9
W93628	45	44	97.8	44	97.8	44	43	97.7	26	23	88.5	24	92.3	21	80.8	41	38	92.7	36	87.8	1	2.4	39	4	10.3
W93043	41	41	100	41	100	63	60	95.2	51	47	92.2	51	100	47	92.2	58	50	86.2	44	75.9	0	0	70	3	4.3
W93640	39	38	97.4	38	97.4	41	35	85.4	49	44	89.8	47	95.9	42	85.7	52	46	88.5	39	75	1	1.9	52	0	0
W93125	35	35	100	35	100	41	39	95.1	38	35	92.1	35	92.1	34	89.5	54	52	96.3	47	87	2	3.7	51	31	60.8
W93039	32	32	100	32	100	61	57	93.4	56	51	91.1	56	100	51	91.1	41	35	85.4	34	82.9	0	0	41	0	0
W93050	26	25	96.2	25	96.2	26	25	96.2	20	17	85	18	90	16	80	19	18	94.7	16	84.2	0	0	24	1	4.2
W93066	16	16	100	16	100	23	23	100	20	20	100	20	100	20	100	15	15	100	15	100	9	60	26	19	73.1

\*Data is presented as immunisations given rather than details for specific antigens:

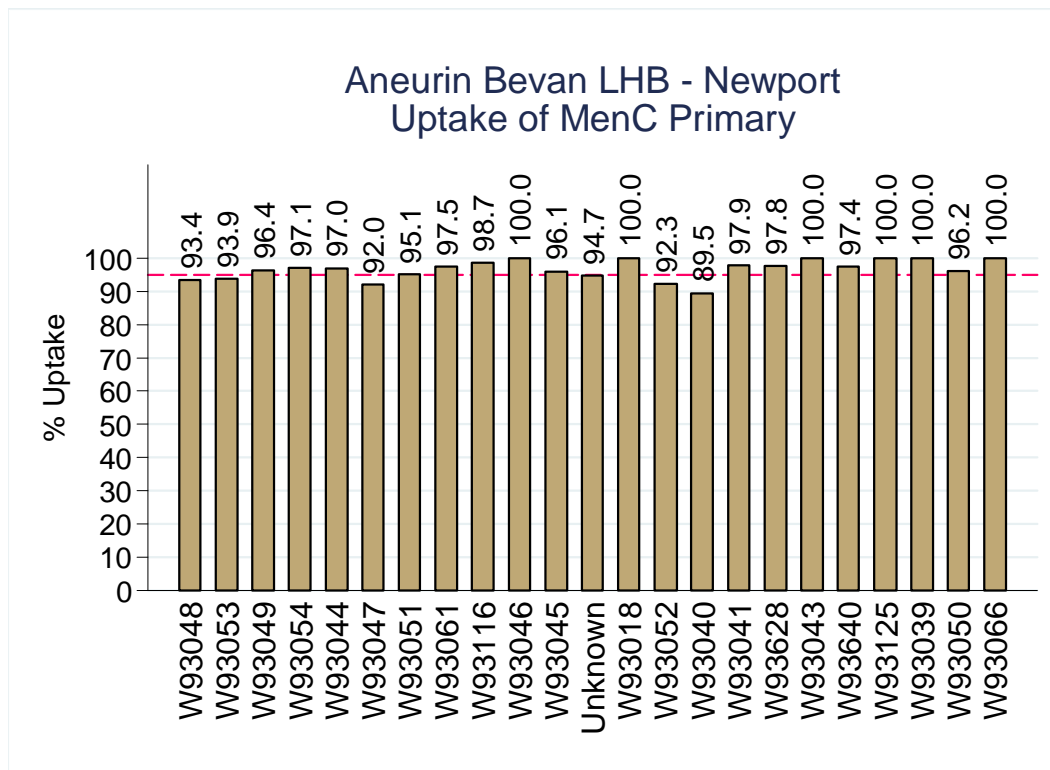
- 5 in 1 vaccine                      Diphtheria, Tetanus, Pertussis, Polio, *Haemophilus influenzae* type b (Hib) (using pertussis as proxy)
- MenC                                      Meningococcal group C
- MMR1                                      Measles, Mumps, Rubella (1<sup>st</sup> dose)
- MMR2                                      Measles, Mumps, Rubella (2<sup>nd</sup> dose)
- 4 in 1                                      Diphtheria, Tetanus, Pertussis, Polio (using pertussis as proxy) – Pre-school booster
- 3 in 1 (booster)                      Diphtheria, Tetanus, Polio (using diphtheria as proxy) – Teenage booster

Below 90%  
**90% up to 95%**  
**95% and higher**

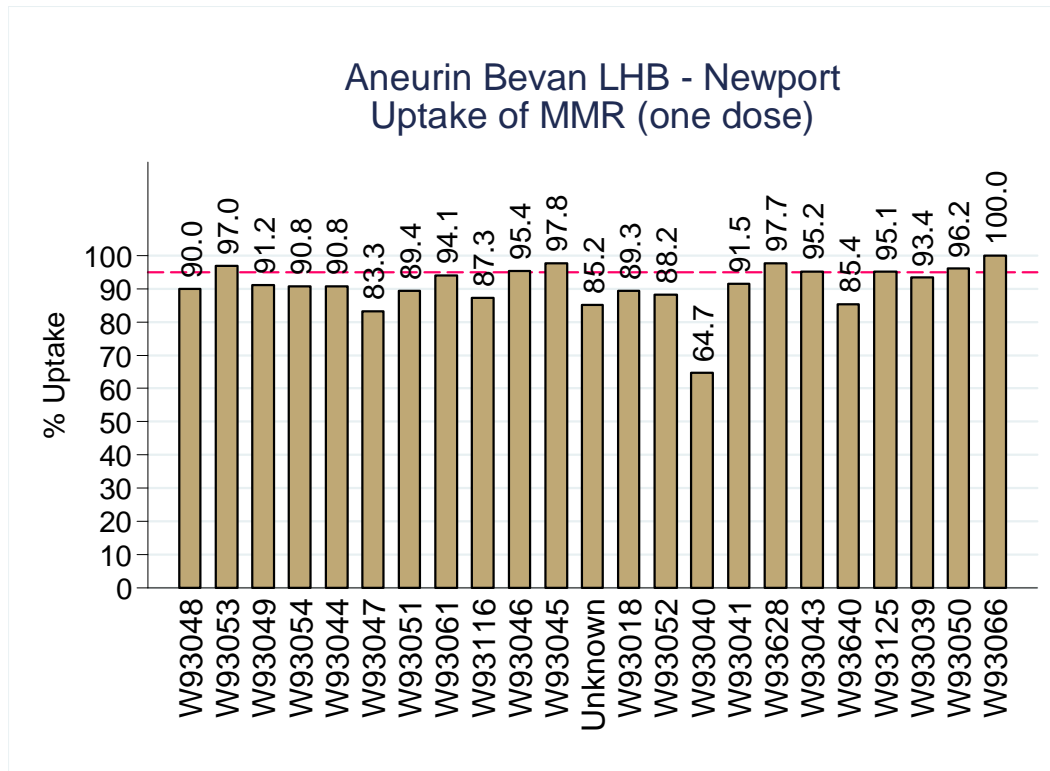
**Figure 2.4.1** Uptake of 5 in 1 vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



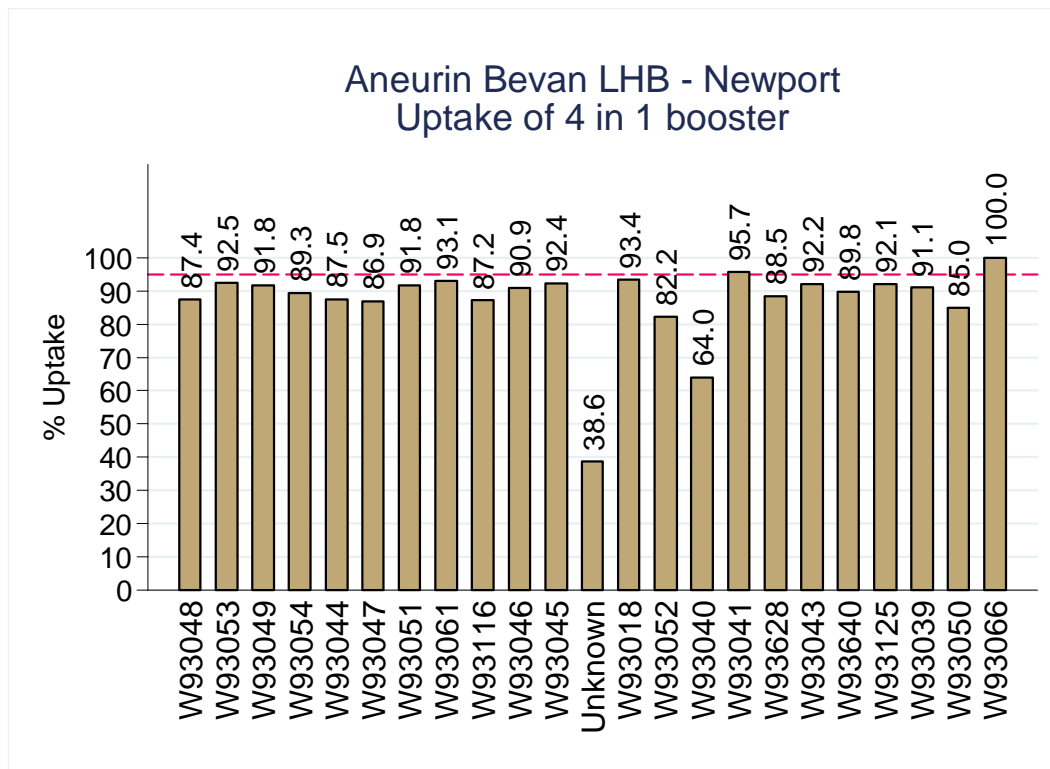
**Figure 2.4.2** Uptake of MenC vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



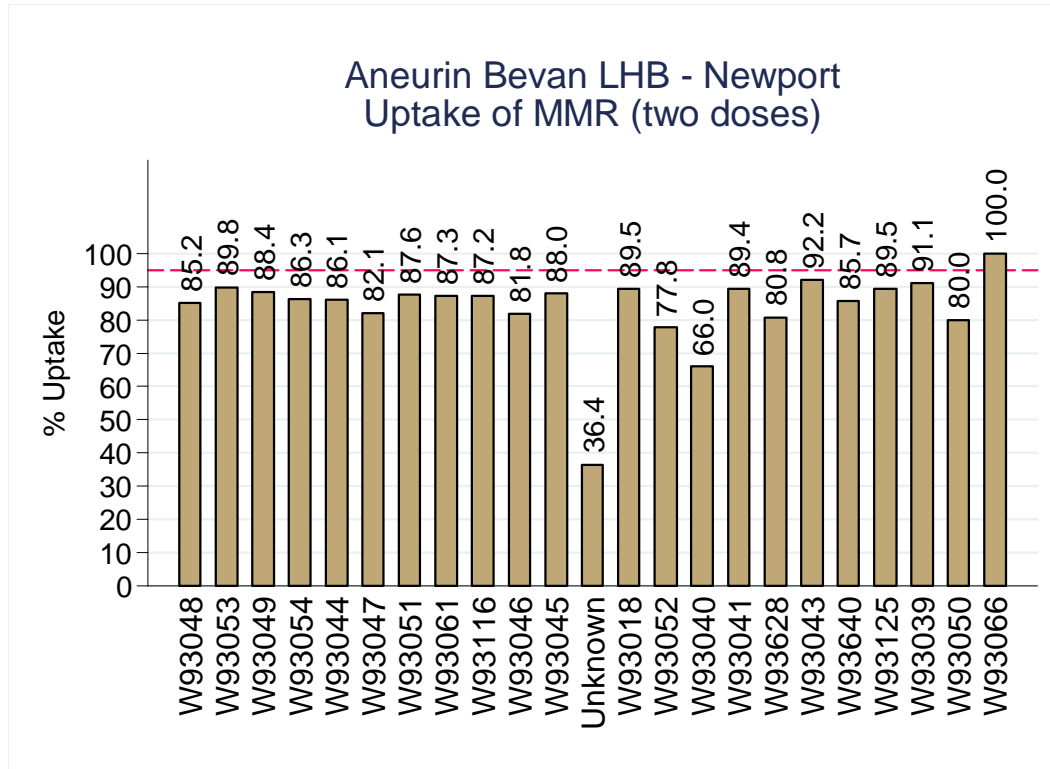
**Figure 2.4.3** Uptake of MMR vaccine (one dose) in children reaching their second birthday during 01/07/2009 – 30/06/2010.



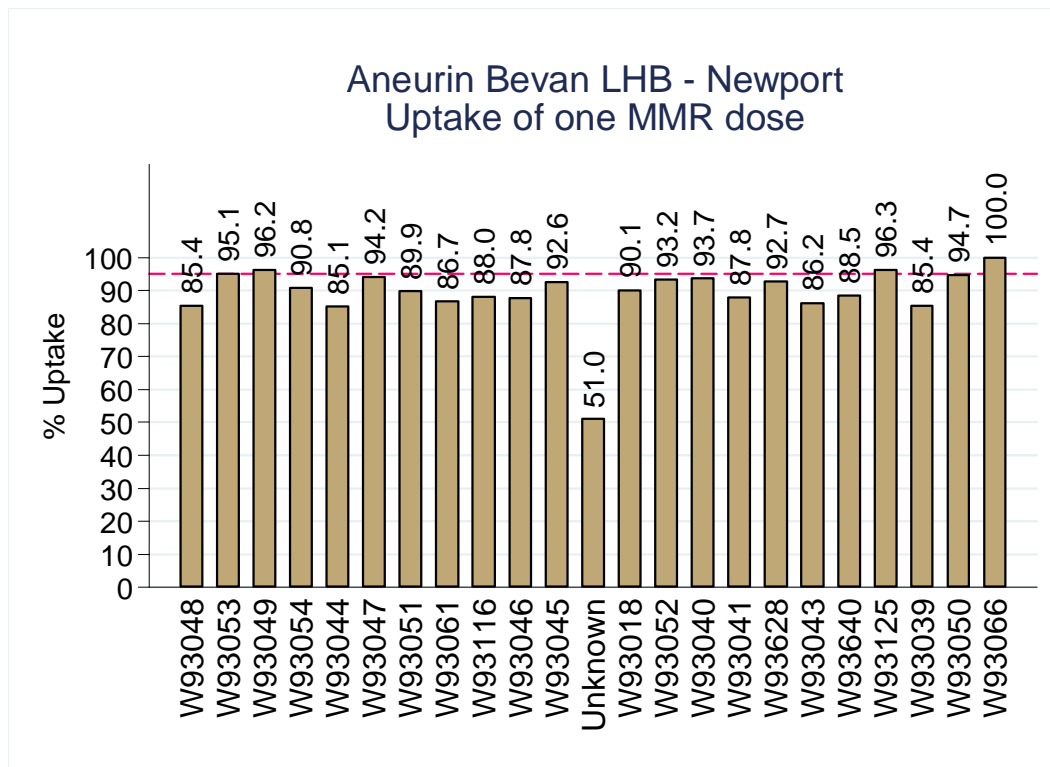
**Figure 2.4.4** Uptake of 4 in 1 vaccine in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



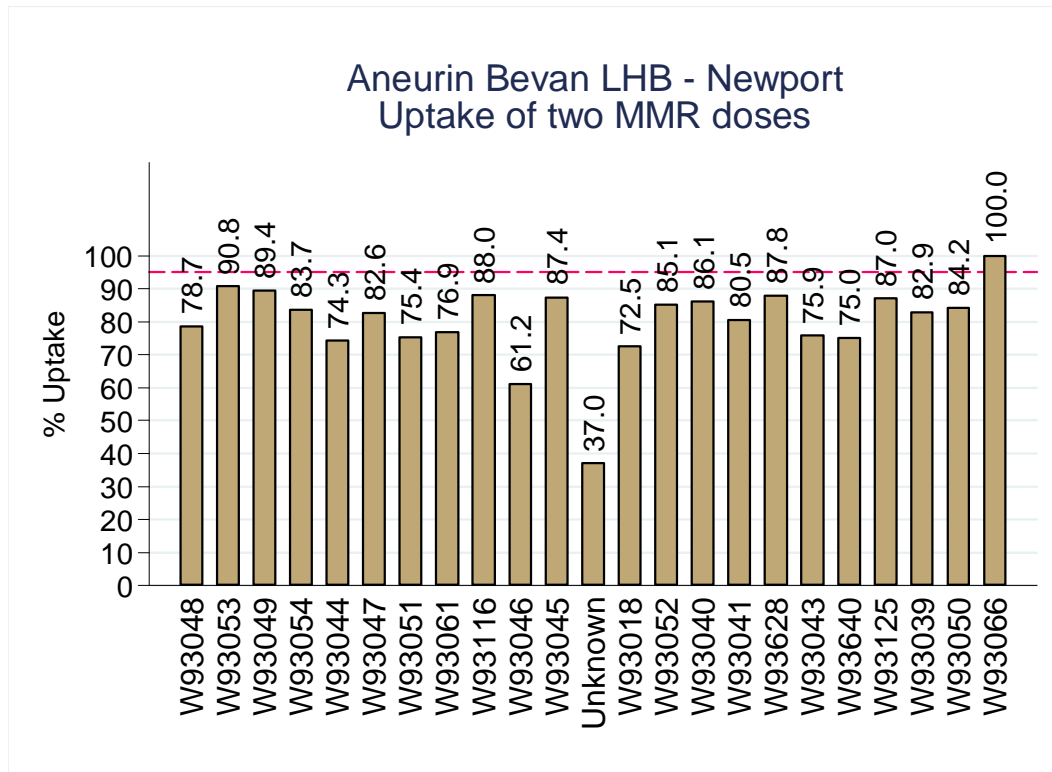
**Figure 2.4.5** Uptake of MMR vaccine (two doses) in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



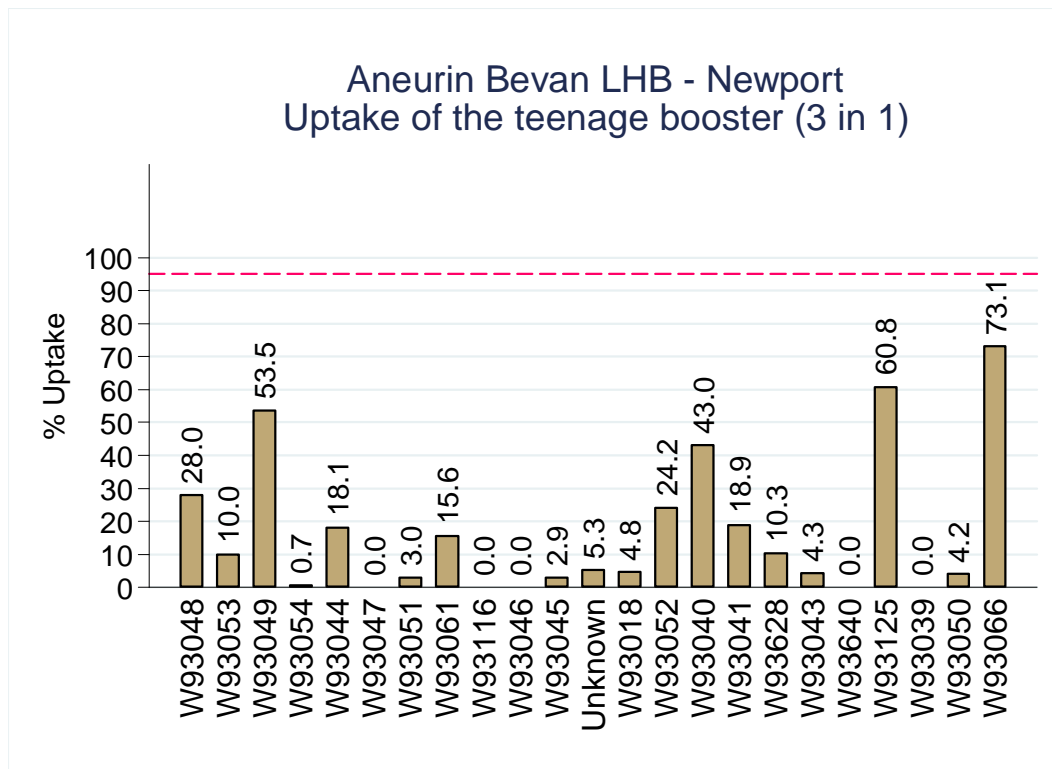
**Figure 2.4.6** Uptake of MMR vaccine (one dose) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.4.7** Uptake of MMR vaccine (two doses) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.4.8** Uptake of 3 in 1 teenage booster in children reaching their 16th birthday during 01/07/2009 – 30/06/2010.



**2.5 Practice level data – Torfaen LA\***

Random Code	Children reaching 1 year of age				Children reaching 2 years of age			Children reaching 5 years of age				Children reaching 15 years of age				Children reaching 16 years of age									
	Resident children (n)	5 in 1		MenC		Resident children (n)	MMR1		Resident children (n)	4 in 1 (pre-school booster)		MMR1	MMR2		Resident children (n)	MMR1		MMR2	3 in 1 (booster)		Resident children (n)	3 in 1 (booster)			
		(n)	(%)	(n)	(%)		(n)	(n)		(%)	(n)		(n)	(%)		(n)	(n)		(%)	(n)		(n)	(%)	(n)	(n)
12	135	133	98.5	133	98.5	121	108	89.3	131	111	84.7	122	93.1	108	82.4	145	139	95.9	127	87.6	12	8.3	150	20	13.3
8	120	117	97.5	117	97.5	113	102	90.3	118	106	89.8	108	91.5	103	87.3	143	139	97.2	131	91.6	8	5.6	144	33	22.9
2	99	98	99.0	98	99.0	110	105	95.5	110	103	93.6	106	96.4	102	92.7	109	104	95.4	96	88.1	2	1.8	99	0	0.0
13	89	89	100.0	89	100.0	88	81	92.0	90	80	88.9	85	94.4	79	87.8	131	123	93.9	115	87.8	6	4.6	145	17	11.7
10	83	79	95.2	79	95.2	72	65	90.3	90	85	94.4	88	97.8	84	93.3	80	77	96.3	68	85.0	5	6.3	93	10	10.8
11	81	79	97.5	79	97.5	63	61	96.8	70	68	97.1	67	95.7	62	88.6	65	60	92.3	58	89.2	1	1.5	73	7	9.6
3	79	75	94.9	75	94.9	65	58	89.2	82	74	90.2	77	93.9	70	85.4	89	84	94.4	83	93.3	18	20.2	86	45	52.3
4	76	75	98.7	75	98.7	82	73	89.0	77	72	93.5	74	96.1	70	90.9	74	72	97.3	67	90.5	1	1.4	78	3	3.8
7	75	67	89.3	67	89.3	77	63	81.8	89	79	88.8	85	95.5	78	87.6	91	86	94.5	79	86.8	3	3.3	88	10	11.4
6	67	65	97.0	64	95.5	80	76	95.0	71	67	94.4	69	97.2	65	91.5	85	81	95.3	74	87.1	5	5.9	87	14	16.1
1	64	64	100.0	64	100.0	86	79	91.9	86	80	93.0	84	97.7	79	91.9	73	71	97.3	69	94.5	1	1.4	61	4	6.6
Unknown	52	43	82.7	43	82.7	4	4	100.0	12	7	58.3	9	75.0	5	41.7	43	32	74.4	27	62.8	2	4.7	37	4	10.8
5	46	46	100.0	46	100.0	42	42	100.0	37	35	94.6	36	97.3	35	94.6	48	47	97.9	44	91.7	4	8.3	68	7	10.3
9	34	34	100.0	34	100.0	51	45	88.2	35	32	91.4	32	91.4	30	85.7	63	60	95.2	57	90.5	1	1.6	51	5	9.8

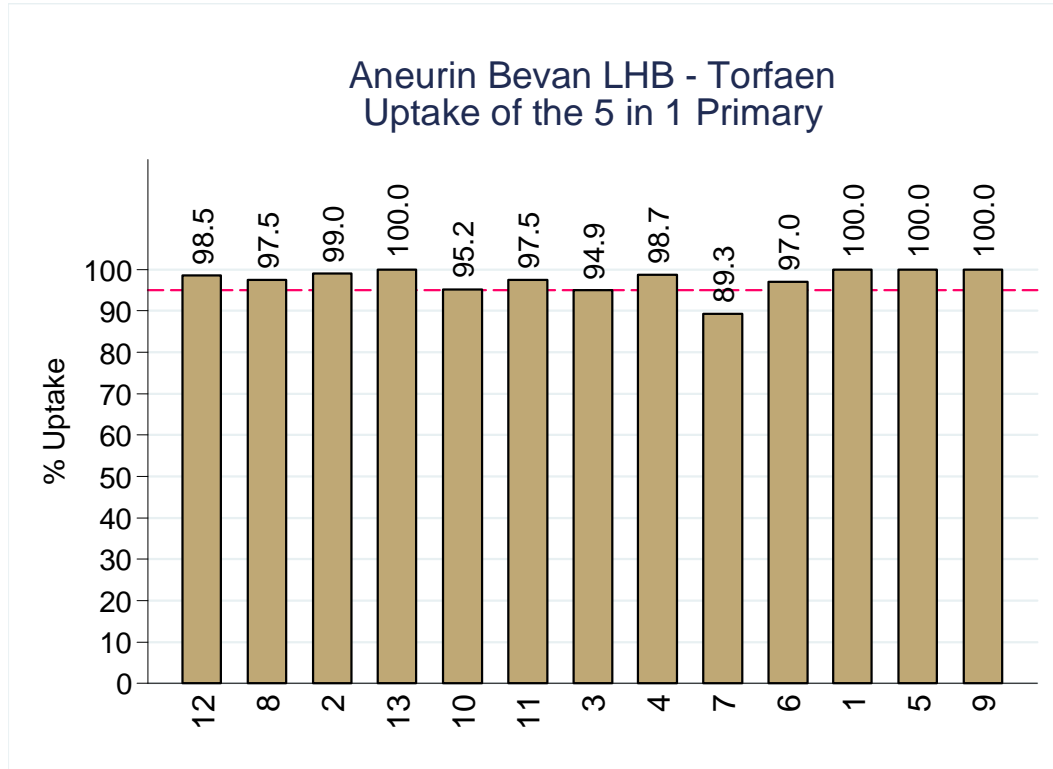
\*Data is presented as immunisations given rather than details for specific antigens:

- 5 in 1 vaccine** Diphtheria, Tetanus, Pertussis, Polio, *Haemophilus influenzae* type b (Hib) (using pertussis as proxy)
- MenC** Meningococcal group C
- MMR1** Measles, Mumps, Rubella (1<sup>st</sup> dose)
- MMR2** Measles, Mumps, Rubella (2<sup>nd</sup> dose)
- 4 in 1** Diphtheria, Tetanus, Pertussis, Polio (using pertussis as proxy) – Pre-school booster
- 3 in 1 (booster)** Diphtheria, Tetanus, Polio (using diphtheria as proxy) – Teenage booster

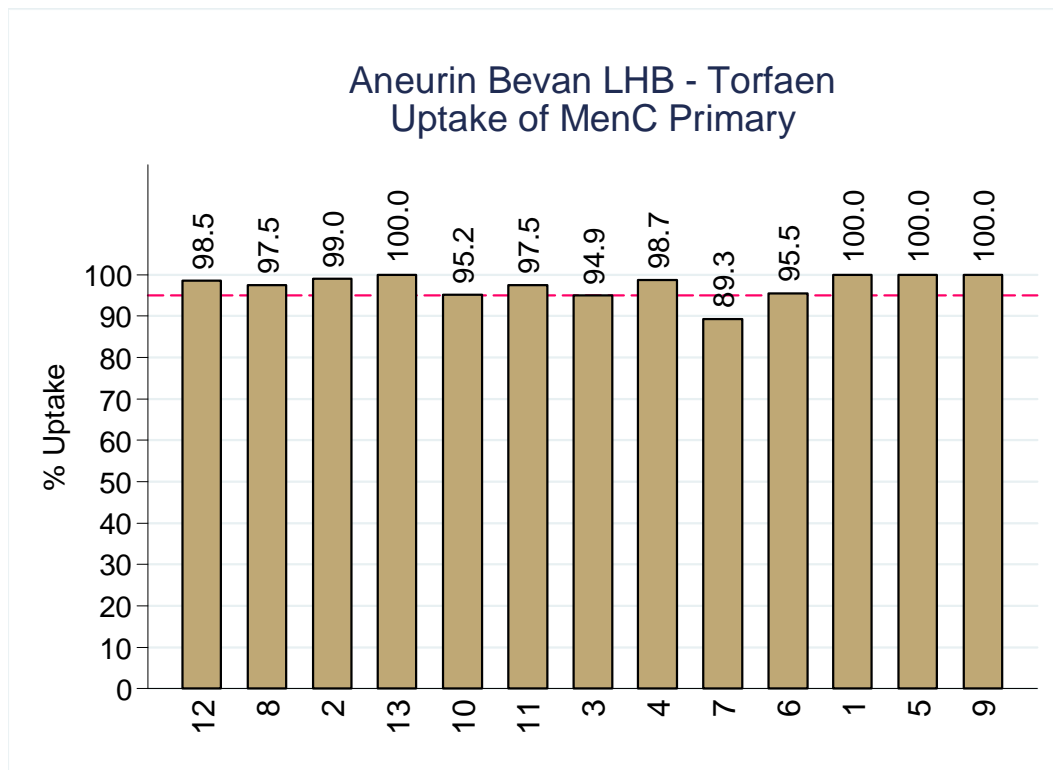
Below 90%  
**90% up to 95%**  
**95% and higher**



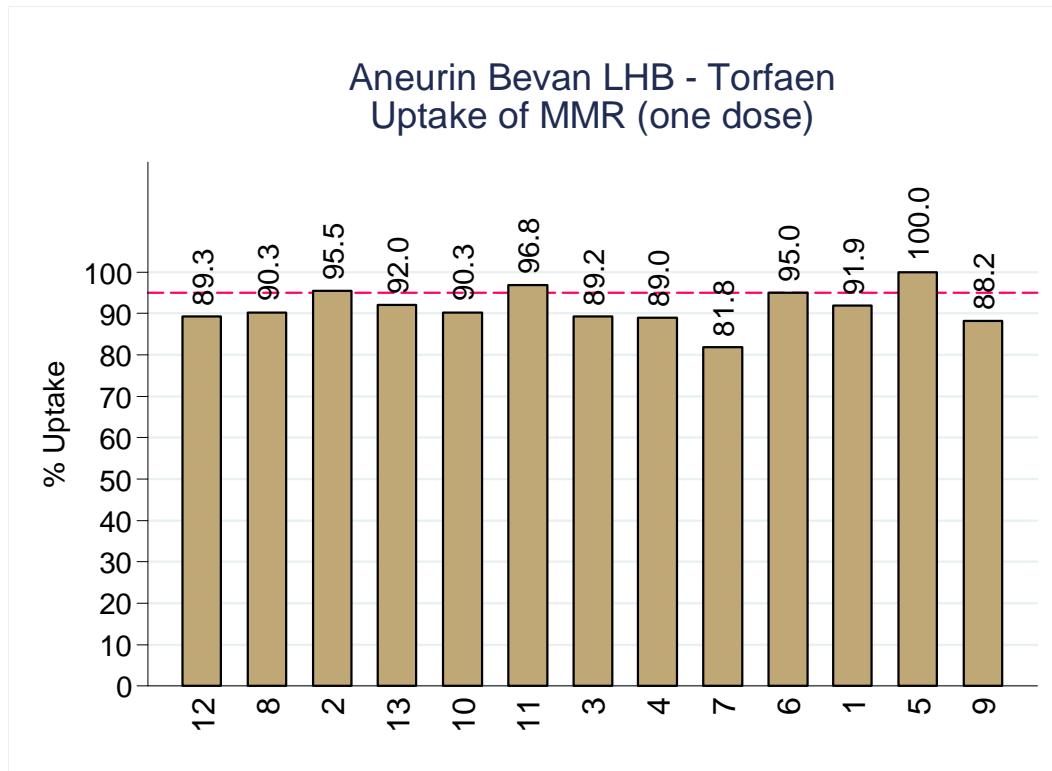
**Figure 2.5.1** Uptake of 5 in 1 vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



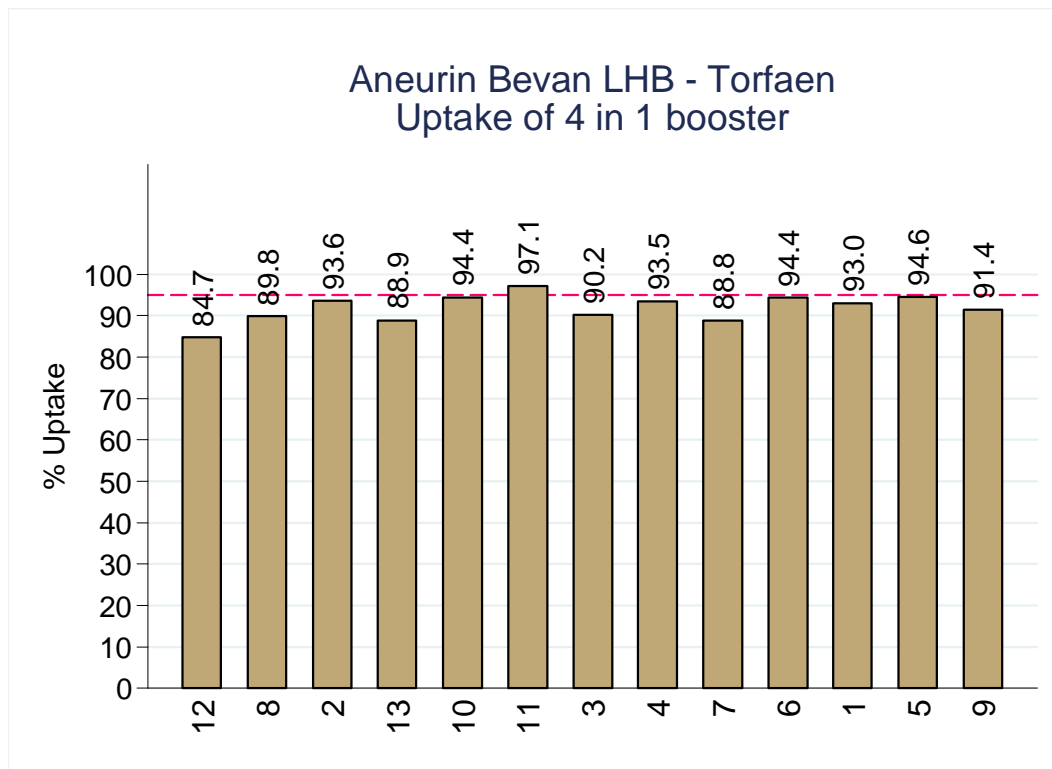
**Figure 2.5.2** Uptake of MenC vaccine in children reaching their first birthday during 01/07/2009 – 30/06/2010.



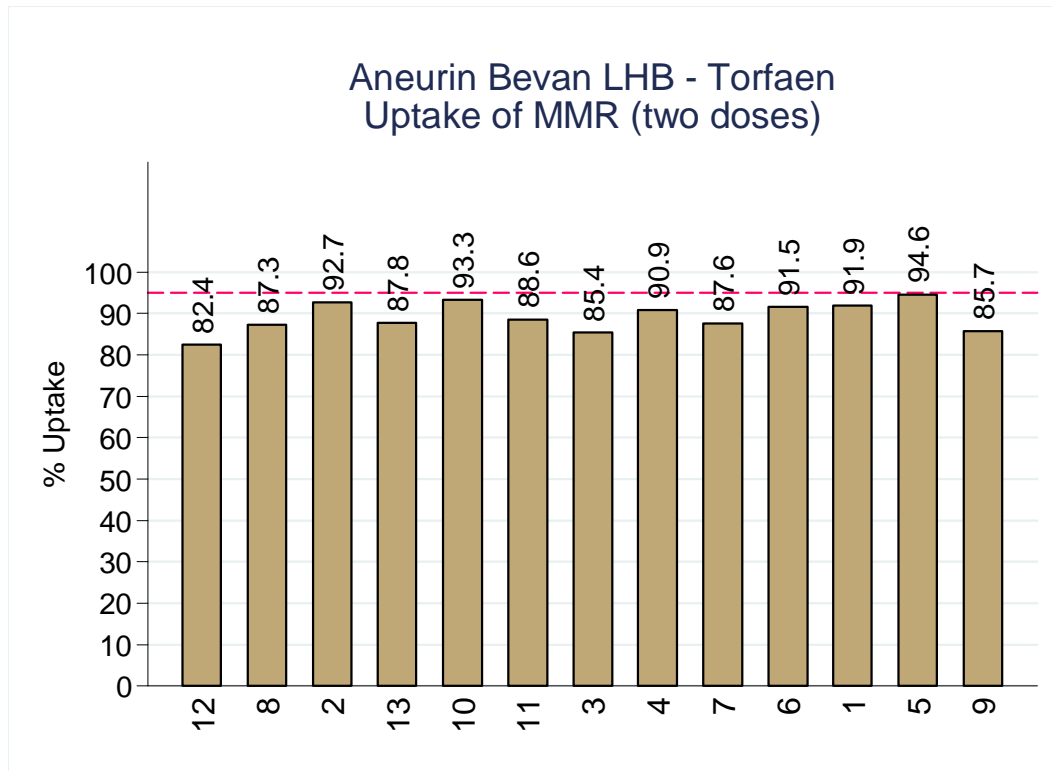
**Figure 2.5.3** Uptake of MMR vaccine (one dose) in children reaching their second birthday during 01/07/2009 – 30/06/2010.



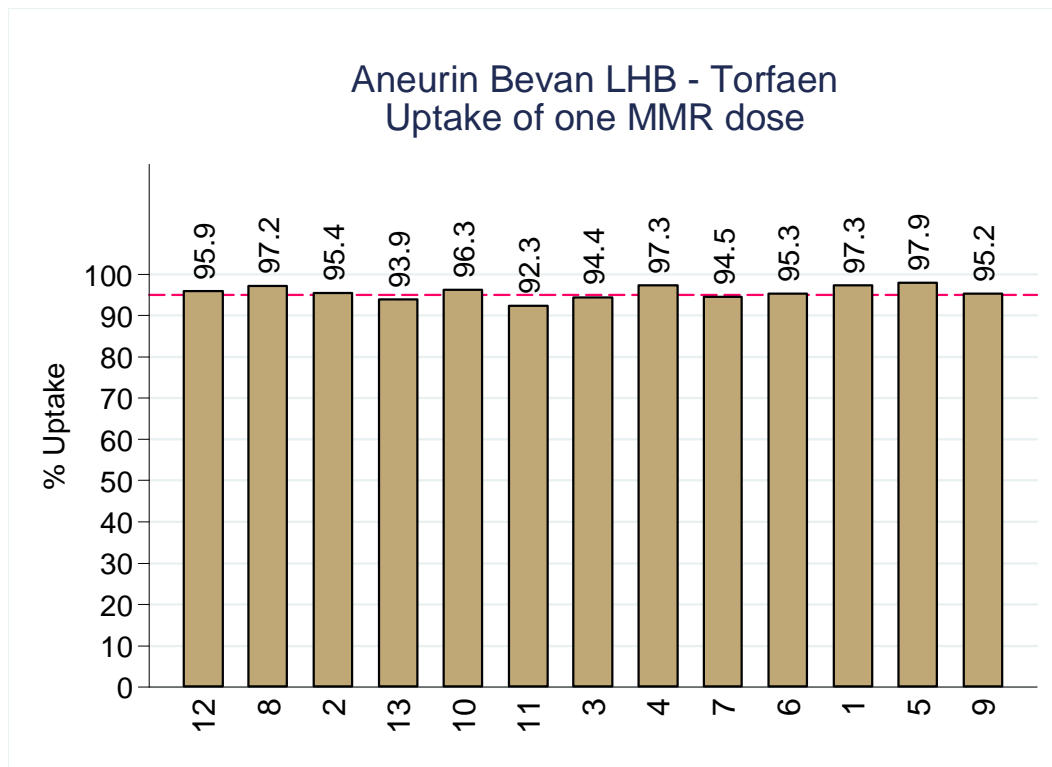
**Figure 2.5.4** Uptake of 4 in 1 vaccine in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



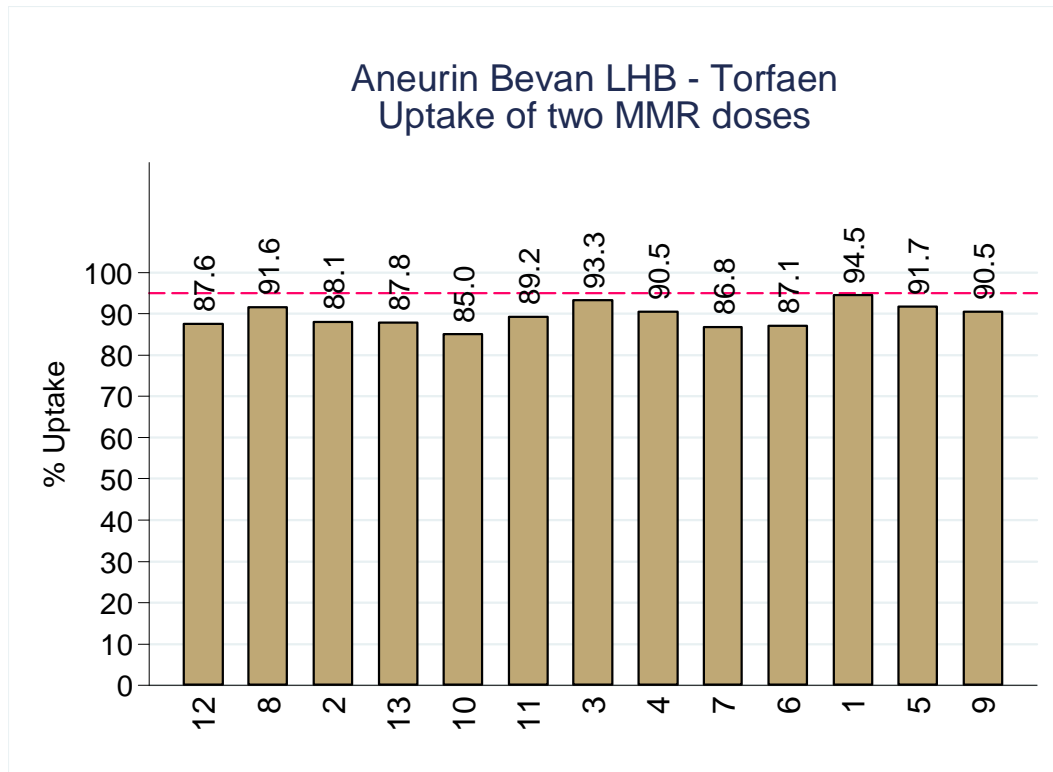
**Figure 2.5.5** Uptake of MMR vaccine (two doses) in children reaching their fifth birthday during 01/07/2009 – 30/06/2010.



**Figure 2.5.6** Uptake of MMR vaccine (one dose) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.5.7** Uptake of MMR vaccine (two doses) in children reaching their 15th birthday during 01/07/2009 – 30/06/2010.



**Figure 2.5.8** Uptake of 3 in 1 teenage booster in children reaching their 16th birthday during 01/07/2009 – 30/06/2010.

