

Tdap vaccine uptake in Ireland: 2014/2015

The National Immunisation Advisory Committee recommends vaccination with Tdap vaccine at 11-14 years of age. The Tdap (tetanus and low-dose diphtheria and acellular pertussis) vaccine was introduced to the HSE schools immunisation programme on a phased basis from September 2011. The HSE extended the Tdap vaccination programme to all areas from September 2012. This vaccine is offered to students in first year of second level school and their equivalents in special school and home schooled. It replaces the previous school based Td (Tetanus and low dose diphtheria) vaccination programme. The adolescent booster was changed because more cases of pertussis have been occurring in adolescents and adults due to the waning immunity that occurs over time, combined with a reduction in natural boosting.

This is the third report of the comprehensive adolescent school based Tdap programme.

Tdap vaccine uptake in Ireland during the 2014/2015 academic year

Tdap vaccine uptake in the academic year 2014/2015, provided through the school immunisation programme for those in first year of second level schools and their equivalents in non-second level schools (i.e. special school, home schooled and out of school), and recorded on the School Immunisation System (SIS) are presented in table 1. The vaccinations are provided by vaccination teams from the Local Health Offices (LHOs) who go into schools in their areas to vaccinate. Data on vaccination is inputted into the SIS database at a local level. Please see the HSE National Immunisation Office (NIO) website at <http://www.immunisation.ie> for detailed and current information on the school vaccination programme.

The data presented here are the result of collaboration between NIO, School Immunisation Teams, Immunisation Coordinators, Immunisation System Administrators, Immunisation administrative staff and HPSC.

The figures presented in this summary are based on data recorded on SIS on the 9th August 2016. These figures are subject to change due to on-going updating of data on the database.

Summary

For the 2014-2015 academic year

- National uptake was 89.1%
- There was some regional variation with uptake among the Community Healthcare Organisations ranging from 79.2% to 93.7%

Table 1. Tdap vaccine uptake data in the academic year 2014/2015 (data extracted from SIS 09/08/2016)

Community Healthcare Organisation (CHO)	Local Health Office/Community Healthcare Organisation (CHO)	2014/2015				
		First year in second level and equivalent in special school, home schooled and out of school			Outside cohort	
		Denominator	Numbers vaccinated with Tdap:	% Vaccinated with Tdap:	Denominator	Numbers vaccinated with Tdap:
CHO1	Cavan/Monaghan	1788	1521	85.1%	N/A	4
	Donegal	2355	2212	93.9%	N/A	1
	Sligo/Leitrim	1299	1211	93.2%	N/A	1
	CHO1 Total	5442	4944	90.8%	N/A	6
CHO2	Galway	2986	2868	96.0%	N/A	3
	Mayo	1744	1566	89.8%	N/A	0
	Roscommon	641	600	93.6%	N/A	0
	CHO2 Total	5371	5034	93.7%	N/A	3
CHO3	Clare	1544	1374	89.0%	N/A	7
	Limerick	1963	1640	83.5%	N/A	7
	Tipperary NR/East Limerick	1958	1759	89.8%	N/A	5
	CHO3 Total	5465	4773	87.3%	N/A	19
CHO4	North Cork	1196	1031	86.2%	N/A	1
	North Lee - Cork	2548	2310	90.7%	N/A	0
	South Lee - Cork	2567	2305	89.8%	N/A	2
	West Cork	706	610	86.4%	N/A	0
	Kerry	1904	1610	84.6%	N/A	2
	CHO4 Total	8921	7866	88.2%	N/A	5
CHO5	Carlow/Kilkenny	2059	1905	92.5%	N/A	18
	South Tipperary	1225	1143	93.3%	N/A	39
	Waterford	1783	1685	94.5%	N/A	0
	Wexford	2182	2002	91.8%	N/A	0
	CHO5 Total	7249	6735	92.9%	N/A	57
CHO6	Dublin South	2015	1823	90.5%	N/A	17
	Dublin South East	1278	1092	85.4%	N/A	4
	Wicklow	1512	1363	90.1%	N/A	6
	CHO6 Total	4805	4278	89.0%	N/A	27
CHO7	Dublin South City	1491	1310	87.9%	N/A	0
	Dublin South West	1830	1460	79.8%	N/A	1
	Dublin West	2050	1845	90.0%	N/A	7
	Kildare/West Wicklow	3361	3385	100.7%	N/A	9
	CHO7 Total	8732	8000	91.6%	N/A	17
CHO8	Laois/Offaly	2204	2051	93.06%	N/A	1
	Longford/Westmeath	2267	2074	91.5%	N/A	9
	Louth	2153	1842	85.6%	N/A	4
	Meath	2780	2535	91.2%	N/A	6
	CHO8 Total	9404	8502	90.4%	N/A	20
CHO9	Dublin North West	2729	2148	78.7%	N/A	7
	Dublin North Central	1618	1285	79.4%	N/A	0
	Dublin North	3011	2398	79.6%	N/A	168
	CHO9 Total	7358	5831	79.2%	N/A	175
Homeschooled		94	12	12.8%	N/A	0
Total of LHOs and home schooled		62841	55975	89.1%	N/A	329
Out of School		N/A	0	N/A	N/A	0
Total of LHOs and home schooled and out of school		N/A	55975	N/A	N/A	329

Outside cohort refers to those who were vaccinated but who were outside the routine cohort for vaccination

Local health office (LHO) refers to the LHO of the school. Therefore, in reports the LHOs of homeschooled and out of school children do not appear

N/A-Not applicable

Internationally

In the United States, Tdap vaccination coverage was 87.6% in 2014 among 13-17 year olds.¹

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References

1. CDC. Teen Vaccination Coverage 2014. National Immunization Survey-Teen (NIS-Teen). Available at <http://www.cdc.gov/vaccines/parents/vacc-coverage-teens.html>. Accessed 10/05/2016.