

### Summary

- In children 12 months of age in Quarter 4-2007 the immunisation uptake target rate of 95% was reached or exceeded in
  - Dublin South East for D<sub>3</sub>, P<sub>3</sub>, T<sub>3</sub>, Hib<sub>3</sub>, Polio<sub>3</sub> and MenC<sub>3</sub>
  - Roscommon for MenC<sub>3</sub>
  - Clare, Limerick, Sligo/Leitrim and Tipperary NR/East Limerick for BCG
- In children 24 months of age in Quarter 4-2007 the immunisation uptake target rate of 95% was reached or exceeded in
  - Dublin South East and Longford/Westmeath for D<sub>3</sub>, P<sub>3</sub>, T<sub>3</sub>, Hib<sub>3</sub>, Polio<sub>3</sub>, MenC<sub>3</sub> and MMR<sub>1</sub>
  - Sligo/Leitrim for D<sub>3</sub>, P<sub>3</sub>, T<sub>3</sub>, Hib<sub>3</sub>, Hib<sub>b</sub>, Polio<sub>3</sub> and MMR<sub>1</sub>
  - Clare, Donegal, Dublin North West, Dublin South West, Laois/Offaly, North South Lee and Roscommon for D<sub>3</sub>, P<sub>3</sub>, T<sub>3</sub>, Hib<sub>3</sub>, Polio<sub>3</sub> and MenC<sub>3</sub>

The immunisation uptake statistics presented in this summary document relate to children 12 and 24 months of age in Quarter 4-2007 and who have received three doses of vaccines against diphtheria (D<sub>3</sub>), pertussis (P<sub>3</sub>), tetanus (T<sub>3</sub>), *Haemophilus influenzae* type b (Hib<sub>3</sub>), polio (Polio<sub>3</sub>) and meningococcal group C (MenC<sub>3</sub>), one booster dose of *Haemophilus influenzae* type b vaccine after 12 months of age (Hib<sub>b</sub>: uptake at 24 months only), one dose of vaccine against measles, mumps and rubella (MMR<sub>1</sub>; uptake at 24 months only) and one dose of BCG vaccine (BCG: uptake at 12 months only). These statistics therefore relate to uptake in the cohorts born between 01/10/2006 & 31/12/2006 and 01/10/2005 & 31/12/2005.

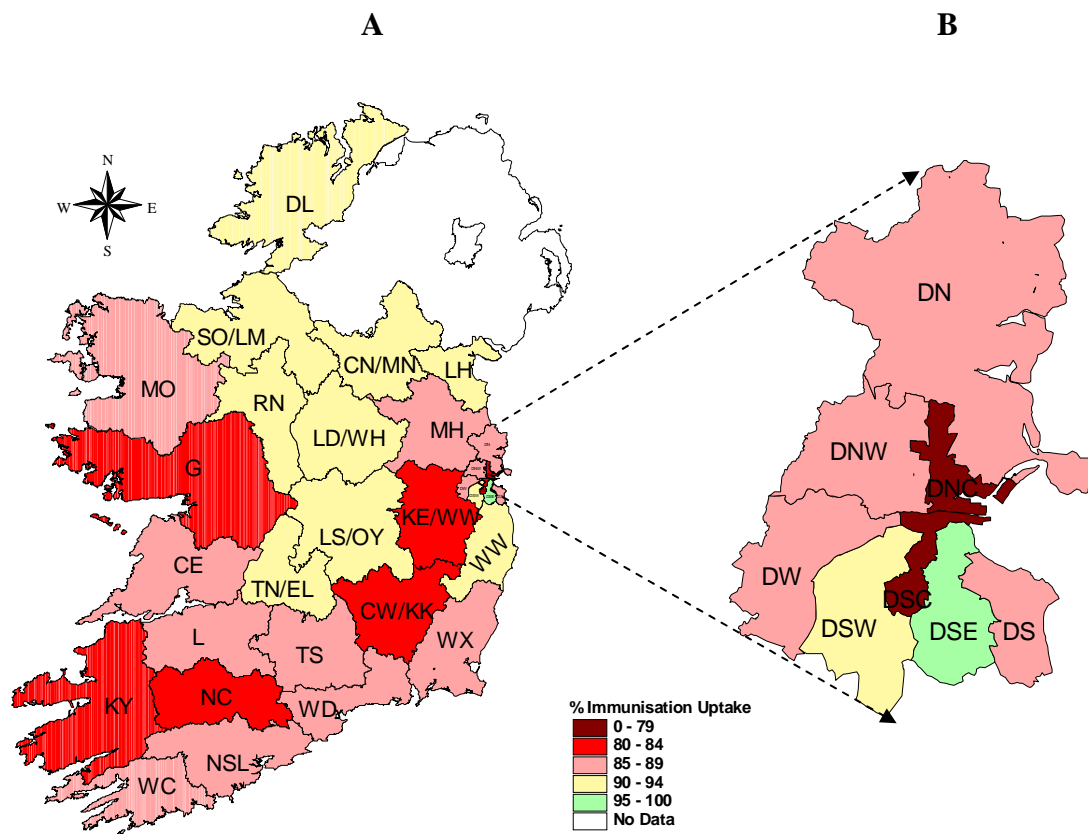
The immunisation uptake statistics for Quarter 4-2007 are presented in this summary document by Local Health Office (LHO) area. A separate report on the immunisation uptake statistics in Quarter 4-2007 by HSE Area is available at <http://www.hpsc.ie>. In addition, a complete listing of national and regional immunisation uptake statistics for each HSE Area at 12 and 24 months is also available at <http://www.hpsc.ie>.

D<sub>3</sub> immunisation uptake rates, in those 12 and 24 months of age in Quarter 4-2007, are mapped by LHO in figures 1 and 2. Immunisation uptake rates of P<sub>3</sub>, T<sub>3</sub>, Hib<sub>3</sub>, Polio<sub>3</sub> and MenC<sub>3</sub> are not mapped here by LHO because their rates are very similar to D<sub>3</sub> uptake rates (see tables 1 and 2).

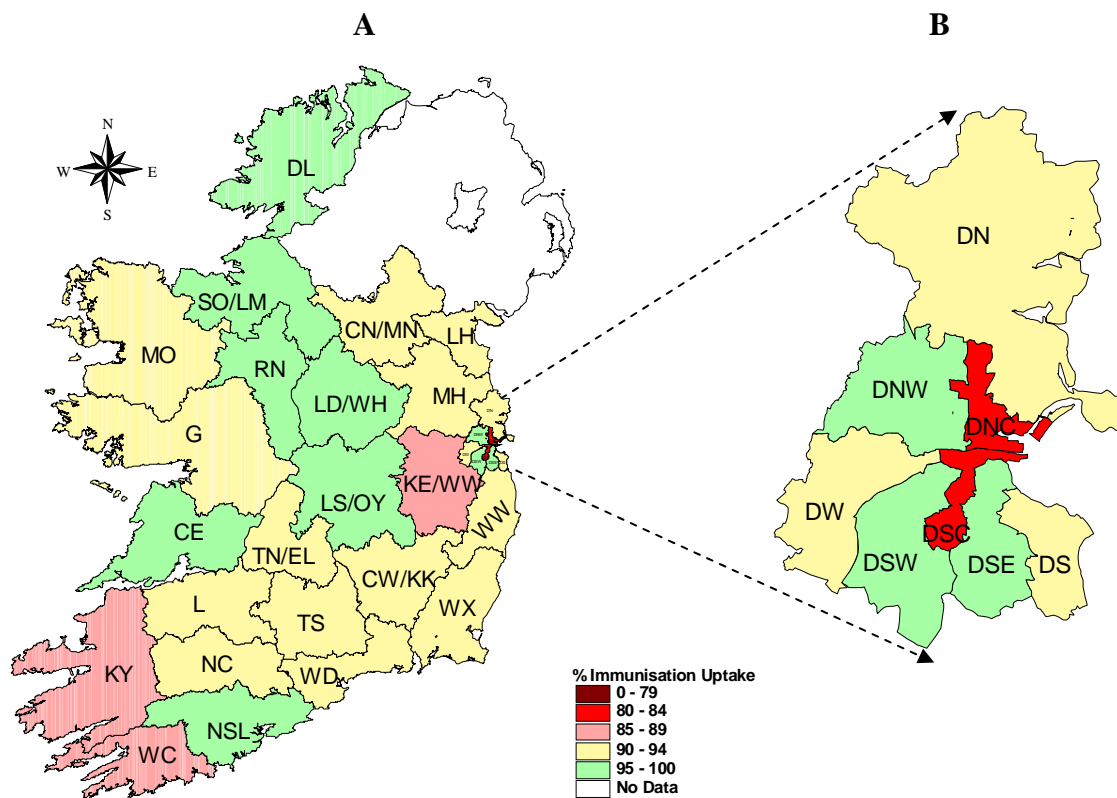
MMR<sub>1</sub> immunisation uptake rates, in those 24 months of age in Quarter 4-2007, are mapped by LHO in figure 3.

Hib<sub>b</sub> immunisation uptake rates, in those 24 months of age in Quarter 4-2007, are mapped by LHO in figure 4.

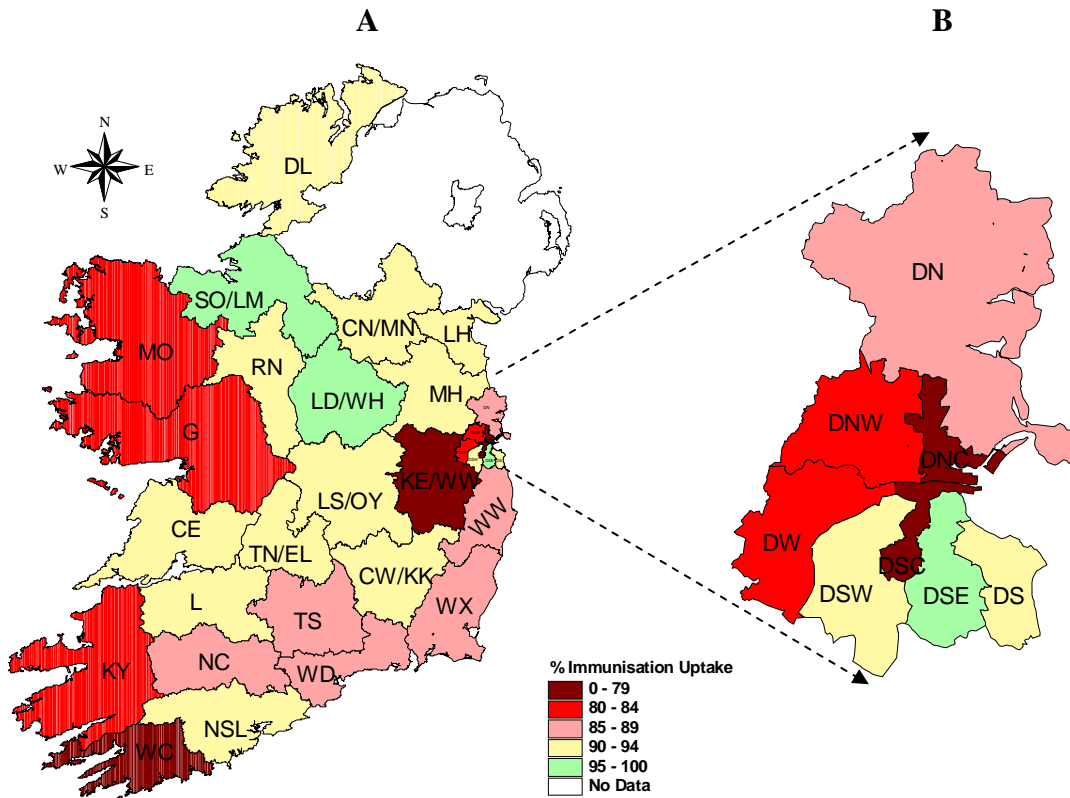
Immunisation uptake rates for all antigens, in those 12 and 24 months of age in Quarter 4-2007, are reported by LHO in tables 1 and 2.



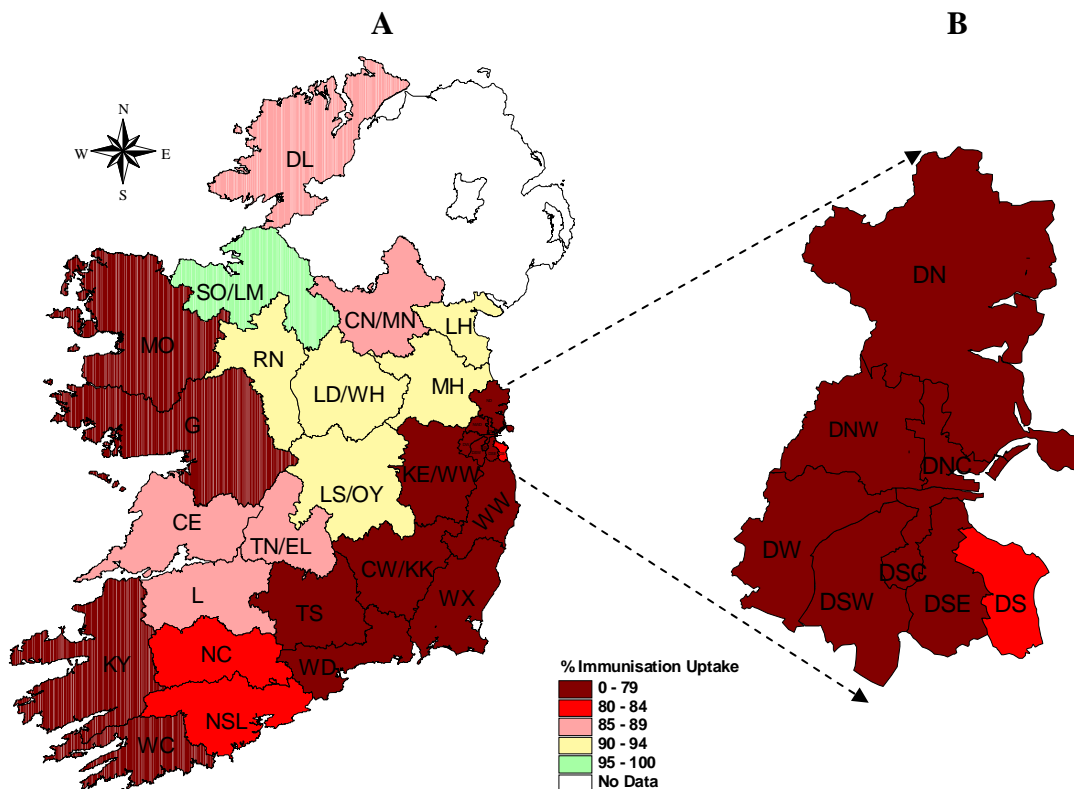
**Figure 1.** D<sub>3</sub> immunisation uptake rates (%) by LHO, in those 12 months of age in Quarter 4 2007, in (A) Ireland and (B) Dublin. Please see Appendix 1 to translate codes for LHO areas.



**Figure 2.** D<sub>3</sub> immunisation uptake rates (%) by LHO, in those 24 months of age in Quarter 4 2007, in (A) Ireland and (B) Dublin. Please see Appendix 1 to translate codes for LHO areas.



**Figure 3.** MMR<sub>1</sub> immunisation uptake rates (%) by LHO, in those 24 months of age in Quarter 4 2007, in (A) Ireland and (B) Dublin. Please see Appendix 1 to translate codes for LHO areas.



**Figure 4.** Hib<sub>b</sub> immunisation uptake rates (%) by LHO, in those 24 months of age in Quarter 4 2007, in (A) Ireland and (B) Dublin. Please note the Hib<sub>b</sub> immunisation uptake rate reported relates to children in this birth cohort who received one dose of Hib after 12 months of age, as this was the format most HSE-Areas could extract the data. The HSE-E (Dublin, KE/WW and WW) and HSE-W (G, MO and RN) rates are probably underestimates as only the number of children who had received four doses of Hib (Hib<sub>4</sub>) were included in the calculation (as requested). The HSE-SE (CW/KK, TS, WD and WX) rates are an underestimate due to the data extraction method. Please see Appendix 1 to translate codes for LHO areas.

**Table 1: Immunisation Uptake Statistics at 12 months in Quarter 4 2007 by LHO/HSE Area**

Immunisation Uptake at 12 Months in Cohort Born 01/10/2006-31/12/2006										
HSE Area	LHO/HSE Area	No. in cohort for BCG	No. in cohort for other vaccines*	Immunisation Uptake (%)						
				BCG	D <sub>3</sub>	P <sub>3</sub>	T <sub>3</sub>	Hib <sub>3</sub>	Polio <sub>3</sub>	MenC <sub>3</sub>
Eastern	Dublin South	na	375	na	89	89	89	89	89	89
	Dublin South East	na	314	na	95	95	95	95	95	95
	Dublin South City	na	368	na	79	79	79	79	79	79
	Dublin South West	na	596	na	91	91	91	90	91	90
	Dublin West	na	686	na	88	88	88	88	88	88
	Dublin North West	na	883	na	87	87	87	86	87	86
	Dublin North Central	na	382	na	79	79	79	79	79	79
	Dublin North	na	919	na	88	88	88	88	88	87
	Kildare/West Wicklow	na	1046	na	84	84	84	84	84	84
	Wicklow	na	480	na	91	91	91	91	91	91
<b>HSE-E Total</b>	<b>na</b>	<b>6049</b>	<b>na</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>
Midland	Laois/Offaly	621	621	92	93	93	93	93	93	93
	Longford/Westmeath	506	506	94	93	93	93	93	93	93
	<b>HSE-M Total</b>	<b>1127</b>	<b>1127</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>
Mid Western	Clare	396	410	98	87	87	87	87	87	87
	Limerick	490	518	98	87	87	87	87	87	87
	Tipperary NR/East Limerick	416	433	97	93	93	93	93	93	92
	<b>HSE-MW Total</b>	<b>1302</b>	<b>1361</b>	<b>98</b>	<b>89</b>	<b>89</b>	<b>89</b>	<b>89</b>	<b>89</b>	<b>89</b>
North Eastern	Cavan/Monaghan	na	469	na	91	91	91	91	92	89
	Louth	na	514	na	91	91	91	91	91	88
	Meath	na	771	na	89	89	89	89	89	87
	<b>HSE-NE Total</b>	<b>na</b>	<b>1754</b>	<b>na</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>88</b>
North Western	Donegal	526	526	90	91	91	91	91	91	90
	Sligo/Leitrim	338	338	95	92	92	92	91	92	89
	<b>HSE-NW Total</b>	<b>864</b>	<b>864</b>	<b>92</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>90</b>
South Eastern	Carlow/Kilkenny	484	484	89	83	83	83	83	83	83
	South Tipperary	304	304	93	87	87	87	87	87	86
	Waterford	460	460	90	86	86	86	86	86	85
	Wexford	545	545	93	87	87	87	87	87	87
	<b>HSE-SE Total</b>	<b>1793</b>	<b>1793</b>	<b>91</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>85</b>
Southern	North Cork	na	340	na	83	83	83	83	83	83
	North South Lee	na	1379	na	86	86	86	86	86	86
	West Cork	na	198	na	85	85	85	85	85	85
	Kerry	526	523	90	81	81	81	81	81	81
	<b>HSE-S Total †</b>	<b>526</b>	<b>2440</b>	<b>90</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>84</b>
Western	Galway	na	918	na	83	83	83	83	83	84
	Mayo	na	395	na	88	88	88	88	88	87
	Roscommon	na	207	na	94	94	94	93	94	95
	<b>HSE-W Total</b>	<b>na</b>	<b>1520</b>	<b>na</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>
<b>Ireland ‡</b>		<b>5612</b>	<b>16908</b>	<b>93</b>	<b>88</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>88</b>	<b>87</b>

na=not available

\*As the denominator/number in cohort varied slightly according to vaccine, most commonly used number is presented here.

†HSE-Southern Area - part coverage of neonatal BCG (i.e. Kerry only)

‡BCG uptake data were available for five of the eight HSE-Areas (data from HSE-Southern Area relates to Kerry only).

Please note while North Lee and South Lee are two separate LHOs their combined immunisation uptake data are reported here

**Table 2: Immunisation Uptake Statistics at 24 months in Quarter 4 2007 by LHO/HSE Area**

Immunisation Uptake at 24 Months in Cohort Born 01/10/2005-31/12/2005											
HSE Area	LHO/HSE Area	No. in cohort for Hib <sub>6</sub>	No. in cohort for other vaccines*	Immunisation Uptake (%)							
				D <sub>3</sub>	P <sub>3</sub>	T <sub>3</sub>	Hib <sub>3</sub>	Hib <sub>6</sub> <sup>†</sup>	Polio <sub>3</sub>	MenC <sub>3</sub>	MMR <sub>1</sub>
Eastern	Dublin South	345	345	94	94	94	94	80	94	94	90
	Dublin South East	301	301	98	98	98	97	67	98	96	95
	Dublin South City	376	376	84	84	84	84	63	84	84	76
	Dublin South West	549	549	96	96	96	96	76	96	95	92
	Dublin West	566	566	90	90	90	90	73	90	89	84
	Dublin North West	739	739	97	97	97	97	71	97	97	83
	Dublin North Central	365	365	83	83	83	83	67	83	82	79
	Dublin North	874	874	91	91	91	91	72	91	91	87
	Kildare/West Wicklow	936	936	85	85	85	85	67	85	85	79
	Wicklow	396	396	90	90	90	90	71	90	90	87
	<b>HSE-E Total</b>	<b>5447</b>	<b>5447</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>71</b>	<b>91</b>	<b>90</b>	<b>85</b>
Midland	Laos/Offaly	545	552	96	96	96	96	90	96	96	93
	Longford/Westmeath	437	432	97	97	97	97	93	97	97	95
	<b>HSE-M Total</b>	<b>982</b>	<b>984</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>91</b>	<b>97</b>	<b>97</b>	<b>94</b>
Mid Western	Clare	411	411	97	97	97	97	87	97	96	94
	Limerick	452	452	92	92	92	92	86	92	92	91
	Tipperary NR/East Limerick	421	421	94	94	94	94	86	94	93	93
	<b>HSE-MW Total</b>	<b>1284</b>	<b>1284</b>	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>	<b>86</b>	<b>94</b>	<b>94</b>	<b>93</b>
North Eastern	Cavan/Monaghan	418	418	94	94	94	94	88	94	93	92
	Louth	454	454	94	94	94	94	91	94	94	91
	Meath	731	731	92	92	92	92	91	92	92	90
	<b>HSE-NE Total</b>	<b>1603</b>	<b>1603</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>91</b>	<b>93</b>	<b>93</b>	<b>91</b>
North Western	Donegal	527	527	98	98	98	97	88	98	96	93
	Sligo/Leitrim	273	273	98	98	98	95	95	98	90	97
	<b>HSE-NW Total</b>	<b>800</b>	<b>800</b>	<b>98</b>	<b>98</b>	<b>98</b>	<b>96</b>	<b>90</b>	<b>98</b>	<b>94</b>	<b>94</b>
South Eastern	Carlow/Kilkenny	726	461	93	93	93	92	55	93	91	90
	South Tipperary	541	347	92	92	92	90	50	92	89	89
	Waterford	752	499	90	90	90	91	51	90	90	85
	Wexford	794	529	91	91	91	90	56	91	90	89
	<b>HSE-SE Total</b>	<b>2813</b>	<b>1836</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>91</b>	<b>53</b>	<b>91</b>	<b>90</b>	<b>88</b>
Southern	North Cork	308	303	92	92	92	92	82	92	92	86
	North South Lee	1239	1249	95	95	95	95	81	95	95	92
	West Cork	171	165	86	86	86	86	64	86	85	76
	Kerry	404	399	89	89	89	89	72	89	89	83
	<b>HSE-S Total</b>	<b>2122</b>	<b>2116</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>78</b>	<b>93</b>	<b>93</b>	<b>88</b>
Western	Galway	885	885	90	90	90	90	61	90	90	84
	Mayo	433	433	94	94	94	94	61	94	94	83
	Roscommon	210	209	96	96	96	96	90	96	97	93
	<b>HSE-W Total</b>	<b>1528</b>	<b>1527</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>65</b>	<b>92</b>	<b>92</b>	<b>85</b>
	<b>Ireland</b>	<b>16579</b>	<b>15597</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>92</b>	<b>73</b>	<b>93</b>	<b>92</b>	<b>88</b>

na=not available

\*As the denominator/number in cohort varied slightly according to vaccine, most commonly used number is presented here.

† The Hib<sub>6</sub> immunisation uptake rate reported relates to children in this birth cohort who received one dose of Hib after 12 months of age, as this was the format most HSE-Areas could extract the data. The HSE-E and HSE-W rates are probably underestimates as only the number of children who had received four doses of Hib (Hib4) were included in the calculation (as requested). The HSE-SE rates are an underestimate due to the data extraction method.

Please note while North Lee and South Lee are two separate LHOs their combined immunisation uptake data are reported here.

## Appendix 1

Local Health Office (LHO) Codes (used in the maps in this report)	Local Health Office (LHO)
CE	Clare
CN/MN	Cavan/Monaghan
CW/KK	Carlow/Kilkenny
DL	Donegal
DN	Dublin North
DNC	Dublin North Central
DNW	Dublin North West
DS	Dublin South
DSC	Dublin South City
DSE	Dublin South East
DSW	Dublin South West
DW	Dublin West
G	Galway
KE/WW	Kildare/West Wicklow
KY	Kerry
L	Limerick
LD/WD	Longford/Westmeath
LH	Louth
LS/OY	Laois/Offaly
MH	Meath
MO	Mayo
NC	North Cork
NSL*	North South Lee*
RN	Roscommon
SO/LM	Sligo/Leitrim
TN/EL	Tipperary North /East Limerick
TS	South Tipperary
WC	West Cork
WD	Waterford
WX	Wexford
WW	Wicklow

\*Please note while North Lee and South Lee are two separate LHOs their combined immunisation uptake data are reported here