

Tdap vaccine uptake in Ireland: 2013/2014

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. This vaccine is offered to students in first year of second level schools and replaces the previous school based Td (Tetanus and low dose diphtheria) vaccination programme. The HSE extended the Tdap vaccination programme to all areas from September 2012.

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 second report of the new and comprehensive adolescent school based Tdap programme.

Tdap vaccine uptake during the 2013/2014 academic year

The National Immunisation Advisory Committee recommends vaccination with Tdap vaccine at 11-14 years of age. Tdap vaccine uptake in the academic year 2013/2014, 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://hse.ie/immunisation> 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 the national immunisation system on the 20th April 2015. These figures are subject to change due to ongoing updating of data on the database.

Acknowledgements

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Summary

For 2013-2014 academic year

- National uptake, based on data from 31 of 32 LHOs, was 83.7%*

There was some regional variation with the following uptake reported by HSE region:

- Dublin Mid Leinster 82.2%
- Dublin North East 81.8%
- South 87.8%
- West 80.5%

**Roscommon LHO unable to provide complete data and therefore data excluded from national figure*

Table 1. Tdap uptake data in the academic year 2013/2014 (data extracted 20/04/2015)

HSE Region	Local Health Office/HSE Region	2013/2014				
		First year in second level and equivalent in special schools, home schooled and out of school			Outside cohort	
		Denominator	Numbers vaccinated with Tdap:	% Vaccinated with Tdap:	Denominator	Numbers vaccinated with Tdap:
Dublin Mid Leinster	Dublin South	2010	1642	81.7%	N/A	12
	Dublin South East	1157	883	76.3%	N/A	3
	Dublin South City	1466	1180	80.5%	N/A	6
	Dublin South West	1762	1362	77.3%	N/A	10
	Dublin West	2110	1574	74.6%	N/A	9
	Kildare/West Wicklow	3589	2991	83.3%	N/A	8
	Wicklow	1420	1212	85.4%	N/A	3
	Laois/Offaly	2197	1850	84.2%	N/A	20
	Longford/Westmeath	2090	1937	92.7%	N/A	4
	Total Dublin Mid Leinster	17801	14631	82.2%	N/A	75
Dublin North East	Dublin North	3048	2462	80.8%	N/A	8
	Dublin North Central	1518	1063	70.0%	N/A	2
	Dublin North West	2476	2299	92.9%	N/A	0
	Cavan/Monaghan	1756	1319	75.1%	N/A	0
	Louth	2050	1631	79.6%	N/A	0
	Meath	2571	2206	85.8%	N/A	498
	Total Dublin North East	13419	10980	81.8%	N/A	508
South	North Cork	1181	955	80.9%	N/A	2
	North Lee - Cork	2466	2089	84.7%	N/A	5
	South Lee - Cork	2444	2092	85.6%	N/A	2
	West Cork	741	643	86.8%	N/A	0
	Kerry	1856	1587	85.5%	N/A	0
	Carlow/Kilkenny	1997	1845	92.4%	N/A	16
	South Tipperary	1147	1032	90.0%	N/A	3
	Waterford	1720	1625	94.5%	N/A	5
	Wexford	1976	1767	89.4%	N/A	83
Total South	15528	13635	87.8%	N/A	116	
West	Donegal	2264	2057	90.9%	N/A	5
	Sligo/Leitrim	1251	1142	91.3%	N/A	1
	Galway	3089	2537	82.1%	N/A	43
	Mayo	1759	1453	82.6%	N/A	0
	Roscommon	-	-	-	N/A	-
	Clare	1418	1209	85.3%	N/A	17
	Limerick	2185	1511	69.2%	N/A	3
	Tipperary NR/	1867	1578	84.5%	N/A	16
	Total West	13833	11487	80.5%	N/A	85
Homeschooled	0	3	0	N/A	0	
Total of LHOs and home schooled	60581	50736	83.7%	N/A	784	
Out of School	N/A	0	N/A	N/A	2	
Total of LHOs and home schooled and out of school	N/A	50736	N/A	N/A	786	

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

Roscommon Tdap data were excluded as this LHO reported incomplete data entry at the time of data extraction and that a larger number were vaccinated than were recorded on the database; therefore their numbers are excluded here from the total denominator and calculation of percentage uptake figures.