

**Pandemic H1N1 (Swine Flu) and Seasonal Influenza
Vaccine Uptake amongst Frontline Healthcare Workers
in England
2009/10**

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1.0 Executive summary

Frontline healthcare workers (HCWs) involved in direct patient care are encouraged to receive annually the trivalent seasonal influenza vaccination to protect themselves and their patients from influenza. With the emergence of the pandemic H1N1 influenza (swine flu) in 2009, HCWs were offered both the trivalent seasonal and monovalent H1N1 swine influenza vaccines (referred to as seasonal influenza and H1N1 vaccines hereafter) during the 2009/10 influenza season. Two types of H1N1 vaccine were available: Pandemrix[®], which was used widely, and Celvapan[®], which was used very infrequently.

To assess the uptake of the vaccines among HCWs, a combined H1N1 and seasonal influenza vaccine uptake survey of all 389 NHS Trusts (Acute, Mental Health, Ambulance, Primary Care, Care, and Foundation Trusts) in England was undertaken. This was in contrast to previous surveys which only collected data from Acute NHS Trusts. Cumulative data were collected weekly from 8 November 2009 to 4 April 2010 via the Department of Health's (DH) ImmForm website, a web-based reporting system for H1N1 and seasonal influenza vaccinations. Data were collected by vaccine type: seasonal, H1N1 (Pandemrix[®] and Celvapan[®]); by staff groupings (doctors, qualified nurses, other professionally qualified clinical staff, and support to clinical staff) and by Trust and Strategic Health Authority (SHA). The Health Protection Agency (HPA) co-ordinated and managed the data collection process on behalf of DH, and produced reports that allowed DH to track the progress and delivery of the programme.

This report describes and reports the results of the survey on the uptake of the H1N1 and seasonal influenza vaccines amongst frontline HCWs during the 2009/10 vaccination programme in England. Some early provisional data were reported by the Chief Medical Officer for England (CMO) during the vaccination programme.

2.0 Key findings[†]

All 389 Trusts returned data on cumulative H1N1 and seasonal influenza vaccines administered from late October 2009 up to 4 April 2010. The main results were as follows:

National vaccine uptake

- **40.3%** of HCWs received the H1N1 vaccine; uptake was highest amongst GPs (50.1%) and lowest amongst GP support staff (34.7%)
- **26.4%** of HCWs received the seasonal influenza vaccine, a significant increase compared to the previous season (16.5%); uptake was highest amongst staff supporting clinical staff (32.8%) and lowest amongst GPs (14.9%)

Regional vaccine uptake

- H1N1 vaccine uptake by SHA ranged from **36.2%** to **44.1%**, with 7/10 SHAs reporting vaccine uptakes of 40.0% or greater
- Seasonal influenza vaccine uptake by SHA ranged from **19.6%** to **35.1%** (a marked increase compared to the previous season where vaccine uptake ranged from 10.6% to 22.5%) with 6/10 SHAs reporting uptakes of 25.0% or greater

Local vaccine uptake

- H1N1 vaccine uptake by Trust ranged from **6.7%** to **92.0%**, with a fifth of Trusts achieving vaccine uptake rates of 50.0% or more
- The highest seasonal influenza vaccine uptake was **69.7%**, with just over a third of Trusts (141) achieving vaccine uptake rates of 30.0% or more
- Three Trusts did not report seasonal influenza vaccine uptake data in the current survey or at any other point during the programme. By comparison in 2008/09, 81 Acute Trusts did not return data. Of the 90 Acute Trusts that did submit data in 2008/9, only 12.2% (11) achieved vaccine uptake rates of 30.0% or more; however the highest vaccine uptake was 81.4%

[†] H1N1 vaccine uptake figures are based on the total number of first doses of Pandemrix[®] administered. Pandemrix[®] figures are primarily provided in this report, as the majority of HCWs received this vaccine (less than 0.1% of individuals received Celvapan[®]).

3.0 Introduction

Studies have shown that immunisation of healthcare staff against influenza reduces the transmission of infection to vulnerable patients¹ who are at higher risk of severe outcome and in some instances may have a suboptimal response to their own immunisations². Immunising HCWs also protects themselves and their families from infection. Staff vaccination results in lower rates of influenza-like illness, hospitalisation, and mortality in the elderly in healthcare settings^{3, 4, 5, 6}. It may also lower staff absenteeism through illness from influenza, ensuring the continuity of health care services, which is crucial particularly during influenza epidemics.

The CMO announced the national influenza vaccination programme for 2009/10 on 6 April 2009. A further letter (dated 15 October 2009) provided the NHS with specific information on the H1N1 vaccination programme including details of the combined H1N1 and seasonal influenza vaccine uptake collection. These letters can be accessed from the links below:

National influenza vaccination programme for 2009/10:

http://www.dh.gov.uk/en/Publicationsandstatistics/Lettersandcirculars/Professionalletters/Chiefmedicalofficerletters/DH_097550

H1N1 influenza vaccination programme:

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/@dh/@en/document/digitalasset/dh_107190.pdf

The combined H1N1 and seasonal influenza vaccine uptake collection included all Trusts (not exclusively Acute Trusts, as per previous seasons). Cumulative data were collected from 8 November 2009 to 4 April 2010 (inclusive) in 22 weekly surveys for vaccinations administered between late October 2009 to 4 April 2010.

Data were collected using the DH ImmForm website. As the H1N1 vaccination programme is continuing until the start of the 2010/11 influenza season, final uptake

¹Barlow G, Nathwani D. Nosocomial Influenza Infection. *Lancet*. 2000;355:1187

²Salisbury D, Ramsay M, Noakes K. (2006) Influenza, Immunisation against infectious disease, *Green Book (Third edition)*: The Stationery Office.

³Potter, J, Stott, D.J, Roberts, M.A, Elder, A.G, O'Donnell, B, Knight, P.V. and Carman W.F. The influenza vaccination of healthcare workers in long-term-care hospitals reduces the mortality of elderly patients. *Journal of Infectious Diseases* 1997;175:1-6

⁴Carman, W.F., Elder, A.G., Wallace, L.A., McAulay, K., Walker, A., Murray, G.D., Stott, D.J. Effects of influenza vaccination of healthcare workers on mortality of elderly people in long term care: a randomised control trial. *The Lancet* 2000; 355:93-7

⁵Hayward, A.C., Harling, R., Wetten, S., Johnson, A.M., Munro, S., Smedley, J., Murad, S. and Watson, J.M. Effectiveness of an influenza vaccine programme for care home staff to prevent death, morbidity, and health service use among residents: cluster randomised controlled trial. *British Medical Journal* 2006; doi:10.1136/bmj.39010.581354.55 (published 1 December 2006)

⁶Lemaitre, M., Meret, T., Rothan-Tondeur, M., Belmin, J., Lejonc, J., Luquel, L., Piette, F., Salom, M., Verny, M., Vetel, J., Veyssier, P. and Carrat, F. Effect of influenza vaccination of nursing home staff on mortality of residents: a cluster randomised trial. *Journal of American Geriatric Society* 2009; 57:1580-6

data for all vaccinations administered over the period October 2009 to 31 August 2010 will be collected in September 2010 and published when available.

Two brands of H1N1 vaccine were used in the UK - Pandemrix[®] and Celvapan[®]. Pandemrix[®] (one dose required, except in immunocompromised patients who required two doses) was recommended for all adults, apart from those with a history of severe anaphylactic reaction to egg containing products, for which Celvapan[®] (two doses required) was recommended. Pandemrix[®] was used widely and few HCWs received Celvapan[®]. Therefore, the data on the uptake of H1N1 vaccine in this report primarily reflects uptake of Pandemrix[®] (and of one dose of this vaccine).

4.0 Aims and objectives

The aims and objectives of the HCWs H1N1 and seasonal influenza vaccine uptake 2009/10 programme in England were to:

- monitor vaccine uptake to inform the management and progress of the vaccination programme
- allow DH, SHAs, and Trusts to review local, regional, and national performance, and identify staff groups and local/regional areas where coverage is high and more importantly low
- gather epidemiological data to support evaluation of the impact and effectiveness of H1N1 and seasonal influenza vaccination among frontline HCWs

5.0 Staff groups

Vaccine uptake data were collected on all frontline HCWs with direct patient care. This included the following staff groups: doctors, qualified nurses, other professionally qualified clinical staff, and support to clinical staff. These were the same groups that were monitored in the previous season. Staff group definitions are identical to NHS Workforce Census definitions and are described in detail in Appendix A (page 15).

6.0 Methods

H1N1 vaccine and seasonal influenza vaccine uptake data were collected from 8 November 2009 to 4 April 2010 (inclusive) in 22 weekly surveys via the DH ImmForm website^{†††} (see section 6.2 ImmForm website).

Each survey on the ImmForm website was open for data submission in the first three working days of each survey week, i.e. Monday to Wednesday inclusive (with adjustments/extensions made to allow for public holidays in some weeks). The 2009/10 weekly collection schedule with original survey deadlines is in Appendix B (page 17).

Trusts had two working days to manually submit data onto the ImmForm website. SHAs were allocated an additional working day to submit further data on behalf of Trusts, amend data if necessary, and validate data. SHAs also had the responsibility to follow up with non-responding Trusts to obtain and submit outstanding data.

The data in this report are as submitted by Trusts and SHAs.

6.1 Survey form

Data were collected within a combined H1N1 and seasonal influenza vaccine uptake survey form (Appendix C, page 18). The form comprised two main sections. In the first section Trusts were required to provide information on the Trust type, Trust status, and survey coverage. In the second section, specific H1N1 vaccine and seasonal influenza vaccine uptake data on HCW denominators and numerators were required for each staff group. For H1N1 vaccine, brand (i.e. Pandemrix[®] or Celvapan[®]) and dose (i.e. number of first, and if relevant, second doses given) were also required. The form automatically calculated percentage vaccine uptake rates, and performed data validation checks to ensure only logically correct data could be submitted.

6.2 ImmForm website

One of the functions of the ImmForm website is to provide a secure platform for vaccine uptake data collection for several immunisation surveys, including the HCWs H1N1 vaccine and seasonal influenza vaccine uptake collection. The website is hosted and managed by the DH and allows SHAs and Trusts to:

- view vaccine uptake rates by staff group (and by vaccine brand and dose for H1N1) allowing data providers to review and assess progress for their own Trust/SHA

^{†††} Due to ImmForm website technical challenges in December 2009, for two weeks during this month submissions were made manually via an Excel spreadsheet (instead of via the website).

- compare vaccine uptake figures anonymously with other SHAs and Trusts (with data being able to be viewed at national, regional, and local levels) allowing data providers to compare their own performance with other organisations
- allow SHAs to view a 'Non-Responder' report, which highlights Trusts that have failed to submit data, thus allowing them to follow-up with these Trusts to obtain and submit outstanding data

The ImmForm website can be accessed at www.immform.dh.gov.uk (internet) or nww.immform.dh.nhs.uk (N3)

7.0 Results*

All 389 Trusts[†] submitted data on all vaccinations administered up 4 April 2010. A summary of the main results at national, regional, and local level are outlined below.

7.1 National vaccine uptake rates

40.3% of frontline HCWs received first doses of H1N1 vaccine Pandemrix[®] (with Acute Trusts achieving 43.4%). 0.1% of individuals also received second doses. Few frontline HCWs received first and second doses of Celvapan[®] (0.04% and 0.03%). **26.4%** of staff received the seasonal influenza vaccine, with Acute Trusts achieving 31.2% uptake, a marked improvement compared to 2008/9 (16.5%), 2007/8 (13.4%) and previous seasons[‡]. Appendix D (Table 1, page 20) shows national H1N1 vaccine and seasonal influenza vaccine uptake figures for 2009/10 season by vaccine brand and dose.

Appendix E (Graph 1, page 36) shows H1N1 vaccine and seasonal influenza vaccine uptake by week for 2009/10. Vaccine uptake rates rose rapidly for both H1N1 and seasonal influenza up to the end of December 2009 (week 52); a fluctuation can be seen between weeks 52 and 53, presumably due to the decline in Trust response rate in week 52 (31.4%). This low response rate is likely to have been due to staff annual leave being taken during the winter holiday period. After December 2009 uptake rates were relatively constant with only slight fluctuations caused by differences in Trust response rates each week and amendments made to denominators by some Trusts.

7.2 National vaccine uptake rates by staff group

The highest H1N1 vaccine uptake rate was amongst GPs (**50.1%**) and the lowest vaccine uptake was amongst GP support staff (**34.7%**). By comparison, the highest seasonal influenza vaccine uptake was amongst clinical support staff (**32.8%**) and the lowest seasonal influenza vaccine uptake was amongst GPs (**14.9%**). Thus, whilst GPs achieved the highest H1N1 vaccine uptake, this group also received the fewest seasonal influenza immunisations. Appendix D (Table 2, page 20) and Appendix E (Graph 2, page 37) provides national H1N1 vaccine and seasonal influenza vaccine uptake figures for 2009/10 by staff group.

By contrast, in 2008/9 the highest and lowest vaccine uptake rates of seasonal influenza vaccine were amongst all other professionally qualified clinical staff (21.9%) and qualified nurses (13.5%) respectively.

* H1N1 vaccine uptake figures are based on the total number of first doses of Pandemrix[®] administered. Pandemrix[®] figures are primarily provided in this report, as the majority of HCWs received this vaccine (less than 0.1% of individuals received Celvapan[®]).

[†] West Hertfordshire PCT reported H1N1 vaccine and seasonal influenza vaccine uptake data jointly for themselves and East & North Hertfordshire PCT.

[‡] The Influenza Vaccine Uptake for Healthcare Workers (HCWs) In England, Winter Season 2008/09 report (which also includes key figures for previous seasons) is accessible from:

http://www.immunisation.nhs.uk/publications/FluVaccineUptake_HCW_Winter0809.pdf

Please note slightly lower uptake rates amongst GP practice nurses and clinical support staff are reported in the DH report 'Learning the Lessons from the H1N1 Vaccination Campaign for Health Care Workers'[§] (published in June 2010), as data in that report for these two staff groups are based on vaccinations administered up to 14 February 2010, not 31 March 2010. Some early provisional data were also reported by the CMO during the vaccination programme.

7.3 Vaccine uptake rates by SHA

H1N1 vaccine uptake by SHA ranged from **36.2%** to **44.1%**. 7/10 SHAs achieved vaccine uptake rates of 40.0% and higher. Seasonal influenza vaccine uptake by SHA ranged from 19.6% to 35.1%. 6/10 SHAs achieved vaccine uptake rates of 25.0% and higher. By comparison, in 2008/09 seasonal influenza vaccine uptake by SHA ranged from 10.6% to 22.5%. Appendix E (Graph 3, page 38) and Appendix D (Table 3, page 21) shows H1N1 vaccine and seasonal influenza vaccine uptake for 2009/10 by SHA.

7.4 Vaccine uptake rates by Trust

H1N1 vaccine uptake by Trust ranged from **6.7%** to **92.0%**. The majority of Trusts (272/389) achieved H1N1 vaccine uptakes rates between 25-49%. A fifth of Trusts achieved vaccine uptake rates of 50.0% and more. The highest seasonal influenza vaccine uptake was **69.7%**. Only three Trusts did not report seasonal influenza vaccine uptake data. Over a third of Trusts achieved vaccine uptake rates of 30.0% or higher. However, just over half of Trusts (198/389) achieved seasonal influenza vaccine uptakes rates below 25%; this level of uptake was most frequently observed except by Acute and Ambulance Trusts (the majority of which achieved uptake rates between 25-49%). By comparison in 2008/09, 81 Acute Trusts did not return data. Of the 90 Acute Trusts that did submit data, only 12.2% (11) achieved vaccine uptake rates of 30.0% or more; however the highest vaccine uptake was 81.4%, thus exceeding this season's highest uptake figure. Appendix D (Table 3, page 21) shows H1N1 vaccine and seasonal influenza vaccine uptake for 2009/10 by Trust. Appendix E (Graphs 4 and 5, pages 39 and 40) shows the spread of H1N1 vaccine and seasonal influenza vaccine uptake by Trust type.

[§] Learning the Lessons from the H1N1 Vaccination Campaign for Health Care Workers is accessible from: http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/@dh/@en/@ps/documents/digitalasset/dh_117133.pdf

8.0 Discussion

In 2009/10 national H1N1 vaccine uptake was higher than that for seasonal influenza vaccine. However, seasonal 2009/10 influenza vaccine uptake rates were higher than those observed in previous seasons. The highest H1N1 vaccine uptakes were recorded amongst GPs and for seasonal influenza, clinical support staff. In addition, local vaccine uptake rates ranged considerably for both H1N1 and seasonal influenza vaccines.

National seasonal influenza vaccine uptake was **26.4%**, with Acute Trusts achieving 29.5%, a considerable improvement compared to 2008/9 and 2007/8 when vaccine uptake amongst Acute Trusts was only 16.5% and 13.4%, respectively. National H1N1 vaccine uptake was higher at **40.3%** with Acute Trusts achieving 41.0%. As expected uptake of Celvapan[®] was low, since this vaccine was primarily indicated for individuals with a history of severe anaphylactic reaction to egg containing products, for which Pandemrix[®] was not recommended. Higher national H1N1 vaccine uptake rates, compared to those for seasonal influenza equates to almost 140,000 HCWs who received the H1N1 vaccine only.

Uptake of H1N1 vaccine was highest amongst GPs, although uptake of seasonal influenza vaccine was lowest in this group. However, despite this, 31.4% of all doctors (inclusive of GPs) working in Acute Trusts received the seasonal influenza vaccine this season, whereas last year vaccine uptake amongst all doctors (inclusive of GPs) working in Acute Trusts was only 14.8%. This suggests an improvement in uptake amongst this group in the 2009/10 season (although the groups of doctors differ between the 2008/9 and 2009/10 surveys). These results highlight some improvements in national seasonal influenza vaccine uptake among staff groups compared to the 2008/9 season.

Higher H1N1 vaccine uptake rates compared to those for seasonal influenza was also observed at Trust level, although local vaccine uptake rates ranged considerably for both H1N1 and seasonal influenza. However, most Trust types achieved H1N1 vaccine uptake rates between 25-49%. By comparison, the majority of Trusts achieved seasonal influenza vaccine uptake rates below 25%, except Acute and Ambulance Trusts, which most commonly reported rates between 25-49%.

The recent DH publication 'Learning the Lessons from the H1N1 Vaccination Campaign for Health Care Workers' has highlighted what strategies may provide successful delivery of the influenza vaccination programme; these include flexible and accessible delivery approaches, visible leadership, effective communications strategy, and a robust delivery system*

* Learning the Lessons from the H1N1 Vaccination Campaign for Health Care Workers is accessible from: http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/@dh/@en/@ps/documents/digitalasset/dh_117133.pdf

9.0 Conclusion

The immunisation of staff is important in minimising the risk of infection to HCWs, their vulnerable patients (including clinical risk groups and those with impaired immunity) as well as to their families. In 2009/10 H1N1 vaccination rates among HCWs were higher than those for seasonal influenza at national, regional, and local levels. However, the data indicate that the majority of HCWs involved directly with patient care were not vaccinated in the 2009/10 programme with H1N1 and/or seasonal influenza vaccines. Increasing seasonal influenza vaccine uptake amongst HCWs is important to minimise the risk of infection to HCWs (who may be at increased risk of exposure to influenza compared with the general population), their patients, and their families.

The Code of Practice for the prevention and control of health care associated infections (HCAI) emphasises the need for NHS organisations to ensure that HCWs are free of and protected from communicable infections (so far as is reasonably practicable), and that all staff are appropriately educated in the prevention and control of infections. Policy and procedures on the prevention and management of communicable infections (including staff immunisation programmes) must be in place. Further information on the Code of Practice can be found on the DH website from the following link:

http://webarchive.nationalarchives.gov.uk/+www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_093762

The importance of influenza immunisation of HCWs with direct patient care was also emphasised in the DH letter outlining the 2010/11 seasonal influenza immunisation programme. This letter can be accessed from the following link:

http://www.dh.gov.uk/en/Publicationsandstatistics/Lettersandcirculars/Dearcolleagueletters/DH_116551

10.0 References

Clinical information on H1N1 and seasonal influenza vaccination is provided within the DH Green Book accessible from:

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_116622.pdf

Clinical guidance and information on the H1N1 and seasonal influenza vaccination programme (including CMO letters) are available on the DH website accessible from:

<http://webarchive.nationalarchives.gov.uk/+www.dh.gov.uk/en/Publichealth/Flu/Swineflu/InformationandGuidance/Vaccinationprogramme/index.htm>

11.0 Acknowledgements

- Staff who participated in and supported the HCWs H1N1 vaccine and seasonal influenza vaccine uptake collection, principally Trust and SHA data providers in England
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- Colleagues who contributed to the preparatory work on the HCWs vaccine uptake programme, particularly Dr Ginny Belson, Immunisation Policy Advisor, Immunisation Branch (DH), and Fateha Begum, Influenza Vaccine Tracking Officer, Respiratory Diseases Department (HPA)

Appendix A: Staff group definitions

The table below provides definitions on each staff group. Please note, GPs and GP practice nurses are separated further within the dataset on the ImmForm website.

Data item	Definitions of staff groups
	Professionally qualified clinical staff - comprising all professional staff with direct patient care.
All doctors	All doctors – consists of all doctors and dentists working in hospital and the community and GPs (excluding retainers). The figures include all grades of hospital, community and public health doctor or dentist (consultant, registrars, senior house officers, foundation years 1 & 2 staff, staff grades, associate specialists, clinical assistants and hospital practitioners).
Qualified nurses	Qualified nurses including practice nurses – consists of qualified nursing, midwifery and health visiting staff, working in the hospital and community services and general practice. These nurses have at least first level registration. Includes nurse consultants, nurse managers and bank nurses.
All other professionally qualified clinical staff This comprises: qualified scientific, therapeutic & technical staff (ST&T), qualified allied health professionals (AHPs) other qualified ST&T qualified ambulance staff	<p>Qualified scientific, therapeutic & technical staff (ST&T) – qualified health professionals (includes consultant therapists, ST&T managers and healthcare scientists).</p> <p>These staff work alongside doctors, nurses and other health professionals and are categorised into the following two groups:</p> <p>qualified AHPs – qualified allied health professionals (AHPs) are the following staff: chiropodists/podiatrists dieticians occupational therapists orthoptists physiotherapists radiographers art/music/drama therapists speech and language therapists</p> <p>In primary care, AHPs work in teams with GPs, nurses and other professionals, such as social workers, to provide quick and effective care for patients without the need for them to go into hospital.</p> <p>Other qualified ST&T – other qualified health professionals including healthcare scientists and pharmacists. These are other staff working in key professional roles.</p> <p>Qualified ambulance staff – ambulance paramedics, technicians, emergency care practitioners and ambulance service managers, but does not include ambulance trainees. From 2006, ambulance staff are collected under more detailed occupation codes which can't be applied to previous years. Therefore there will be comparability issues.</p>

Data item**Definitions of staff groups**

Support to clinical staff - staff working in direct support of clinical staff, often with direct patient care, who free up clinical staff and allow them more time to treat patients

<p>Support to clinical staff</p> <p>This comprises: support to doctors and nurses support to ST&T staff support to ambulance staff</p>	<p>Support to doctors and nurses – nursing assistants/auxiliaries, nursery nurses, healthcare assistants and support staff in nursing areas. Also includes clerical and administrative staff and maintenance and works staff working specifically in clinical areas, for example medical secretaries and medical records officers. They also include all support workers and healthcare assistants in central functions, as these are mainly general porters involved in moving patients around the hospital.</p> <p>Support to ST&T staff – ST&T trainees and helper/assistants. Also includes healthcare assistants, support workers, clerical and administrative staff and maintenance and works staff specifically identified as supporting ST&T staff.</p> <p>Support to ambulance staff – ambulance personnel, trainee ambulance technicians as well as healthcare assistants, support workers, clerical & administrative staff and maintenance and works staff specifically identified as supporting the ambulance service.</p>
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NHS infrastructure support - staff directly involved in the day-to-day running of the organisation and its infrastructure

<p>N/A – not relevant to this data collection as these groups not involved in direct patient care</p>	<p>Central functions – includes clerical and administrative staff working in central functions. The group includes areas such as personnel, finance, IT, legal services, library services, health education and general management support services.</p> <p>Hotel, property and estates – includes clerical and administrative staff and maintenance and works staff working in areas such as laundry, catering, domestic services and gardens. This group includes caretakers and labourers.</p> <p>Managers and senior managers – staff with overall responsibility for budgets, manpower or assets, or accountable for a significant area of work. Senior managers include staff at executive level and those who report directly to the board. These staff are essential to the smooth running of hospitals, Trusts And Strategic Health Authorities. This excludes nursing, ST&T and ambulance managers in posts requiring specific clinical qualifications.</p>
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Support to GP staff - staff working in direct support of GPs

<p>Support to GP staff</p>	<p>GP practice staff – includes a variety of staff who work in practices. These include physiotherapists, occupational therapists, receptionists and practice managers. However, practice nurses are included as qualified nurses within professionally qualified clinical staff instead.</p>
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Appendix B: Weekly data collection schedule for 2009/10

The table below provides weekly data collection dates for Trusts and SHAs for the 2009/10 programme.

Week number	All Trusts to provide data covering cumulative vaccinations given up to midnight Sunday on the following dates	All Trusts to submit data between the following dates	SHA/HPA to validate data
45	8/11/09		
46	15/11/2009	16/11/2009 - 17/11/2009	18/11/2009
47	22/11/2009	23/11/2009 - 24/11/2009	25/11/2009
48	29/11/2009	30/11/2009 - 01/12/2009	02/12/2009
49	06/12/2009	07/12/2009 - 08/12/2009	09/12/2009
50	13/12/2009	14/12/2009 - 15/12/2009	16/12/2009
51	20/12/2009	21/12/2009 - 22/12/2009	23/12/2009
52	27/12/2009	28/12/2009 - 29/12/2009	30/12/2009
53	03/01/2010	04/01/2010 - 05/01/2010	06/01/2010
1	10/01/2010	11/01/2010 - 12/01/2010	13/01/2010
2	17/01/2010	18/01/2010 - 19/01/2010	20/01/2010
3	24/01/2010	25/01/2010 - 26/01/2010	27/01/2010
4	31/01/2010	01/02/2010 - 02/02/2010	03/02/2010
5	07/02/2010	08/02/2010 - 09/02/2010	10/02/2010
6	14/02/2010	15/02/2010 - 16/02/2010	17/02/2010
7	21/02/2010	22/02/2010 - 23/02/2010	24/02/2010
8	28/02/2010	01/03/2010 - 02/03/2010	03/03/2010
9	07/03/2010	08/03/2010 - 09/03/2010	10/03/2010
10	14/03/2010	15/03/2010 - 16/03/2010	17/03/2010
11	21/03/2010	22/03/2010 - 23/03/2010	24/03/2010
12	28/03/2010	29/03/2010 - 30/03/2010	31/03/2010
13	04/04/2010	05/04/2010 - 06/04/2010	07/04/2010

Appendix C: H1N1 vaccine and seasonal influenza vaccine uptake survey form for 2009/10

Section 1

Trust Type – What Trust Type are you (select one of the following)	
Acute NHS Trust	
Mental Health NHS Trust	
Ambulance NHS Trust	
Other NHS Trust	
Primary Care Trust (PCT)	
Care Trust (NHS Trust based)	
Care Trust (PCT Based)	

Foundation Trust Status – Are you a	
Foundation Trust?	
Non-Foundation Trust?	

Survey Coverage (For Trusts with Hospitals Only)	
How many hospitals are there in this trust?	
Of the hospitals in the trust, how many provided data?	

Survey Coverage	
Number of HCWs involved with Direct Patient Care	
Number of HCWs NOT involved with Direct Patient Care	
Total number of HCWs	Sum of above

Section 2

	(A) Number of HCWes Involved in direct patient care on day of data extraction	H1N1 Swine Flu Vaccine Uptake								Seasonal Flu Vaccine Uptake	
		(B) Number in (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 1)	(C) % In (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 1) Calculated	(D) Number in (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 2)	(E) % In (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 2) Calculated	(F) Number in (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 1)	(G) % In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 1)	(H) Number In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 2)	(I) % In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 2)	(J) Number in (A) vaccinated between 1st Sept & end of survey week (Seasonal Flu)	(K) % in (A) vaccinated between 1st Sept & end of survey week (Seasonal Flu)
Occupation											
All Doctors (excluding GPs)			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100
GPs only											
Qualified Nurses, midwives and health visitors (excluding GP Practice Nurses)			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100
Qualified Nurses, midwives and health visitors (GP Practice Nurses only)			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100
All other professionally qualified clinical staff, which comprises of:- <ul style="list-style-type: none"> Qualified scientific, therapeutic & technical staff (ST&T), Qualified allied health professionals (AHPs) Other qualified ST&T Qualified ambulance 			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100

	(A) Number of HCWes Involved in direct patient care on day of data extraction	H1N1 Swine Flu Vaccine Uptake								Seasonal Flu Vaccine Uptake	
		(B) Number in (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 1)	(C) % In (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 1) Calculated	(D) Number in (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 2)	(E) % In (A) vaccinated between 1st Sept & end of survey week (CELVAPAN, dose 2) Calculated	(F) Number in (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 1)	(G) % In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 1)	(H) Number In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 2)	(I) % In (A) vaccinated between 1st Sept & end of survey week (PANDEMRIX, dose 2)	(J) Number in (A) vaccinated between 1st Sept & end of survey week (Seasonal Flu)	(K) % in (A) vaccinated between 1st Sept & end of survey week (Seasonal Flu)
staff											
Support to Clinical Staff, which comprises of:- <ul style="list-style-type: none"> Support to doctors & nurses Support to ST&T staff Support to ambulance staff 			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100
Support to GP staff			Col B / Col A *100		Col D / Col A *100		Col F / Col A *100		Col H / Col A *100		Col J / Col A *100
Total (calculated by system)	Sum of above*	Sum of above	Col B / Col A *100	Sum of above	Col D / Col A *100	Sum of above	Col F / Col A *100	Sum of above	Col H / Col A *100	Sum of above	Col J / Col A *100

* Validation check that this equals the number of HCWs involved with Direct Patient Care given in 4 above.

Appendix D: H1N1 vaccine and seasonal influenza national vaccine uptake 2009/10 data tables

Table 1: National H1N1 vaccine and seasonal influenza vaccine uptake figures for 2009/10

No. of HCWs with direct patient care	H1N1 vaccine doses (Celvapan [®])					H1N1 vaccine doses (Pandemrix [®])					Seasonal influenza doses	
	Dose 1		Dose 2		Total no. of doses given	Dose 1		Dose 2		Total no. of doses given	Dose 1	
	No.	%	No.	%		No.	%	No.	%		No.	%
1004644	452	0.04	294	0.03	746	405093	40.3	701	0.1	405794	265655	26.4

Table 2: National H1N1 vaccine and seasonal influenza vaccine uptake 2009/10 by staff group

Staff group	No. of HCWs with direct patient care	H1N1 vaccine (Pandemrix [®] , dose 1)		Seasonal influenza doses	
		No.	%	No.	%
GPs only	28404	14237	50.1	4233	14.9
All doctors (excluding GPs)	108118	49527	45.8	30510	28.2
All doctors (including GPs)	136522	63764	46.7	34743	25.4
GP practice nurses	18177	8996	49.5	2938	16.2
Qualified nurses (excluding GP nurses)	367317	130080	35.4	81782	22.3
Qualified nurses (including GP nurses)	385494	139076	36.1	84720	22.0
All other professionally qualified clinical staff	176750	76795	43.4	52349	29.6
Support to clinical staff	268255	112407	41.9	87897	32.8
Support to GP staff	37623	13051	34.7	5946	15.8
TOTAL	1004644	405093	40.3	265655	26.4

Table 3: H1N1 vaccine and seasonal influenza national vaccine uptake 2009/10 data by SHA and Trust

The table below shows national vaccine uptake of H1N1 vaccine (Pandemrix[®], dose 1) and doses of seasonal influenza vaccine administered to HCWs by SHA and Trust up to 4 April 2010. For H1N1 vaccine, Pandemrix[®] figures have been reported, as the majority of HCWs received this vaccine (less than 0.1% of individuals received Celvapan[®]).

Please note, West Hertfordshire PCT reported H1N1 vaccine and seasonal influenza vaccine uptake data jointly for themselves and East & North Hertfordshire PCT.

Org code	Organisation name	No. of HCWs with direct patient care	H1N1 vaccine doses (Pandemrix [®] , dose 1)		Seasonal flu doses	
			No.	%	No.	%
	ENGLAND	1004644	405093	40.3	265655	26.4
	National vaccine % uptake range			36.2-44.1		19.6-35.1
Q30	North East SHA	53476	22152	41.4	16099	30.1
	SHA vaccine % uptake range			21.1- 92		14.2-68.8
RLN	CITY HOSPITALS SUNDERLAND NHS FOUNDATION TRUST	4140	2023	48.9	2113	51.0
RXP	COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	3850	1712	44.5	834	21.7
5ND	COUNTY DURHAM PCT	125	115	92.0	86	68.8
5J9	DARLINGTON PCT	2250	561	24.9	438	19.5
RR7	GATESHEAD HEALTH NHS FOUNDATION TRUST	2387	1238	51.9	424	17.8
5KF	GATESHEAD PCT	729	425	58.3	304	41.7
5D9	HARTLEPOOL PCT	369	179	48.5	64	17.3
5KM	MIDDLESBROUGH PCT	874	465	53.2	263	30.1
5D7	NEWCASTLE PCT	1157	538	46.5	301	26.0
RX6	NORTH EAST AMBULANCE SERVICE NHS TRUST	1500	388	25.9	276	18.4
RVW	NORTH TEES AND HARTLEPOOL NHS FOUNDATION TRUST	3786	2232	59.0	1790	47.3
5D8	NORTH TYNESIDE PCT	770	290	37.7	115	14.9
TAC	NORTHUMBERLAND CARE TRUST (PCT BASED)	1177	418	35.5	167	14.2
RX4	NORTHUMBERLAND, TYNE AND WEAR NHS TRUST	4617	1520	32.9	883	19.1
RTF	NORTHUMBRIA HEALTHCARE NHS FOUNDATION TRUST	3898	1261	32.3	788	20.2
5QR	REDCAR & CLEVELAND PCT	954	451	47.3	295	30.9

RTR	SOUTH TEES HOSPITALS NHS FOUNDATION TRUST	6138	3064	49.9	2920	47.6
RE9	SOUTH TYNESIDE NHS FOUNDATION TRUST	1314	403	30.7	418	31.8
5KG	SOUTH TYNESIDE PCT	521	220	42.2	148	28.4
5E1	STOCKTON-ON-TEES TPCT	839	416	49.6	250	29.8
5KL	SUNDERLAND TEACHING PCT	909	378	41.6	279	30.7
RX3	TEES, ESK AND WEAR VALLEYS NHS FOUNDATION TRUST	4027	848	21.1	794	19.7
RTD	THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST	7145	3007	42.1	2149	30.1
Q31	North West SHA	154481	63453	41.1	54208	35.1
	SHA vaccine % uptake range			14.7- 70.1		4.4- 69.2
RTV	5 BOROUGHES PARTNERSHIP NHS TRUST	1519	382	25.1	535	35.2
REM	AINTREE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	3091	1672	54.1	1745	56.5
RBS	ALDER HEY CHILDREN'S NHS FOUNDATION TRUST	2240	809	36.1	594	26.5
5HG	ASHTON, LEIGH AND WIGAN PCT	2894	1117	38.6	560	19.4
5CC	BLACKBURN WITH DARWEN PCT	738	264	35.8	231	31.3
5HP	BLACKPOOL PCT	769	539	70.1	339	44.1
RXL	BLACKPOOL, FYLDE AND WYRE HOSPITALS NHS FOUNDATION TRUST	3145	1296	41.2	998	31.7
5HQ	BOLTON PCT	1833	631	34.4	374	20.4
5JX	BURY PCT	1087	540	49.7	303	27.9
RJX	CALDERSTONES PARTNERSHIP NHS FOUNDATION TRUST	1304	260	19.9	316	24.2
5NP	CENTRAL & EASTERN CHESHIRE PCT	2284	951	41.6	651	28.5
5NG	CENTRAL LANCASHIRE PCT	2890	1105	38.2	378	13.1
RW3	CENTRAL MANCHESTER UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	4492	2401	53.5	1148	25.6
RXA	CHESHIRE AND WIRRAL PARTNERSHIP NHS FOUNDATION TRUST	2592	545	21.0	925	35.7
REN	CLATTERBRIDGE CENTRE FOR ONCOLOGY NHS FOUNDATION TRUST	656	354	54.0	371	56.6
RJR	COUNTESS OF CHESTER HOSPITAL NHS FOUNDATION TRUST	3087	1462	47.4	1522	49.3
RNN	CUMBRIA PARTNERSHIP NHS FOUNDATION TRUST	1026	362	35.3	430	41.9
5NE	CUMBRIA PCT	4032	1680	41.7	1220	30.3
RJN	EAST CHESHIRE NHS TRUST	2123	1426	67.2	1227	57.8
RXR	EAST LANCASHIRE HOSPITALS NHS TRUST	4351	832	19.1	893	20.5

5NH	EAST LANCASHIRE PCT	2006	700	34.9	228	11.4
RXV	GREATER MANCHESTER WEST MENTAL HEALTH NHS FOUNDATION TRUST	2486	629	25.3	661	26.6
5NM	HALTON & ST. HELENS PCT	932	526	56.4	327	35.1
5NQ	HEYWOOD, MIDDLETON & ROCHDALE PCT	1062	570	53.7	618	58.2
5J4	KNOWSLEY PCT	1568	542	34.6	544	34.7
RW5	LANCASHIRE CARE NHS FOUNDATION TRUST	2463	518	21.0	365	14.8
RXN	LANCASHIRE TEACHING HOSPITALS NHS FOUNDATION TRUST	4951	1944	39.3	1594	32.2
RBQ	LIVERPOOL HEART AND CHEST HOSPITAL NHS TRUST	1027	324	31.5	439	42.7
5NL	LIVERPOOL PCT	3257	969	29.8	628	19.3
REP	LIVERPOOL WOMEN'S NHS FOUNDATION TRUST	1137	609	53.6	692	60.9
TAE	MANCHESTER MENTAL HEALTH AND SOCIAL CARE TRUST	1098	575	52.4	194	17.7
5NT	MANCHESTER PCT	3566	1543	43.3	1245	34.9
RW4	MERSEY CARE NHS TRUST	3023	1103	36.5	1227	40.6
RBT	MID CHESHIRE HOSPITALS NHS FOUNDATION TRUST	2666	1190	44.6	1197	44.9
RNL	NORTH CUMBRIA UNIVERSITY HOSPITALS NHS TRUST	4236	1024	24.2	717	16.9
5NF	NORTH LANCASHIRE PCT	2056	932	45.3	90	4.4
RX7	NORTH WEST AMBULANCE SERVICE NHS TRUST	3917	575	14.7	615	15.7
5J5	OLDHAM PCT	1455	727	50.0	617	42.4
RW6	PENNINE ACUTE HOSPITALS NHS TRUST	8232	3964	48.2	3284	39.9
RT2	PENNINE CARE NHS FOUNDATION TRUST	1800	399	22.2	232	12.9
RMC	ROYAL BOLTON HOSPITAL NHS FOUNDATION TRUST	3500	1286	36.7	1533	43.8
RQ6	ROYAL LIVERPOOL AND BROADGREEN UNIVERSITY HOSPITALS NHS TRUST	6116	3747	61.3	3476	56.8
5F5	SALFORD PCT	1812	1267	69.9	464	25.6
RM3	SALFORD ROYAL NHS FOUNDATION TRUST	4734	2445	51.6	2154	45.5
5NJ	SEFTON PCT	1743	749	43.0	1207	69.2
RVY	SOUTHPORT AND ORMSKIRK HOSPITAL NHS TRUST	2352	938	39.9	975	41.5
RBN	ST HELENS AND KNOWSLEY HOSPITALS NHS TRUST	2791	1273	45.6	1810	64.9
RWJ	STOCKPORT NHS FOUNDATION TRUST	2954	1704	57.7	1962	66.4
5F7	STOCKPORT PCT	1508	533	35.3	503	33.4
5LH	TAMESIDE AND GLOSSOP PCT	865	313	36.2	84	9.7
RMP	TAMESIDE HOSPITAL NHS FOUNDATION TRUST	1656	657	39.7	872	52.7

RBV	THE CHRISTIE NHS FOUNDATION TRUST	1630	1065	65.3	913	56.0
RET	THE WALTON CENTRE NHS FOUNDATION TRUST	609	238	39.1	254	41.7
RM4	TRAFFORD HEALTHCARE NHS TRUST	1200	485	40.4	486	40.5
5NR	TRAFFORD PCT	1534	690	45.0	223	14.5
RM2	UNIVERSITY HOSPITAL OF SOUTH MANCHESTER NHS FOUNDATION TRUST	3117	1481	47.5	1455	46.7
RTX	UNIVERSITY HOSPITALS OF MORECAMBE BAY NHS TRUST	3282	1107	33.7	666	20.3
RWW	WARRINGTON AND HALTON HOSPITALS NHS FOUNDATION TRUST	2679	902	33.7	716	26.7
5J2	WARRINGTON PCT	1005	408	40.6	365	36.3
5NN	WEST CHESHIRE PCT	1176	688	58.5	577	49.1
5NK	WIRRAL PCT	1811	686	37.9	686	37.9
RBL	WIRRAL UNIVERSITY TEACHING HOSPITAL NHS FOUNDATION TRUST	4366	1615	37.0	1411	32.3
RRF	WRIGHTINGTON, WIGAN AND LEIGH NHS FOUNDATION TRUST	2950	1185	40.2	1142	38.7
Q32	Yorkshire and The Humber SHA	110910	40137	36.2	32809	29.6
	SHA vaccine % uptake range			16.1- 62.8		8.4- 51.9
RCF	AIREDALE NHS TRUST	1319	641	48.6	522	39.6
RFF	BARNSELY HOSPITAL NHS FOUNDATION TRUST	1719	642	37.3	434	25.2
5JE	BARNSELY PCT	1664	558	33.5	288	17.3
5NY	BRADFORD & AIREDALE PCT	2347	738	31.4	491	20.9
TAD	BRADFORD DISTRICT CARE TRUST (TRUST BASED)	1553	839	54.0	592	38.1
RAE	BRADFORD TEACHING HOSPITALS NHS FOUNDATION TRUST	3440	1996	58.0	1029	29.9
RWY	CALDERDALE AND HUDDERSFIELD NHS FOUNDATION TRUST	4742	1589	33.5	1503	31.7
5J6	CALDERDALE PCT	1504	504	33.5	314	20.9
RP5	DONCASTER AND BASSETLAW HOSPITALS NHS FOUNDATION TRUST	5979	1593	26.6	1024	17.1
5N5	DONCASTER PCT	2530	988	39.1	212	8.4
5NW	EAST RIDING OF YORKSHIRE PCT	1528	748	49.0	211	13.8
RCD	HARROGATE AND DISTRICT NHS FOUNDATION TRUST	2049	736	35.9	705	34.4
RWA	HULL AND EAST YORKSHIRE HOSPITALS NHS TRUST	6255	1817	29.0	1491	23.8
5NX	HULL PCT	879	274	31.2	167	19.0
RV9	HUMBER MENTAL HEALTH TEACHING NHS TRUST	1323	296	22.4	247	18.7

5N2	KIRKLEES PCT	1434	778	54.3	513	35.8
RGD	LEEDS PARTNERSHIPS NHS FOUNDATION TRUST	1642	474	28.9	685	41.7
5N1	LEEDS PCT	2634	745	28.3	1317	50.0
RR8	LEEDS TEACHING HOSPITALS NHS TRUST	13283	5370	40.4	6021	45.3
RXF	MID YORKSHIRE HOSPITALS NHS TRUST	4464	1576	35.3	1367	30.6
TAN	NORTH EAST LINCOLNSHIRE CARE TRUST PLUS (PCT BASED)	925	414	44.8	144	15.6
5EF	NORTH LINCOLNSHIRE PCT	424	142	33.5	92	21.7
5NV	NORTH YORKSHIRE & YORK PCT	5245	1812	34.5	1835	35.0
RJL	NORTHERN LINCOLNSHIRE AND GOOLE HOSPITALS NHS FOUNDATION TRUST	6708	1438	21.4	1066	15.9
5H8	ROTHERHAM PCT	1455	752	51.7	261	17.9
RXE	ROTHERHAM, DONCASTER AND SOUTH HUMBER MENTAL HEALTH NHS FOUNDATION TRUST	1919	575	30.0	217	11.3
RCC	SCARBOROUGH AND NORTH EAST YORKSHIRE HEALTH CARE NHS TRUST	1979	551	27.8	472	23.9
TAH	SHEFFIELD CARE TRUST	2273	366	16.1	546	24.0
RCU	SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST	2128	612	28.8	476	22.4
5N4	SHEFFIELD PCT	3692	1898	51.4	1119	30.3
RHQ	SHEFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST	8557	2960	34.6	2434	28.4
RXG	SOUTH WEST YORKSHIRE PARTNERSHIP NHS FOUNDATION TRUST	1632	484	29.7	420	25.7
RFR	THE ROTHERHAM NHS FOUNDATION TRUST	2246	1281	57.0	1069	47.6
5N3	WAKEFIELD DISTRICT PCT	2865	958	33.4	596	20.8
RCB	YORK HOSPITALS NHS FOUNDATION TRUST	2900	1822	62.8	1504	51.9
RX8	YORKSHIRE AMBULANCE SERVICE NHS TRUST	3674	1170	31.8	1425	38.8
Q33	East Midlands SHA	78747	31175	39.6	16951	21.5
	SHA vaccine % uptake range			21.4- 80.4		4.9- 45.2
5ET	BASSETLAW PCT	758	191	25.2	58	7.7
RFS	CHESTERFIELD ROYAL HOSPITAL NHS FOUNDATION TRUST	2571	1261	49.0	821	31.9
5N7	DERBY CITY PCT	1279	436	34.1	310	24.2
RTG	DERBY HOSPITALS NHS FOUNDATION TRUST	5586	2143	38.4	1430	25.6
5N6	DERBYSHIRE COUNTY PCT	4515	964	21.4	738	16.3
RXM	DERBYSHIRE MENTAL HEALTH SERVICES NHS TRUST	1488	326	21.9	223	15.0

RX9	EAST MIDLANDS AMBULANCE SERVICE NHS TRUST	2658	1359	51.1	1048	39.4
RNQ	KETTERING GENERAL HOSPITAL NHS FOUNDATION TRUST	2797	1336	47.8	635	22.7
5PC	LEICESTER CITY PCT	1604	723	45.1	183	11.4
5PA	LEICESTERSHIRE COUNTY & RUTLAND PCT	4032	1472	36.5	601	14.9
RT5	LEICESTERSHIRE PARTNERSHIP NHS TRUST	2139	741	34.6	490	22.9
RP7	LINCOLNSHIRE PARTNERSHIP NHS FOUNDATION TRUST	592	205	34.6	209	35.3
5N9	LINCOLNSHIRE PCT	4678	3762	80.4	231	4.9
RNS	NORTHAMPTON GENERAL HOSPITAL NHS TRUST	3204	1321	41.2	1044	32.6
RP1	NORTHAMPTONSHIRE HEALTHCARE NHS FOUNDATION TRUST	1611	848	52.6	407	25.3
5PD	NORTHAMPTONSHIRE PCT	2345	829	35.4	684	29.2
5EM	NOTTINGHAM CITY PCT	2035	719	35.3	183	9.0
RX1	NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST	8095	2704	33.4	1172	14.5
5N8	NOTTINGHAMSHIRE COUNTY PCT	5002	1257	25.1	1255	25.1
RHA	NOTTINGHAMSHIRE HEALTHCARE NHS TRUST	4145	1102	26.6	911	22.0
RK5	SHERWOOD FOREST HOSPITALS NHS FOUNDATION TRUST	2929	1655	56.5	1325	45.2
RWD	UNITED LINCOLNSHIRE HOSPITALS NHS TRUST	5646	2126	37.7	1575	27.9
RWE	UNIVERSITY HOSPITALS OF LEICESTER NHS TRUST	9038	3695	40.9	1418	15.7
Q34	West Midlands SHA	101754	41656	40.9	27457	27
	SHA vaccine % uptake range			17.8-90.8		3.1-69.7
RXT	BIRMINGHAM AND SOLIHULL MENTAL HEALTH NHS FOUNDATION TRUST	3679	654	17.8	518	14.1
RQ3	BIRMINGHAM CHILDREN'S HOSPITAL NHS FOUNDATION TRUST	2336	2120	90.8	1629	69.7
5PG	BIRMINGHAM EAST & NORTH PCT	849	332	39.1	195	23.0
RLU	BIRMINGHAM WOMEN'S NHS FOUNDATION TRUST	844	229	27.1	142	16.8
RJF	BURTON HOSPITALS NHS FOUNDATION TRUST	2237	1053	47.1	137	6.1
RYG	COVENTRY AND WARWICKSHIRE PARTNERSHIP NHS TRUST	2347	661	28.2	707	30.1
5MD	COVENTRY TEACHING PCT	2305	808	35.1	83	3.6
RYK	DUDLEY AND WALSALL MENTAL HEALTH PARTNERSHIP NHS TRUST	1048	231	22.0	299	28.5

5PE	DUDLEY PCT	1965	580	29.5	345	17.6
RLT	GEORGE ELIOT HOSPITAL NHS TRUST	1774	433	24.4	366	20.6
5MX	HEART OF BIRMINGHAM TEACHING PCT	1498	337	22.5	46	3.1
RR1	HEART OF ENGLAND NHS FOUNDATION TRUST	6637	3768	56.8	3796	57.2
RLQ	HEREFORD HOSPITALS NHS TRUST	1854	772	41.6	675	36.4
5CN	HEREFORDSHIRE PCT	1153	473	41.0	412	35.7
RJD	MID STAFFORDSHIRE NHS FOUNDATION TRUST	2803	675	24.1	578	20.6
RLY	NORTH STAFFORDSHIRE COMBINED HEALTHCARE NHS TRUST	1827	500	27.4	109	6.0
5PH	NORTH STAFFORDSHIRE PCT	1358	534	39.3	340	25.0
RL1	ROBERT JONES AND AGNES HUNT ORTHOPAEDIC AND DISTRICT HOSPITAL NHS TRUST	871	369	42.4	169	19.4
RXK	SANDWELL AND WEST BIRMINGHAM HOSPITALS NHS TRUST	5161	2061	39.9	1985	38.5
TAJ	SANDWELL MENTAL HEALTH NHS AND SOCIAL CARE TRUST (TRUST BASED)	780	204	26.2	173	22.2
5PF	SANDWELL PCT	1694	791	46.7	446	26.3
RXW	SHREWSBURY AND TELFORD HOSPITAL NHS TRUST	3627	1547	42.7	399	11.0
5M2	SHROPSHIRE COUNTY PCT	958	472	49.3	356	37.2
TAM	SOLIHULL CARE TRUST (PCT BASED)	624	195	31.3	195	31.3
5M1	SOUTH BIRMINGHAM PCT	2767	520	18.8	509	18.4
RRE	SOUTH STAFFORDSHIRE AND SHROPSHIRE HEALTHCARE NHS FOUNDATION TRUST	2164	1115	51.5	333	15.4
5PK	SOUTH STAFFORDSHIRE PCT	1884	769	40.8	94	5.0
RJC	SOUTH WARWICKSHIRE GENERAL HOSPITALS NHS TRUST	2009	892	44.4	863	43.0
5PJ	STOKE ON TRENT PCT	1675	716	42.7	161	9.6
5MK	TELFORD AND WREKIN PCT	488	182	37.3	159	32.6
RNA	THE DUDLEY GROUP OF HOSPITALS NHS FOUNDATION TRUST	2906	1035	35.6	698	24.0
RRJ	THE ROYAL ORTHOPAEDIC HOSPITAL NHS FOUNDATION TRUST	592	168	28.4	116	19.6
RL4	THE ROYAL WOLVERHAMPTON HOSPITALS NHS TRUST	4989	1629	32.7	1564	31.3
RRK	UNIVERSITY HOSPITAL BIRMINGHAM NHS FOUNDATION TRUST	2525	1046	41.4	1174	46.5

RJE	UNIVERSITY HOSPITAL OF NORTH STAFFORDSHIRE NHS TRUST	6104	3096	50.7	1604	26.3
RKB	UNIVERSITY HOSPITALS COVENTRY AND WARWICKSHIRE NHS TRUST	5140	2220	43.2	756	14.7
RBK	WALSALL HOSPITALS NHS TRUST	2583	1426	55.2	191	7.4
5M3	WALSALL TEACHING PCT	718	329	45.8	55	7.7
5PM	WARWICKSHIRE PCT	2274	1260	55.4	831	36.5
RYA	WEST MIDLANDS AMBULANCE SERVICE NHS TRUST	3285	2175	66.2	1937	59.0
5MV	WOLVERHAMPTON CITY PCT	1460	489	33.5	197	13.5
RWP	WORCESTERSHIRE ACUTE HOSPITALS NHS TRUST	4574	1718	37.6	1296	28.3
RWQ	WORCESTERSHIRE MENTAL HEALTH PARTNERSHIP NHS TRUST	975	270	27.7	275	28.2
5PL	WORCESTERSHIRE PCT	2413	802	33.2	544	22.5
Q35	NHS East of England	94375	36455	38.6	23570	25
	SHA vaccine % uptake range			25.2-30.3		3.3-52.8
RDD	BASILDON AND THURROCK UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	3457	1742	50.4	659	19.1
RC1	BEDFORD HOSPITAL NHS TRUST	1697	822	48.4	815	48.0
RV7	BEDFORDSHIRE AND LUTON MENTAL HEALTH AND SOCIAL CARE NHS TRUST	1078	500	46.4	209	19.4
5P2	BEDFORDSHIRE PCT	2178	713	32.7	425	19.5
RGT	CAMBRIDGE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	5883	2187	37.2	1268	21.6
RT1	CAMBRIDGESHIRE AND PETERBOROUGH NHS FOUNDATION TRUST	1771	627	35.4	203	11.5
5PP	CAMBRIDGESHIRE PCT	4096	1032	25.2	454	11.1
RDE	COLCHESTER HOSPITAL UNIVERSITY NHS FOUNDATION TRUST	2904	1081	37.2	1532	52.8
5P3	EAST & NORTH HERTFORDSHIRE PCT	See West Hertfordshire PCT				
RWH	EAST AND NORTH HERTFORDSHIRE NHS TRUST	4777	1975	41.3	1446	30.3
RYC	EAST OF ENGLAND AMBULANCE SERVICE NHS TRUST	3710	1479	39.9	1479	39.9
5PR	GREAT YARMOUTH & WAVENEY PCT	944	588	62.3	375	39.7
RWR	HERTFORDSHIRE PARTNERSHIP NHS FOUNDATION TRUST	1704	633	37.1	351	20.6
RQQ	HINCHINGBROOKE HEALTH CARE NHS TRUST	1144	513	44.8	308	26.9
RGQ	IPSWICH HOSPITAL NHS TRUST	3526	1116	31.7	903	25.6

RGP	JAMES PAGET UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	2001	1010	50.5	1004	50.2
RC9	LUTON AND DUNSTABLE HOSPITAL NHS FOUNDATION TRUST	2380	1046	43.9	861	36.2
5GC	LUTON PCT	1031	486	47.1	467	45.3
RQ8	MID ESSEX HOSPITAL SERVICES NHS TRUST	2916	1211	41.5	1173	40.2
5PX	MID ESSEX PCT	1710	863	50.5	298	17.4
RM1	NORFOLK AND NORWICH UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	5606	2755	49.1	1677	29.9
RMY	NORFOLK AND WAVENEY MENTAL HEALTH NHS FOUNDATION TRUST	1803	645	35.8	357	19.8
5PQ	NORFOLK PCT	5293	1182	22.3	284	5.4
5PW	NORTH EAST ESSEX PCT	1358	610	44.9	159	11.7
RRD	NORTH ESSEX PARTNERSHIP NHS FOUNDATION TRUST	1889	566	30.0	442	23.4
RGM	PAPWORTH HOSPITAL NHS FOUNDATION TRUST	1354	1065	78.7	457	33.8
RGN	PETERBOROUGH AND STAMFORD HOSPITALS NHS FOUNDATION TRUST	3162	1250	39.5	1042	33.0
5PN	PETERBOROUGH PCT	1471	592	40.2	49	3.3
5P1	SOUTH EAST ESSEX PCT	1077	266	24.7	285	26.5
RWN	SOUTH ESSEX PARTNERSHIP UNIVERSITY NHS FOUNDATION TRUST	1700	1077	63.4	208	12.2
5PY	SOUTH WEST ESSEX PCT	1270	494	38.9	210	16.5
RAJ	SOUTHEND UNIVERSITY HOSPITAL NHS FOUNDATION TRUST	3643	1046	28.7	641	17.6
RT6	SUFFOLK MENTAL HEALTH PARTNERSHIP NHS TRUST	1187	272	22.9	219	18.4
5PT	SUFFOLK PCT	1421	509	35.8	343	24.1
RQW	THE PRINCESS ALEXANDRA HOSPITAL NHS TRUST	1886	600	31.8	256	13.6
RCX	THE QUEEN ELIZABETH HOSPITAL KING'S LYNN NHS TRUST	2541	1202	47.3	1142	44.9
5PV	WEST ESSEX PCT	793	359	45.3	149	18.8
RWG	WEST HERTFORDSHIRE HOSPITALS NHS TRUST	2815	630	22.4	376	13.4
5P4	WEST HERTFORDSHIRE PCT	2414	866	35.9	369	15.3
RGR	WEST SUFFOLK HOSPITALS NHS TRUST	2785	845	30.3	675	24.2
Q36	London SHA	159541	64002	40.1	40835	25.6
	SHA vaccine % uptake range			22.5-76.6		2.3-52.4
5C2	BARKING AND DAGENHAM PCT	372	285	76.6	87	23.4

RF4	BARKING, HAVERING AND REDBRIDGE UNIVERSITY HOSPITALS NHS TRUST	4286	1614	37.7	840	19.6
RVL	BARNET AND CHASE FARM HOSPITALS NHS TRUST	3421	1344	39.3	781	22.8
5A9	BARNET PCT	1786	653	36.6	486	27.2
RRP	BARNET, ENFIELD AND HARINGEY MENTAL HEALTH NHS TRUST	1740	475	27.3	320	18.4
RNJ	BARTS AND THE LONDON NHS TRUST	6957	2588	37.2	1465	21.1
TAK	BEXLEY CARE TRUST (PCT BASED)	1002	395	39.4	271	27.0
5K5	BRENT TEACHING PCT	1288	471	36.6	389	30.2
5A7	BROMLEY PCT	957	600	62.7	485	50.7
TAF	CAMDEN & ISLINGTON MENTAL HEALTH AND SOCIAL CARE TRUST (TRUST BASED)	1672	442	26.4	405	24.2
5K7	CAMDEN PCT	1404	450	32.1	369	26.3
RV3	CENTRAL AND NORTH WEST LONDON NHS FOUNDATION TRUST	3444	1054	30.6	548	15.9
RQM	CHELSEA AND WESTMINSTER HOSPITAL NHS FOUNDATION TRUST	2806	1621	57.8	549	19.6
5C3	CITY AND HACKNEY TEACHING PCT	1321	465	35.2	253	19.2
5K9	CROYDON PCT	1644	453	27.6	329	20.0
RC3	EALING HOSPITAL NHS TRUST	1398	705	50.4	349	25.0
5HX	EALING PCT	1417	624	44.0	591	41.7
RWK	EAST LONDON NHS FOUNDATION TRUST	2169	938	43.2	887	40.9
5C1	ENFIELD PCT	897	338	37.7	173	19.3
RVR	EPSOM AND ST HELIER UNIVERSITY HOSPITALS NHS TRUST	3598	1224	34.0	849	23.6
RP4	GREAT ORMOND STREET HOSPITAL FOR CHILDREN NHS TRUST	2430	1674	68.9	1119	46.0
5A8	GREENWICH TEACHING PCT	1426	474	33.2	232	16.3
RJ1	GUY'S AND ST THOMAS' NHS FOUNDATION TRUST	7094	2968	41.8	3578	50.4
5H1	HAMMERSMITH AND FULHAM PCT	728	240	33.0	104	14.3
5C9	HARINGEY TEACHING PCT	1055	445	42.2	283	26.8
5K6	HARROW PCT	938	413	44.0	316	33.7
5A4	HAVERING PCT	2073	957	46.2	205	9.9
5AT	HILLINGDON PCT	1280	775	60.5	333	26.0
RQX	HOMERTON UNIVERSITY HOSPITAL NHS FOUNDATION TRUST	2047	1017	49.7	917	44.8
5HY	HOUNSLOW PCT	1130	341	30.2	55	4.9

RYJ	IMPERIAL COLLEGE HEALTHCARE NHS TRUST	7183	2813	39.2	1884	26.2
5K8	ISLINGTON PCT	948	440	46.4	219	23.1
5LA	KENSINGTON AND CHELSEA PCT	897	428	47.7	316	35.2
RJZ	KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST	5085	1495	29.4	1295	25.5
RAX	KINGSTON HOSPITAL NHS TRUST	2604	1157	44.4	770	29.6
5A5	KINGSTON PCT	544	272	50.0	238	43.8
5LD	LAMBETH PCT	1445	425	29.4	207	14.3
5LF	LEWISHAM PCT	1417	560	39.5	50	3.5
RRU	LONDON AMBULANCE SERVICE NHS TRUST	3300	866	26.2	1730	52.4
RJ6	MAYDAY HEALTHCARE NHS TRUST	2531	1082	42.7	326	12.9
RP6	MOORFIELDS EYE HOSPITAL NHS FOUNDATION TRUST	842	418	49.6	397	47.1
5C5	NEWHAM PCT	1046	617	59.0	540	51.6
RNH	NEWHAM UNIVERSITY HOSPITAL NHS TRUST	1931	1065	55.2	864	44.7
RAT	NORTH EAST LONDON NHS FOUNDATION TRUST	1410	581	41.2	317	22.5
RAP	NORTH MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST	1458	570	39.1	185	12.7
RV8	NORTH WEST LONDON HOSPITALS NHS TRUST	3691	1553	42.1	1009	27.3
RPG	OXLEAS NHS FOUNDATION TRUST	1538	451	29.3	399	25.9
5NA	REDBRIDGE PCT	1382	551	39.9	316	22.9
5M6	RICHMOND AND TWICKENHAM PCT	638	219	34.3	126	19.7
RT3	ROYAL BROMPTON AND HAREFIELD NHS FOUNDATION TRUST	2281	1291	56.6	796	34.9
RAL	ROYAL FREE HAMPSTEAD NHS TRUST	3899	2376	60.9	470	12.1
RAN	ROYAL NATIONAL ORTHOPAEDIC HOSPITAL NHS TRUST	740	214	28.9	141	19.1
RV5	SOUTH LONDON AND MAUDSLEY NHS FOUNDATION TRUST	4003	1378	34.4	570	14.2
RYQ	SOUTH LONDON HEALTHCARE NHS TRUST	4839	1088	22.5	849	17.5
RQY	SOUTH WEST LONDON AND ST GEORGE'S MENTAL HEALTH NHS TRUST	1967	874	44.4	120	6.1
5LE	SOUTHWARK PCT	1403	513	36.6	32	2.3
RJ7	ST GEORGE'S HEALTHCARE NHS TRUST	6861	2626	38.3	1555	22.7
5M7	SUTTON AND MERTON PCT	1618	575	35.5	501	31.0
RNK	TAVISTOCK AND PORTMAN NHS FOUNDATION TRUST	307	105	34.2	16	5.2

RAS	THE HILLINGDON HOSPITAL NHS TRUST	1989	1001	50.3	838	42.1
RJ2	THE LEWISHAM HOSPITAL NHS TRUST	1959	587	30.0	249	12.7
RPY	THE ROYAL MARSDEN NHS FOUNDATION TRUST	2142	927	43.3	661	30.9
RKE	THE WHITTINGTON HOSPITAL NHS TRUST	2049	1302	63.5	454	22.2
5C4	TOWER HAMLETS PCT	1889	834	44.2	339	17.9
RRV	UNIVERSITY COLLEGE LONDON HOSPITALS NHS FOUNDATION TRUST	6470	2890	44.7	1909	29.5
5NC	WALTHAM FOREST PCT	7	3	42.9	3	42.9
5LG	WANDSWORTH PCT	1714	625	36.5	318	18.6
RKL	WEST LONDON MENTAL HEALTH NHS TRUST	2995	727	24.3	641	21.4
RFW	WEST MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST	2037	817	40.1	465	22.8
5LC	WESTMINSTER PCT	1593	619	38.9	426	26.7
RGC	WHIPPS CROSS UNIVERSITY HOSPITAL NHS TRUST	3109	1024	32.9	726	23.4
Q37	South East Coast SHA	70354	28275	40.2	17551	24.9
	SHA vaccine % uptake range			14.4-65.0		8.4-57.6
RTK	ASHFORD AND ST PETER'S HOSPITALS NHS TRUST	2745	1102	40.1	1015	37.0
5LQ	BRIGHTON AND HOVE CITY PCT	1057	525	49.7	262	24.8
RXH	BRIGHTON AND SUSSEX UNIVERSITY HOSPITALS NHS TRUST	4685	2845	60.7	493	10.5
RN7	DARTFORD AND GRAVESHAM NHS TRUST	2001	1050	52.5	1022	51.1
RVV	EAST KENT HOSPITALS UNIVERSITY NHS FOUNDATION TRUST	5556	2022	36.4	1953	35.2
5P7	EAST SUSSEX DOWNS & WEALD PCT	1910	909	47.6	260	13.6
RXC	EAST SUSSEX HOSPITALS NHS TRUST	4282	1059	24.7	707	16.5
5QA	EASTERN & COASTAL KENT PCT	4614	1771	38.4	768	16.6
RDU	FRIMLEY PARK HOSPITAL NHS FOUNDATION TRUST	3756	1629	43.4	1447	38.5
5P8	HASTINGS & ROTHER PCT	1117	498	44.6	94	8.4
RXY	KENT AND MEDWAY NHS AND SOCIAL CARE PARTNERSHIP TRUST	2303	361	15.7	593	25.7
RWF	MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST	3060	1796	58.7	1764	57.6
RPA	MEDWAY NHS FOUNDATION TRUST	2335	548	23.5	739	31.6
5L3	MEDWAY PCT	1468	567	38.6	263	17.9
RPC	QUEEN VICTORIA HOSPITAL NHS FOUNDATION TRUST	861	451	52.4	217	25.2

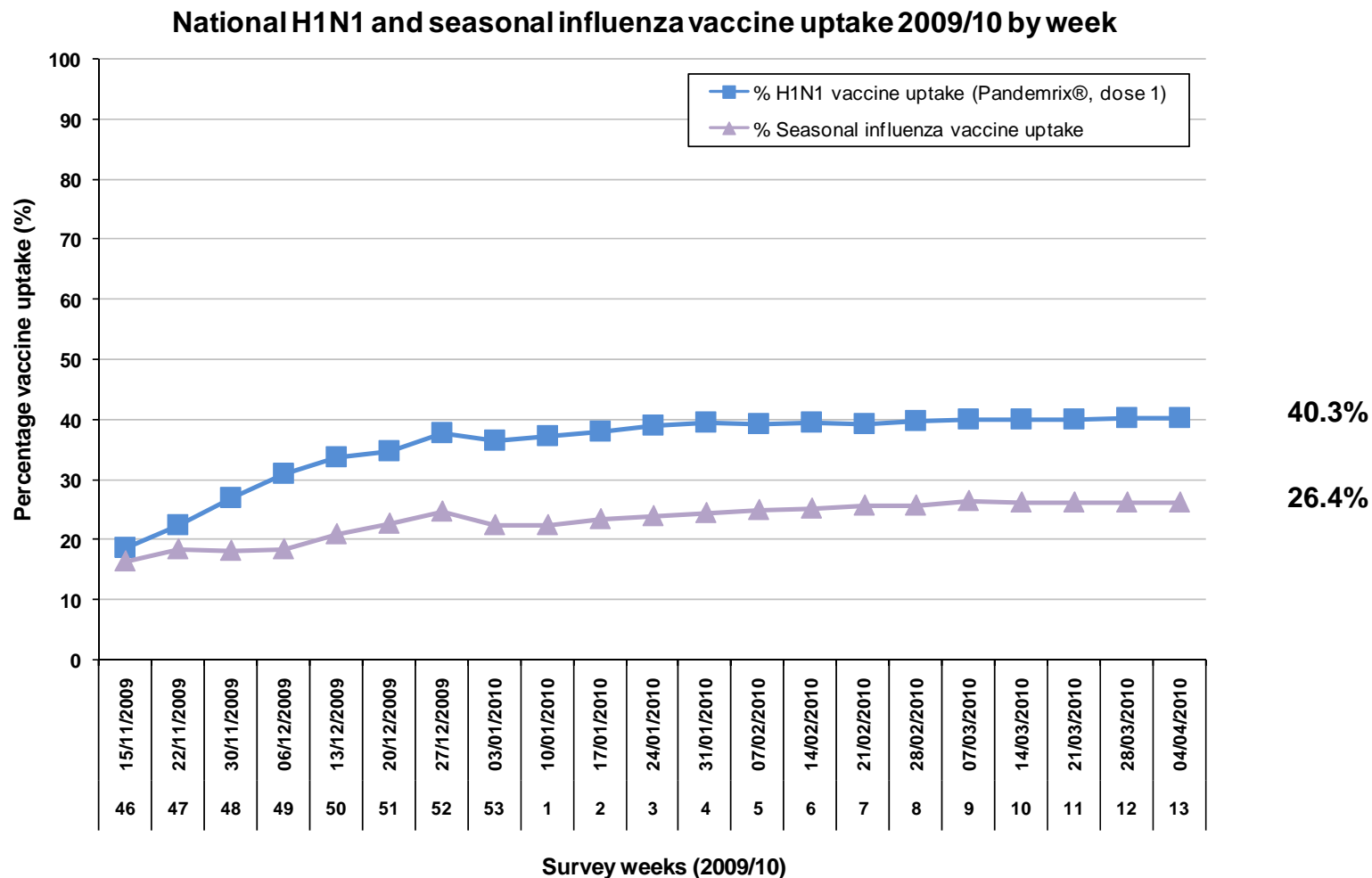
RA2	ROYAL SURREY COUNTY HOSPITAL NHS TRUST	4000	1758	44.0	939	23.5
RDR	SOUTH DOWNS HEALTH NHS TRUST	1052	562	53.4	104	9.9
RYD	SOUTH EAST COAST AMBULANCE SERVICE NHS TRUST	2026	889	43.9	678	33.5
RXX	SURREY AND BORDERS PARTNERSHIP NHS FOUNDATION TRUST	3374	485	14.4	437	13.0
RTP	SURREY AND SUSSEX HEALTHCARE NHS TRUST	2745	1277	46.5	449	16.4
5P5	SURREY PCT	1255	816	65.0	294	23.4
RX2	SUSSEX PARTNERSHIP NHS FOUNDATION TRUST	3491	1197	34.3	328	9.4
5P9	WEST KENT PCT	3362	979	29.1	733	21.8
5P6	WEST SUSSEX PCT	3130	1073	34.3	618	19.7
RYR	WESTERN SUSSEX HOSPITALS NHS TRUST	4169	2106	50.5	1374	33.0
Q38	South Central SHA	72142	29804	41.3	14113	19.6
	SHA vaccine % uptake range			6.7-73.8		0.0-54.5
RN5	BASINGSTOKE AND NORTH HAMPSHIRE NHS FOUNDATION TRUST	2152	1472	68.4	1173	54.5
5QG	BERKSHIRE EAST PCT	2150	746	34.7	396	18.4
RWX	BERKSHIRE HEALTHCARE NHS FOUNDATION TRUST	1086	357	32.9	85	7.8
5QF	BERKSHIRE WEST PCT	2373	641	27.0	167	7.0
RXQ	BUCKINGHAMSHIRE HOSPITALS NHS TRUST	3076	1025	33.3	1021	33.2
5QD	BUCKINGHAMSHIRE PCT	3017	921	30.5	350	11.6
RW1	HAMPSHIRE PARTNERSHIP NHS FOUNDATION TRUST	3428	1616	47.1	1491	43.5
5QC	HAMPSHIRE PCT	5464	1592	29.1	0	0.0
RD7	HEATHERWOOD AND WEXHAM PARK HOSPITALS NHS FOUNDATION TRUST	2448	953	38.9	475	19.4
5QT	ISLE OF WIGHT HEALTHCARE PCT	2847	1451	51.0	1076	37.8
RD8	MILTON KEYNES HOSPITAL NHS FOUNDATION TRUST	1651	642	38.9	689	41.7
5CQ	MILTON KEYNES PCT	1164	480	41.2	330	28.4
RBF	NUFFIELD ORTHOPAEDIC CENTRE NHS TRUST	725	388	53.5	392	54.1
RTH	OXFORD RADCLIFFE HOSPITALS NHS TRUST	8618	4186	48.6	1756	20.4
RNU	OXFORDSHIRE AND BUCKINGHAMSHIRE MENTAL HEALTH NHS FOUNDATION TRUST	2001	409	20.4	400	20.0
RHX	OXFORDSHIRE LEARNING DISABILITY NHS TRUST	1034	69	6.7	28	2.7
5QE	OXFORDSHIRE PCT	3343	1364	40.8	107	3.2

5FE	PORTSMOUTH CITY TEACHING PCT	2039	503	24.7	650	31.9
RHU	PORTSMOUTH HOSPITALS NHS TRUST	6494	1910	29.4	2079	32.0
RHW	ROYAL BERKSHIRE NHS FOUNDATION TRUST	3829	1552	40.5	277	7.2
RYE	SOUTH CENTRAL AMBULANCE SERVICE NHS TRUST	3000	2213	73.8	0	0.0
5L1	SOUTHAMPTON CITY PCT	2104	813	38.6	0	0.0
RHM	SOUTHAMPTON UNIVERSITY HOSPITALS NHS TRUST	6391	3526	55.2	495	7.7
RN1	WINCHESTER AND EASTLEIGH HEALTHCARE NHS TRUST	1708	975	57.1	676	39.6
Q39	South West SHA	108864	47984	44.1	22062	20.3
	SHA vaccine % uptake range			25.4-64.0		0.4-46.3
RTQ	2GETHER NHS FOUNDATION TRUST	1313	363	27.6	251	19.1
RVN	AVON AND WILTSHIRE MENTAL HEALTH PARTNERSHIP NHS TRUST	3000	1615	53.8	1060	35.3
5FL	BATH AND NORTH EAST SOMERSET PCT	1484	666	44.9	187	12.6
5QN	BOURNEMOUTH & POOLE PCT	2037	794	39.0	403	19.8
5QJ	BRISTOL PCT	2086	908	43.5	256	12.3
5QP	CORNWALL & ISLES OF SCILLY PCT	3121	1206	38.6	356	11.4
RJ8	CORNWALL PARTNERSHIP NHS TRUST	912	241	26.4	290	31.8
RWV	DEVON PARTNERSHIP NHS TRUST	1636	508	31.1	123	7.5
5QQ	DEVON PCT	5302	1861	35.1	390	7.4
RBD	DORSET COUNTY HOSPITAL NHS FOUNDATION TRUST	2292	775	33.8	402	17.5
RDY	DORSET HEALTHCARE NHS FOUNDATION TRUST	1316	334	25.4	470	35.7
5QM	DORSET PCT	3247	1584	48.8	875	26.9
RTE	GLOUCESTERSHIRE HOSPITALS NHS FOUNDATION TRUST	5937	1961	33.0	22	0.4
5QH	GLOUCESTERSHIRE PCT	5155	2608	50.6	603	11.7
RX5	GREAT WESTERN AMBULANCE SERVICE NHS TRUST	1442	775	53.7	93	6.4
RN3	GREAT WESTERN HOSPITALS NHS FOUNDATION TRUST	3021	1301	43.1	906	30.0
RVJ	NORTH BRISTOL NHS TRUST	6259	2916	46.6	798	12.7
5M8	NORTH SOMERSET PCT	983	588	59.8	64	6.5
RBZ	NORTHERN DEVON HEALTHCARE NHS TRUST	1798	643	35.8	568	31.6
RK9	PLYMOUTH HOSPITALS NHS TRUST	5767	2414	41.9	1820	31.6
5F1	PLYMOUTH TEACHING PCT	2591	1105	42.6	452	17.4
RD3	POOLE HOSPITAL NHS FOUNDATION TRUST	3603	1438	39.9	1080	30.0

REF	ROYAL CORNWALL HOSPITALS NHS TRUST	3342	1265	37.9	570	17.1
RH8	ROYAL DEVON AND EXETER NHS FOUNDATION TRUST	5082	2158	42.5	741	14.6
RBB	ROYAL NATIONAL HOSPITAL FOR RHEUMATIC DISEASES NHS FOUNDATION TRUST	289	132	45.7	82	28.4
RD1	ROYAL UNITED HOSPITAL BATH NHS TRUST	2830	1791	63.3	991	35.0
RNZ	SALISBURY NHS FOUNDATION TRUST	2441	1296	53.1	713	29.2
RH5	SOMERSET PARTNERSHIP NHS FOUNDATION TRUST	996	311	31.2	232	23.3
5QL	SOMERSET PCT	2976	1906	64.0	327	11.0
RA9	SOUTH DEVON HEALTHCARE NHS FOUNDATION TRUST	3438	1246	36.2	707	20.6
5A3	SOUTH GLOUCESTERSHIRE PCT	1498	864	57.7	87	5.8
RYF	SOUTH WESTERN AMBULANCE SERVICE NHS TRUST	1885	735	39.0	550	29.2
5K3	SWINDON PCT	1125	393	34.9	110	9.8
RBA	TAUNTON AND SOMERSET NHS FOUNDATION TRUST	2486	961	38.7	702	28.2
RDZ	THE ROYAL BOURNEMOUTH AND CHRISTCHURCH HOSPITALS NHS FOUNDATION TRUST	3507	1906	54.3	1384	39.5
TAL	TORBAY CARE TRUST (PCT BASED)	1303	701	53.8	89	6.8
RA7	UNIVERSITY HOSPITALS BRISTOL NHS FOUNDATION TRUST	5595	2899	51.8	2589	46.3
RA3	WESTON AREA HEALTH NHS TRUST	1626	639	39.3	315	19.4
5QK	WILTSHIRE PCT	2899	1516	52.3	274	9.5
RA4	YEOVIL DISTRICT HOSPITAL NHS FOUNDATION TRUST	1244	661	53.1	130	10.5

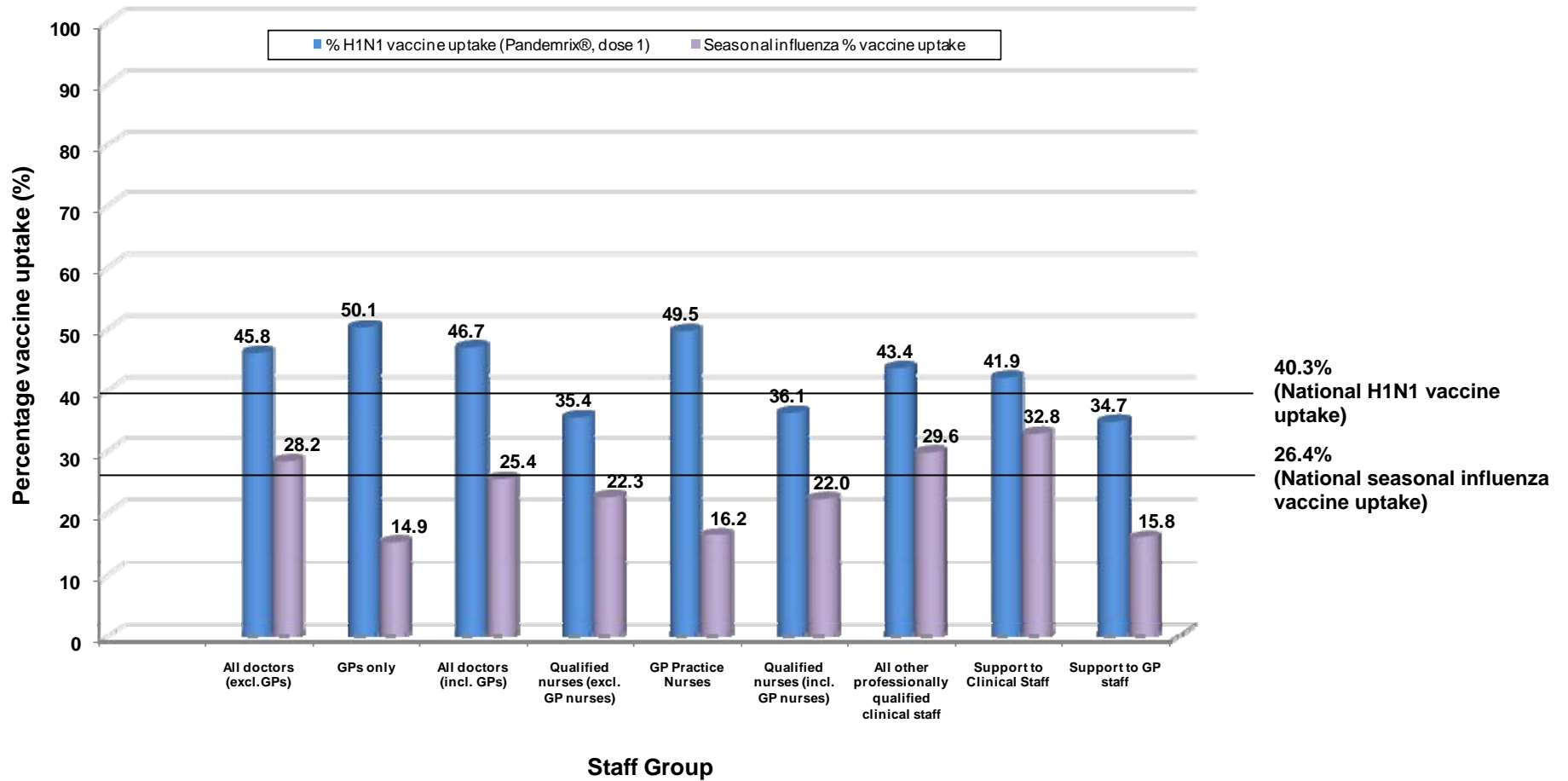
Appendix E: H1N1 vaccine and seasonal influenza national vaccine uptake 2009/10 data graphs

Graph 1



H1N1 vaccine and seasonal influenza vaccine uptake data were collected from 8 November 2009 to 4 April 2010 (inclusive) in 22 weekly surveys. By week 13 (4 April 2010), 40.3% of frontline HCWs received the H1N1 vaccine (Pandemrix®, dose 1) and 26.4% of staff received the seasonal influenza vaccine. Data source: ImmForm website.

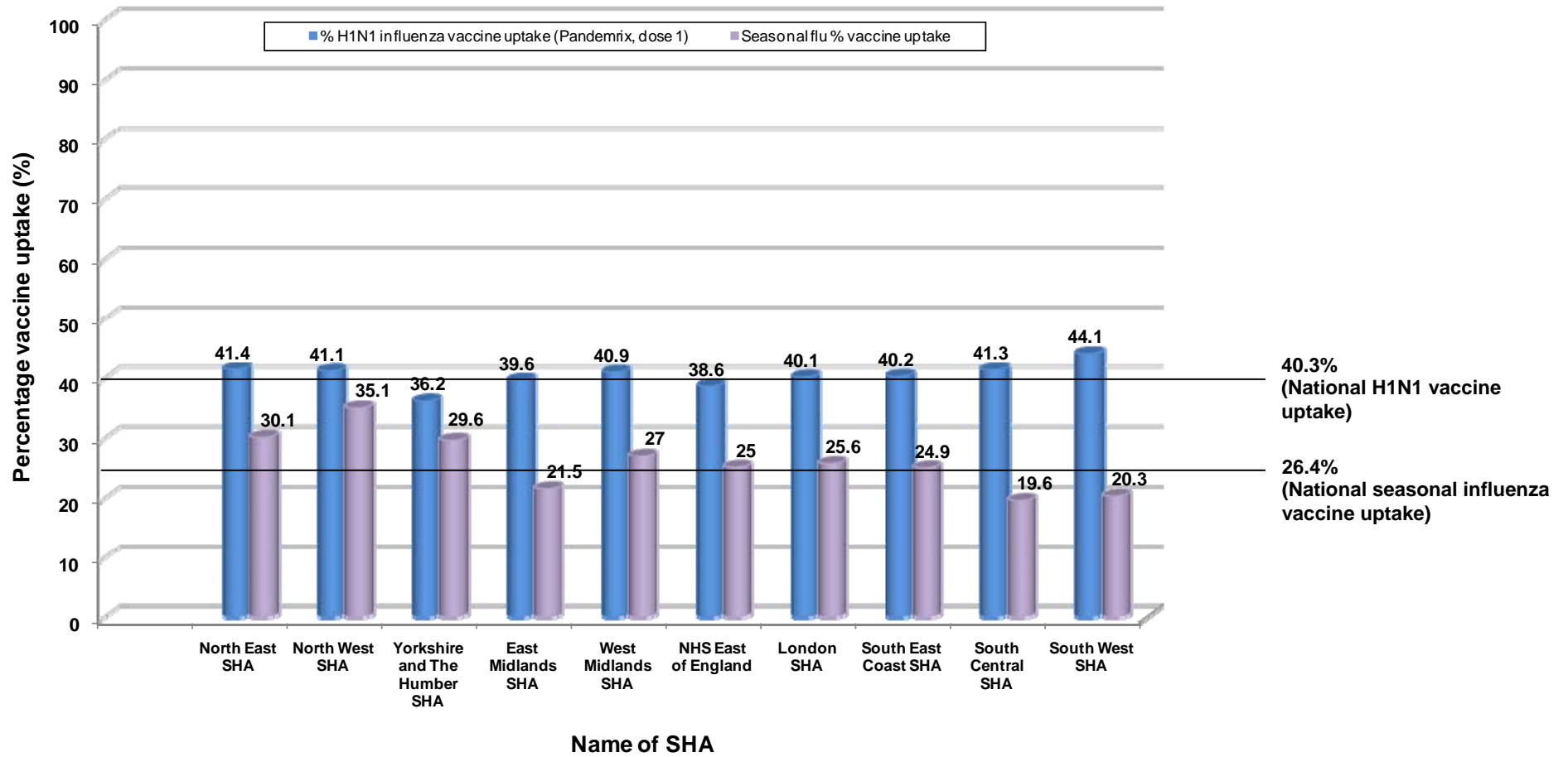
National H1N1 and seasonal influenza vaccine uptake 2009/10 by staff group



The highest and lowest H1N1 vaccine uptake rates were among GPs (50.1%) and GP support staff (34.7%), respectively. By comparison, the highest and lowest seasonal influenza vaccine uptake was among clinical support staff (32.8%) and GPs (14.9%), respectively. Data source: ImmForm website.

Graph 3

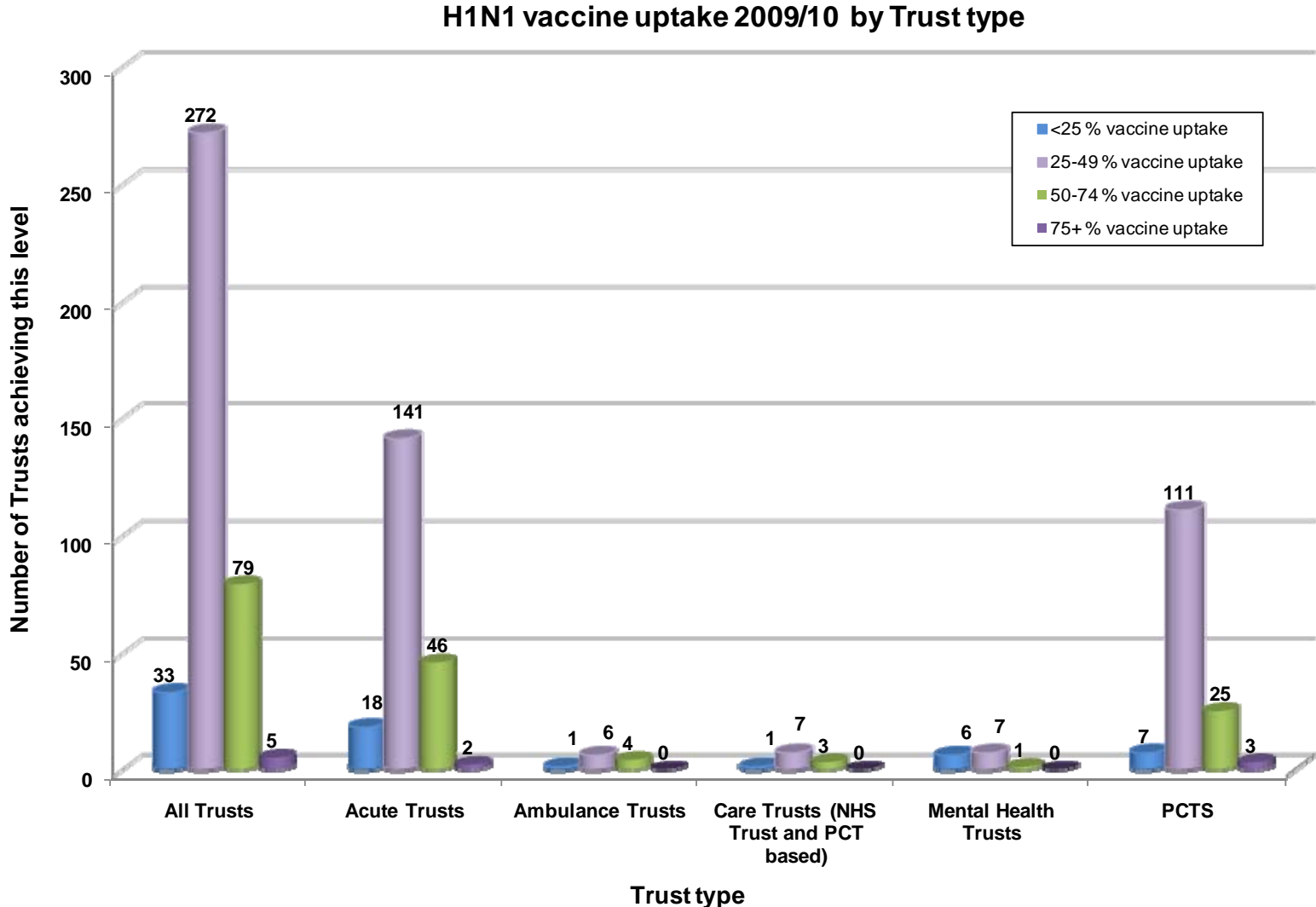
H1N1 and seasonal influenza vaccine uptake 2009/10 by SHA



This graph shows H1N1 vaccine and seasonal influenza vaccine uptake by SHA, and highlights SHA performance compared to national uptake rates.

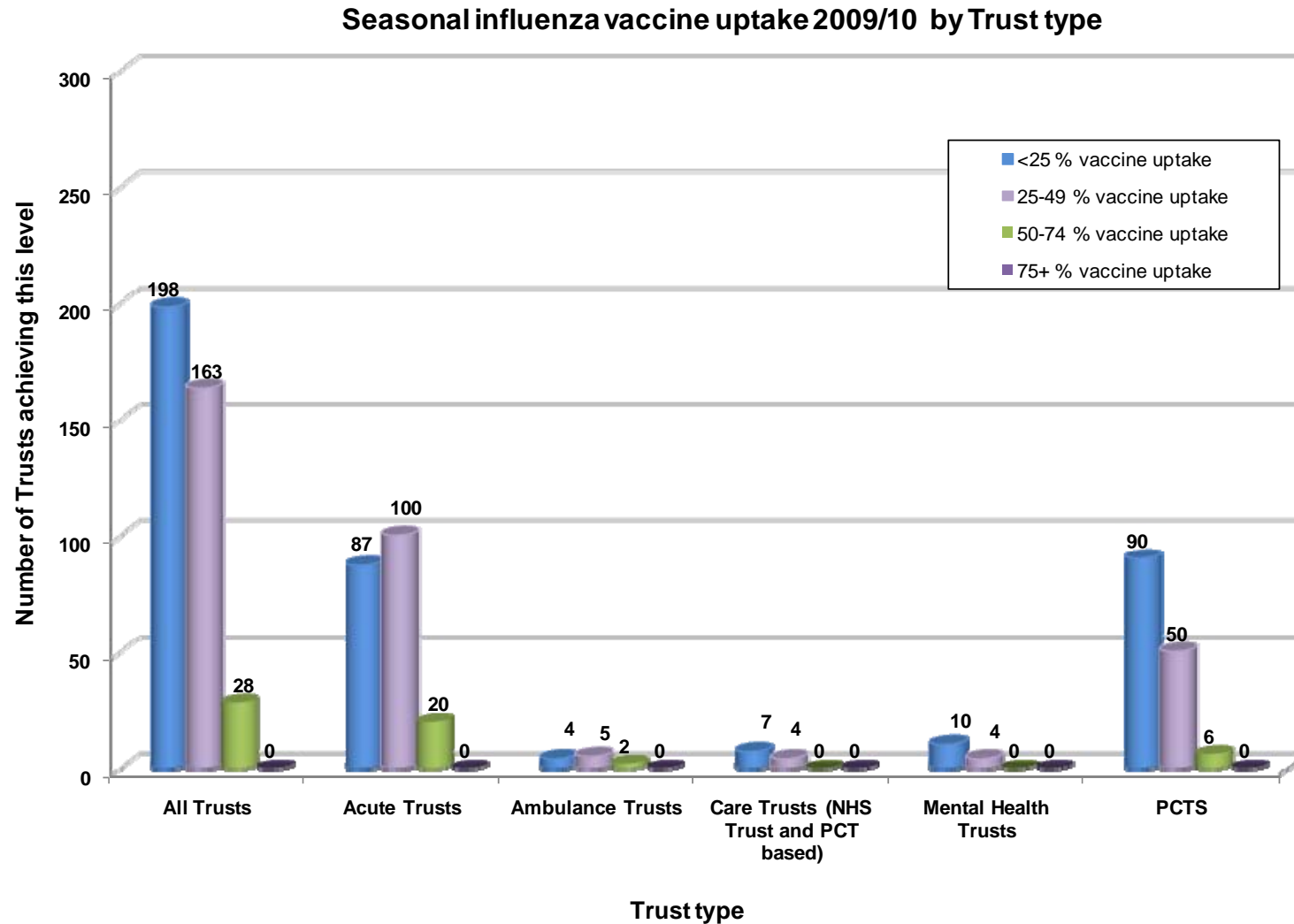
Data source: ImmForm website

Graph 4



272 Trusts achieved H1N1 vaccine uptakes rates between 25-49%; this was the most common uptake range achieved for all Trust types. Data source: ImmForm website

Graph 5



Most Trusts (198) achieved seasonal vaccine uptakes rates below 25%. This level of uptake was the most frequently observed uptake level achieved by all Trust types, except Acute and Ambulance Trusts (the majority of which achieved uptake rates between 25-49%). Data source: ImmForm website