

Tdap vaccine uptake in Ireland: 2012/2013

The Tdap (tetanus and low-dose diphtheria and acellular pertussis) vaccine was introduced to the 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 first report of the new and comprehensive adolescent school based Tdap programme.

Tdap vaccine uptake during the 2012/2013 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 2012/2013, 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 12th December 2014. These figures are subject to change due to ongoing updating of data on the database.

Acknowledgements

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Summary

For 2012-2013 academic year

- 29 of 32 (90.6%) LHOs inputted data relating to adolescent Tdap booster onto the School Immunisation System by 12th December 2014
- National uptake among reporting LHOs was 82.0%

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

- Dublin Mid Leinster 78.3%
- Dublin North East 76.9%
- South 89.0%
- West 82.2%

The LHOs with the highest/lowest uptakes (based on inputted data) were:

- Highest: Waterford 98.2%
- Lowest: Cavan/Monaghan 65.4%

Table 1. Tdap uptake data in the academic year 2012/2013 (data extracted 12/12/2014)

HSE Region	Local Health Office/HSE Region	2012/2013				
		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	1947	1455	74.7%	N/A	2
	Dublin South East	1164	889	76.4%	N/A	9
	Dublin South City	1432	1162	81.1%	N/A	6
	Dublin South West	1707	1355	79.4%	N/A	486
	Dublin West	1935	1346	69.6%	N/A	38
	Kildare/West Wicklow	3377	2825	83.7%	N/A	20
	Wicklow	1483	1187	80.0%	N/A	4
	Laois/Offaly	-	-	-	N/A	-
	Longford/Westmeath	-	-	-	N/A	-
Total Dublin Mid Leinster	13045	10219	78.3%	N/A	565	
Dublin North East	Dublin North	2943	2544	86.4%	N/A	8
	Dublin North Central	1479	1006	68.0%	N/A	2
	Dublin North West	2402	1726	71.9%	N/A	0
	Cavan/Monaghan	1805	1180	65.4%	N/A	1
	Louth	2036	1399	68.7%	N/A	5
	Meath	2340	2151	91.9%	N/A	1545
	Total Dublin North East	13005	10006	76.9%	N/A	1561
South	North Cork	1208	1001	82.9%	N/A	2
	North Lee - Cork	2472	2147	86.9%	N/A	5
	South Lee - Cork	2250	1973	87.7%	N/A	3
	West Cork	728	606	83.2%	N/A	0
	Kerry	1908	1650	86.5%	N/A	0
	Carlow/Kilkenny	1927	1800	93.4%	N/A	111
	South Tipperary	1148	1024	89.2%	N/A	8
	Waterford	1622	1592	98.2%	N/A	7
	Wexford	2165	1944	89.8%	N/A	20
Total South	15428	13737	89.0%	N/A	156	
West	Donegal	2289	2032	88.8%	N/A	1
	Sligo/Leitrim	1229	1175	95.6%	N/A	3
	Galway	2946	2205	74.8%	N/A	1
	Mayo	1742	1260	72.3%	N/A	132
	Roscommon	-	-	-	N/A	-
	Clare	1451	1281	88.3%	N/A	3
	Limerick	1887	1423	75.4%	N/A	96
	Tipperary NR/	1908	1679	88.0%	N/A	7
Total West	13452	11055	82.2%	N/A	243	
Homeschooled	0	1		N/A	1	
Total of LHOs and home schooled	54930	45018	82.0%	N/A	2526	
Out of School	N/A	1	N/A	N/A	0	
Total of LHOs and home schooled and out of school	N/A	45019	N/A	N/A	2526	

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

Please note at the time of running this report Tdap vaccinations in Laois/Offaly, Longford/Westmeath and Roscommon were not recorded on the national database therefore their denominator numbers (i.e. numbers eligible for vaccination) are excluded here from the total denominator and calculation of percentage uptake figures.

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