

Immunisation Uptake in Ireland

Quarter 1 & 2, 2000



**A report by the
National Disease Surveillance Centre**

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Introduction

In this report the immunisation uptake statistics for children 24 months of age in the first and second quarter of 2000 is presented. In other words these uptake statistics relate to the cohorts of children born between 01/01/1998 – 31/03/1998 and 01/04/1998 – 30/06/2000. A summary of the uptake data for children 24 months of age in 1999 is also presented in this report.

NDSC would like to thank the Department of Health and Children (DoHC) for providing this data for analysis and the health boards who had provided this data to DoHC.

Results

Quarter 1 2000

Immunisation uptake of D₃, P₃, T₃, Hib₃, Polio₃ and MMR1 at 24 months in Quarter 1 2000 is presented by health board (Fig. 1 & Table 1). Quarterly uptake of these vaccines did not reach 95% for Ireland in this quarter. D₃ and T₃ uptake ranged from 75.9% (MWHB) to 91.7% (WHB). P₃ uptake ranged from 73.3% (MWHB) to 90.3% (NEHB). Hib₃ uptake ranged from 75.7% (MWHB) to 91.2% (WHB). Polio₃ ranged from 75.5% (MWHB) to 91.6% (WHB), while MMR1 ranged from 70.1% (MWHB) to 86.3% (SEHB).

Quarter 2 2000

Immunisation uptake of D₃, P₃, T₃, Hib₃, Polio₃ and MMR1 at 24 months in Quarter 2 2000 is presented by health board (Fig. 2 & Table 2). Quarterly uptake of these vaccines did not reach 95% for Ireland in this quarter. D₃ and T₃ uptake ranged from 80.2% (MWHB) to 90.6% (WHB). P₃ uptake ranged from 76.4% (MHB) to 89% (NEHB). Hib₃ uptake ranged from 79.9% (MWHB) to 90.1% (WHB). Polio₃ ranged from 79.8% (MHB) to 90.5% (WHB), while MMR1 ranged from 71.8% (NWHB) to 88.8% (SEHB).

Quarterly national uptake

Quarterly national uptake of D₃, P₃, Hib₃, Polio₃ and MMR1 at 24 months for 1999 and 2000 is presented in Fig. 3 & Table 3. T₃ uptake is not presented on a chart, as uptake levels are identical to that of D₃. Uptake of D₃ and T₃ has declined from 86% in Quarter 1 and 2 of 1999 to 85% in the same periods of 2000. P₃ uptake has remained largely unchanged at approx 82%. There has also been a downward trend in uptake of Hib₃, Polio₃ and MMR1 in Quarter 1 and 2 of 2000, compared to the same periods last year. However, MMR1 uptake had increased from 76.1% in Q1 2000 to 76.7% for Q2 2000. Over the eighteen-month period quarterly uptake of any of the vaccines did not reach 95%, in fact the highest national uptake figure recorded was for D₃ and T₃ in Q2 of 1999 at 86.5%, while the lowest was for MMR1 in Q3 of 1999 at 75.8%.

MMR1 uptake

The national primary MMR1 uptake at 24 months for 1999 and so far for 2000 was 76.9% and 76.4% respectively (Fig. 4 & Table 4). This is far less than the target level of 95%. In 1999 MMR1 uptake ranged from 70.1% (MHB) to 86.6% (SEHB), while in 2000 (Q1+Q2) it range from 72.7% (MWHB) to 87.5% (SEHB).

Fig. 1
Immunisation Uptake in Children 24 months of age in Quarter 1, 2000
i.e. children born between 01/01/1998 and 31/03/1998

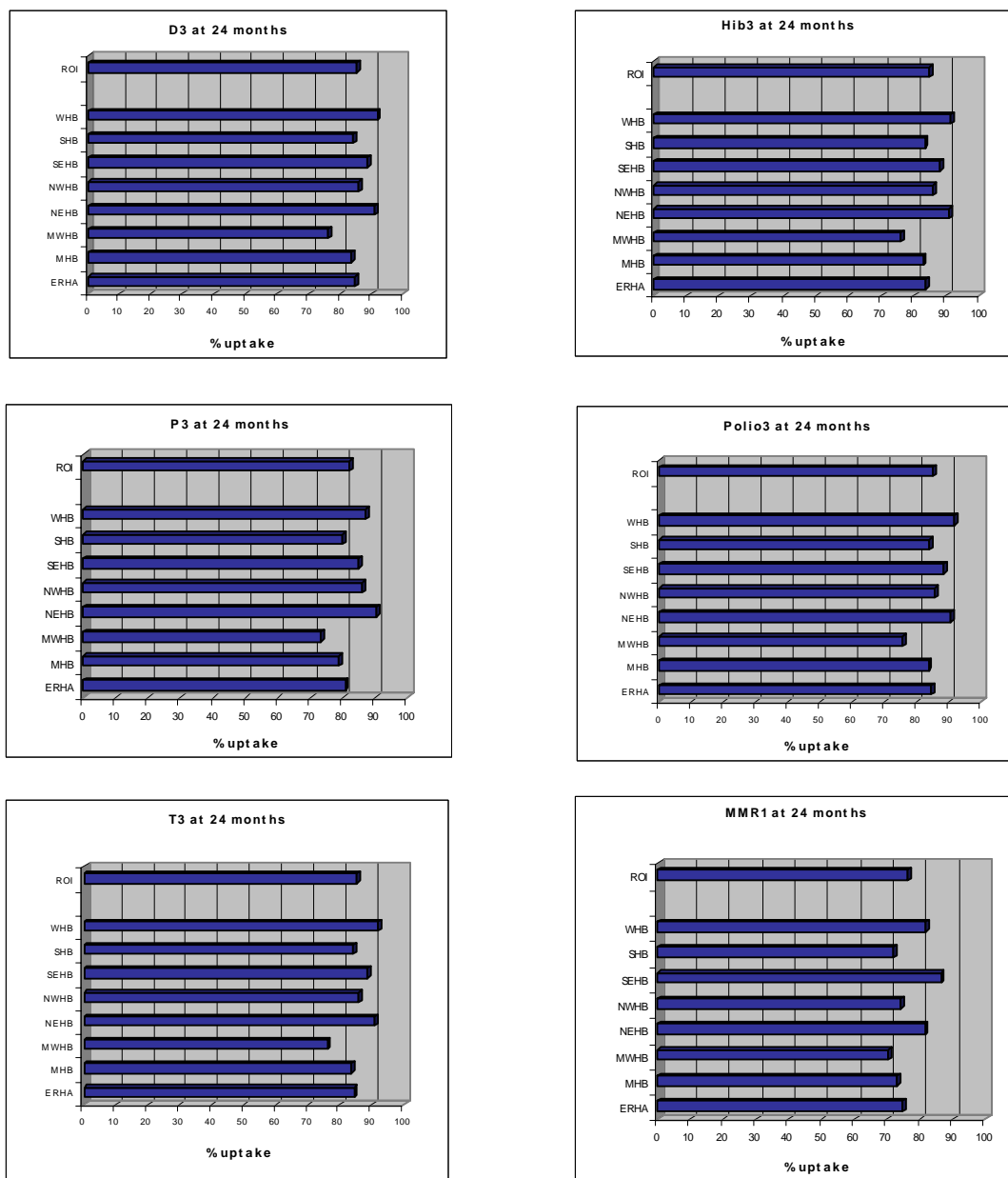


Table 1

Percentage uptake at 24 months ~ Quarter 1 2000						
	D3	P3	T3	Hib3	Polio3	MMR1
ERHA	84.4	80.6	84.4	83.6	84.2	74.7
MHB	83.4	78.4	83.4	82.7	83.6	72.8
MWHB	75.9	73.3	75.9	75.7	75.5	70.1
NEHB	90.7	90.3	90.7	90.6	90.6	81.4
NWHB	85.9	85.9	85.9	85.7	85.7	74.2
SEHB	88.6	84.6	88.6	88.1	88.4	86.3
SHB	83.9	79.8	83.9	83.3	83.9	71.9
WHB	91.7	87.1	91.7	91.2	91.6	81.9
ROI	85.2	81.8	85.2	84.6	85.0	76.1

NWHB could only provide an uptake level for DTaP/DT combined therefore the figure quoted above for P3 is overestimated

Fig. 2

**Immunisation Uptake in Children 24 months of age in Quarter 2, 2000
i.e. children born between 01/04/98 and 30/06/1998**

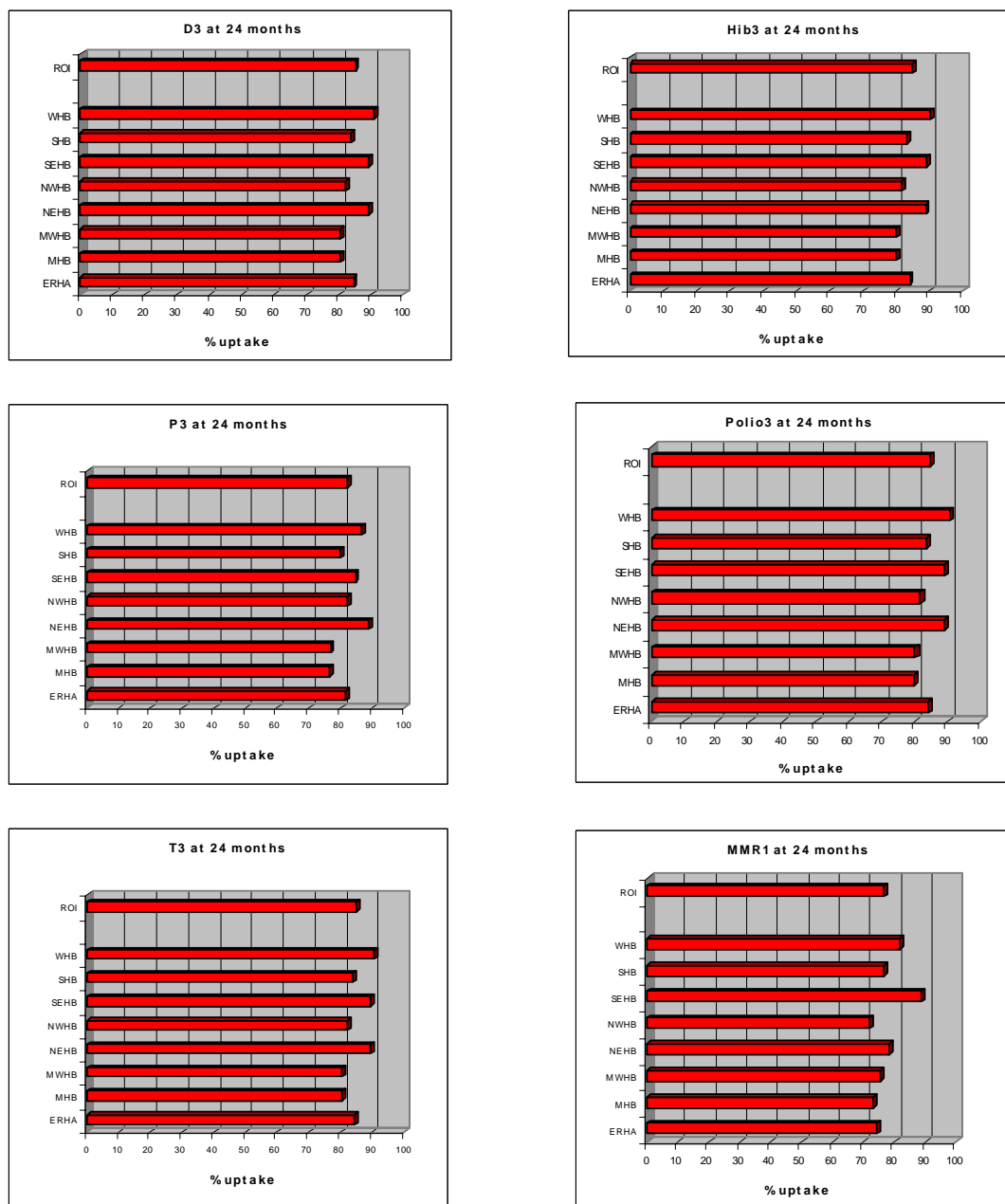


Table 2

Percentage uptake at 24 months ~ Quarter 2 2000						
	D3	P3	T3	Hib3	Polio3	MMR1
ERHA	84.4	81.4	84.4	84.0	84.1	74.0
MHB	80.4	76.4	80.4	80.1	79.8	73.0
MWHB	80.2	76.8	80.2	79.9	80.0	75.1
NEHB	89.3	89.0	89.3	88.8	89.0	78.4
NWHB	81.9	81.9	81.9	81.5	81.7	71.8
SEHB	89.2	84.6	89.2	89.2	88.8	88.8
SHB	83.8	79.7	83.8	83.4	83.8	76.4
WHB	90.6	86.7	90.6	90.1	90.5	81.6
ROI	85.0	81.9	85.0	84.6	84.7	76.7

NWHB could only provide an uptake level for DTaP/DT combined therefore the figure quoted above for P3 is overestimated

Fig. 3a

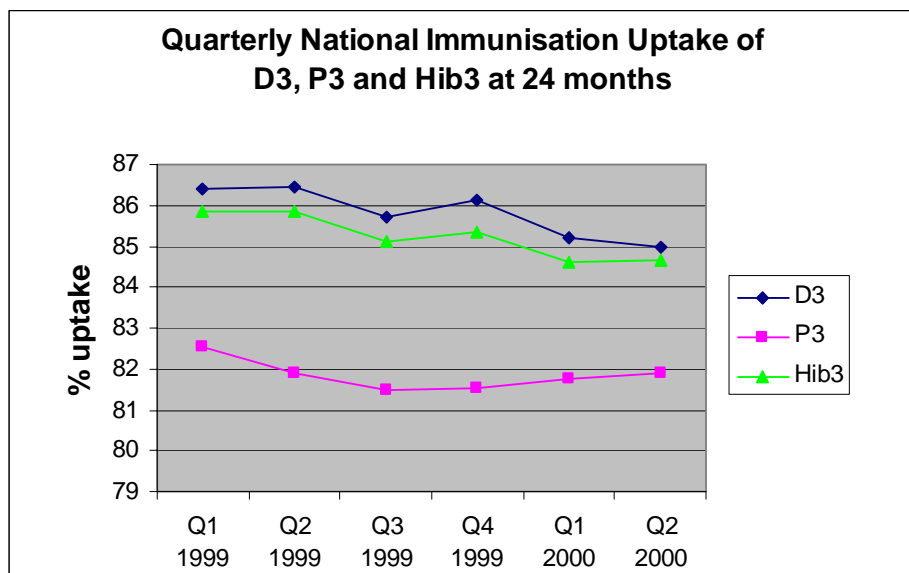


Fig. 3b

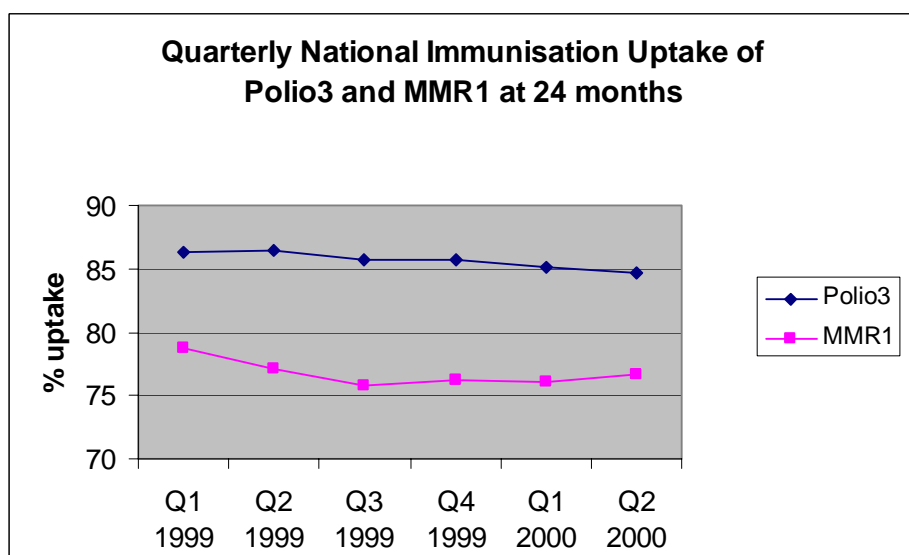
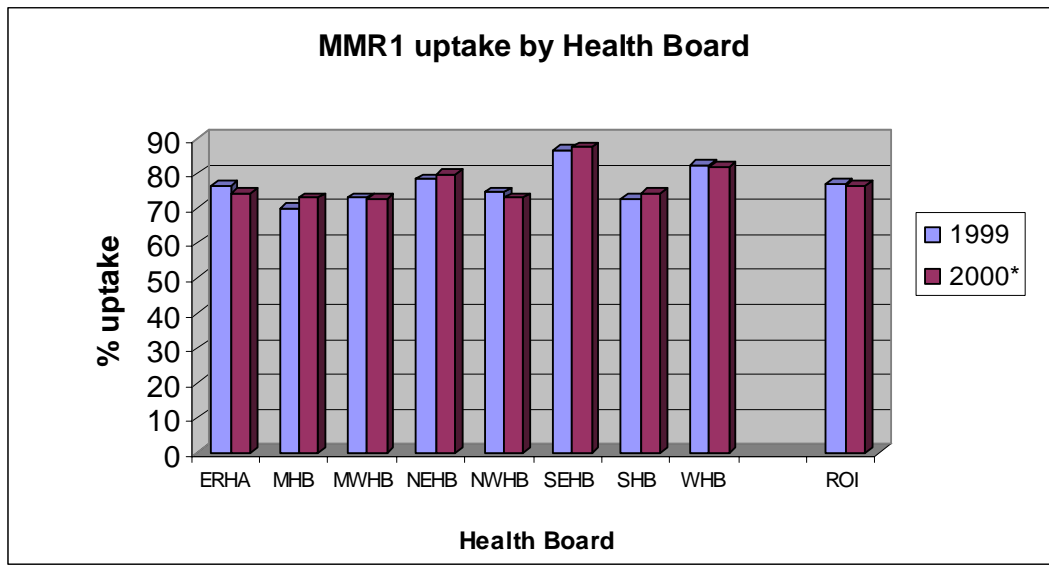


Table 3

Immunisation Uptake (%) at 24 months ~ Quarterly Data						
	D ₃	P ₃	T ₃	Hib ₃	Polio ₃	MMR1
Q1 1999	86.4	82.6	86.4	85.9	86.2	78.7
Q2 1999	86.5	81.9	86.5	85.8	86.4	77.1
Q3 1999	85.7	81.5	85.7	85.1	85.7	75.8
Q4 1999	86.1	81.5	86.1	85.3	85.7	76.2
Q1 2000	85.2	81.8	85.2	84.6	85.0	76.1
Q2 2000	85.0	81.9	85.0	84.6	84.7	76.7

Fig. 4

Primary MMR1 uptake at 24 months by Health Board in 1999 and 2000



* 2000 rates based on Quarter 1 and 2 data only

Table 4

% MMR1 uptake at 24 months		
	1999	2000*
ERHA	76.6	74.3
MHB	70.1	72.9
MWHB	72.9	72.7
NEHB	78.3	79.9
NWHB	74.6	73.0
SEHB	86.6	87.5
SHB	72.5	74.3
WHB	82.5	81.7
ROI	76.9	76.4

* 2000 rates based on Quarter 1 and 2 data only