

8.2 DTaP/IPV* and MMR† vaccine uptake 2014/2015

Key Points

Uptake of the DTaP/IPV vaccine among junior infant schoolchildren during 2014/2015 in HSE-administered Local Health Offices (LHOs) was 91.5% and in GP-administered LHOs it was 92.3%

Uptake of the MMR vaccine among junior infant schoolchildren during 2014/2015 in HSE-administered LHOs was 91.3% and in GP-administered LHOs it was 91.8%

Background

Uptake of the DTaP-IPV* and MMR† vaccines in 4-5 year old junior Infant schoolchildren was monitored across all Local Health Offices (LHOs) during the academic year 2014/2015. The uptake data provided by immunisation coordinators and other administrative staff¹ to HPSC were entered on to a MS Excel database and compared to those reported for the previous 2013/2014 season, where possible.

HSE-school team versus GP-vaccine administered LHOs

In 29 out of the 31 LHOs across the country, the junior infant vaccination programme is delivered by HSE school teams

who administer the vaccine to the children at school. In the remaining two LHOs, Donegal and Sligo/Leitrim, these vaccines are administered to children exclusively by GPs rather than by school teams. During 2014/2015 however, a combination of a school team/GP programme also existed in seven HSE-administered LHOs with a percentage of children been given vaccines by a GP (Table 1).

Target populations

For the 2014/2015 academic year, the target population in HSE-vaccine administered LHOs was all children in Junior Infants on the school register on the 30th September 2014. For GP-vaccine administered LHOs, the target population was all children born between the 1st September 2008 and 31st August 2009.

The different ways in which the target populations have been defined in the HSE- and GP-vaccinated administered LHOs has meant that a national uptake for either vaccine could not be calculated.

One of the difficulties in presenting vaccination uptake data by community healthcare organisation (CHO) area is the fact that Donegal and Sligo/Leitrim, two GP-administered LHOs, are part of CHO area 1 which also includes the HSE administered LHO Cavan/Monaghan. This means that the uptake in CHO area 1 cannot be compared to the other eight CHO areas 2 to 9.

¹ Data for the North West area were provided to HPSC by the local Department of Public Health

Table 1. Proportion of DTaP-IPV vaccine and MMR uptake in HSE-administered LHOs attributable to GPs in 2014/2015

LHO	Separate % DTaP-IPV and MMR Vaccine Uptake Administered by GPs
North Cork	46.4%
Kerry	30.9%
North South Lee	12.2%
West Cork	8.9%
Dublin South East	7.4%
Tipperary South	5.2%
Carlow/Kilkenny	3.5%
Wicklow	% not specified
Louth	% not specified

* DTaP-IPV = Diphtheria, Tetanus, acellular Pertussis and Polio vaccine

† MMR = Measles, Mumps and Rubella vaccine

[‡] Excludes Meath which reported the number of children requiring a catch up MMR dose, but not the number who were vaccinated

Table 2. Overall uptake of the DTaP-IPV and MMR vaccines in Junior Infants during the 2014/2015 academic year

CHO	LHO Name	HSE-administered LHOs						CP-administered LHOs					
		DTaP-IPV vaccine			MMR vaccine			DTaP-IPV vaccine			MMR vaccine		
		Cohort	Number children who have received 1 dose DTaP-IPV vaccine	%	Cohort	Number children who have received 1 dose MMR vaccine	%	Cohort	Number children who have received 1 dose DTaP-IPV vaccine	%	Cohort	Number children who have received 1 dose MMR vaccine	%
1	Cavan/Monaghan	2,190	1,959	89.5%	2,190	1,930	88.1%	HSE	HSE	HSE	HSE	HSE	
	Donegal	GP	GP	GP	GP	GP	GP	2,444	2,226	91.1%	2,444	2,207	90.3%
	Sligo/Leitrim	GP	GP	GP	GP	GP	GP	1,445	1,363	94.3%	1,445	1,362	94.3%
2	CHO 1 Total	2,190	1,959	89.5%	2,190	1,930	88.1%	3,889	3,589	92.3%	3,889	3,569	91.8%
	Galway	3,915	3,281	83.8%	3,915	3,298	84.2%	HSE	HSE	HSE	HSE	HSE	
	Mayo	1,881	1,628	86.5%	1,881	1,649	87.7%	HSE	HSE	HSE	HSE	HSE	
3	Roscommon	976	933	95.6%	976	933	95.6%	HSE	HSE	HSE	HSE	HSE	
	CHO 2 Total	6,772	5,842	86.3%	6,772	5,880	86.8%						
	Clare	1,806	1,556	86.2%	1,806	1,562	86.5%	HSE	HSE	HSE	HSE	HSE	
4	Limerick	2,001	1,642	82.1%	2,001	1,639	81.9%	HSE	HSE	HSE	HSE	HSE	
	Tipperary North	2,007	1,757	87.5%	2,007	1,758	87.6%	HSE	HSE	HSE	HSE	HSE	
	CHO 3 Total	5,814	4,955	85.2%	5,814	4,959	85.3%						
5	Kerry	2,010	1,876	93.3%	2,010	1,876	93.3%	HSE	HSE	HSE	HSE	HSE	
	North Cork	1,530	1,392	91.0%	1,530	1,391	90.9%	HSE	HSE	HSE	HSE	HSE	
	North Lee/South Lee	5,843	5,479	93.8%	5,843	5,482	93.8%	HSE	HSE	HSE	HSE	HSE	
6	West Cork	753	685	91.0%	753	685	91.0%	HSE	HSE	HSE	HSE	HSE	
	CHO 4 Total	10,136	9,432	93.1%	10,136	9,434	93.1%						
	Carlow/Kilkenny	1,879	1,808	96.2%	1,879	1,821	96.9%	HSE	HSE	HSE	HSE	HSE	
7	South Tipperary	1,453	1,360	93.6%	1,451	1,362	93.9%	HSE	HSE	HSE	HSE	HSE	
	Waterford	2,012	1,957	97.3%	2,012	1,956	97.2%	HSE	HSE	HSE	HSE	HSE	
	Wexford	2,211	2,055	92.9%	2,211	2,057	93.0%	HSE	HSE	HSE	HSE	HSE	
8	CHO 5 Total	7,555	7,180	95.0%	7,553	7,196	95.3%						
	Dublin South	1,913	1,811	94.7%	1,913	1,813	94.8%	HSE	HSE	HSE	HSE	HSE	
	Dublin South East	1,656	1,312	79.2%	1,656	1,329	80.3%	HSE	HSE	HSE	HSE	HSE	
9	Wicklow	2,014	1,952	96.9%	2,014	1,943	96.5%	HSE	HSE	HSE	HSE	HSE	
	CHO 6 Total	5,583	5,075	90.9%	5,583	5,085	91.1%						
	Dublin South City	1,579	1,468	93.0%	1,579	1,453	92.0%	HSE	HSE	HSE	HSE	HSE	
10	Dublin South West	2,064	1,958	94.9%	2,064	1,968	95.3%	HSE	HSE	HSE	HSE	HSE	
	Dublin West	2,866	2,663	92.9%	2,866	2,654	92.6%	HSE	HSE	HSE	HSE	HSE	
	Kildare/West Wicklow	4,171	4,035	96.7%	4,171	4,023	96.5%	HSE	HSE	HSE	HSE	HSE	
11	CHO 7 Total	10,680	10,124	94.8%	10,680	10,098	94.6%						
	Laois/Offaly	2,743	2,459	89.6%	2,743	2,429	88.6%	HSE	HSE	HSE	HSE	HSE	
	Longford/Westmeath	2,170	2,122	97.8%	2,170	2,119	97.6%	HSE	HSE	HSE	HSE	HSE	
12	Louth	2,170	1,991	91.8%	2,170	1,952	90.0%	HSE	HSE	HSE	HSE	HSE	
	Meath	3,591	3,440	95.8%	3,591	3,437	95.7%	HSE	HSE	HSE	HSE	HSE	
	CHO 8 Total	10,674	10,012	93.8%	10,674	9,937	93.1%						
13	Dublin North	4,415	3,932	89.1%	4,415	3,917	88.7%	HSE	HSE	HSE	HSE	HSE	
	Dublin North Central	1,410	1,269	90.0%	1,410	1,282	90.9%	HSE	HSE	HSE	HSE	HSE	
	Dublin North West	3,177	2,789	87.8%	3,177	2,758	86.8%	HSE	HSE	HSE	HSE	HSE	
14	CHO 9 Total	9,002	7,990	88.8%	9,002	7,957	88.4%						
	National Total	68,406	62,569	91.5%	68,404	62,476	91.3%	3,889	3,589	92.3%	3,889	3,569	91.8%

GP=Vaccine administered by GPs in these areas; HSE=Vaccine administered by HSE public health personnel in these areas; Target population HSE-vaccine administered areas: All children in Junior Infants on the school register on 30/09/2014 for the 2014/2015 academic year; Target population in GP-vaccine administered areas: All children born between 01/09/2008 and 31/08/2009

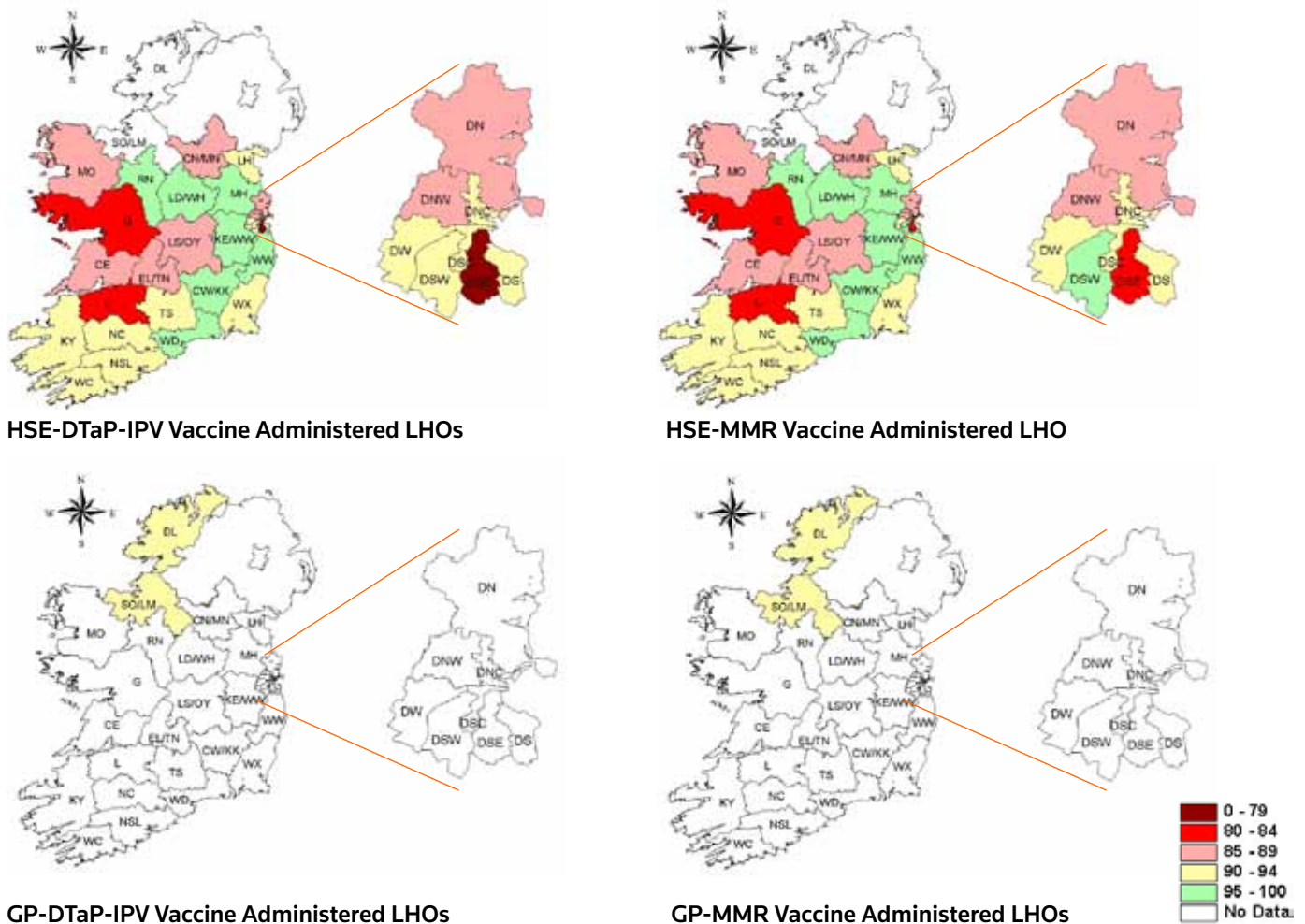


Figure 1. LHO Maps of DTaP-IPV & MMR percentage vaccine uptake at Junior Infants level during the 2014/2015 academic year

Uptake of DTaP-IPV vaccine

Between 2013/2014 and 2014/2015, the overall uptake of the DTaP-IPV vaccine in HSE-vaccine administered LHOs remained unchanged at 91.5%. In 2014/2015, the average uptake among these LHOs was 91.4% with a range from 79.2% in Dublin South East to 97.8% in Longford/Westmeath. Of the 29 HSE administered LHOs, 14 reported an average uptake decline of 3.4% whilst 15 others reported an average increase of 3.3%. The largest reduction in uptake was reported by Galway (-11.9%) and the highest increase was reported by Dublin North Central (+12.6%).

During the same period of time, overall DTaP-IPV vaccine uptake in exclusively GP-vaccine administered LHOs (Donegal; Sligo/Leitrim) rose slightly from 92.2% to 92.3%: Donegal reported an uptake reduction of 1.0%, whilst Sligo/Leitrim reported an increase of 2.1%.

Uptake of MMR vaccine

The overall uptake of the MMR vaccine between 2013/2014 and 2014/2015 in HSE-vaccine administered LHOs remain unchanged at 91.3%. In 2014/2015, the average uptake among these LHOs was also 91.3% with a range from 80.3% in Dublin South East to 97.6% in Longford/Westmeath. Of the 29 HSE administered LHOs, 13 reported an average uptake reduction of 3.4% whilst 16 others reported an average increase of 3.0%. The largest reduction in uptake was reported by Galway (-10.5%) and the highest increase

was reported by Dublin North Central (+10.6%).

Overall MMR vaccine uptake in exclusively GP-vaccine administered LHOs decreased from 92.7% to 91.8% during the same time period: Donegal reported an uptake decrease of 1.7%, whilst Sligo/Leitrim reported an increase of 1.2%.

MMR catch-up vaccination

Fifteen[†] HSE-vaccine administered LHOs reported on the number of children needing a catch-up MMR dose one month later after been given their first dose. The total number of children identified was 139 (range zero to 32). Of these 139 children, 56 (40.3%) received a catch-up vaccine dose (range zero to 19) (data not shown).

Details of the overall uptake of the two vaccines in the HSE- and GP-vaccinated LHOs during 2014/2015 are presented in Table 2 and in the maps in Figure 1.

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