The only vaccine scheduling platform dedicated to supporting the roving delivery model for housebound patients

PCN Roving Delivery Model Blueprint: Automating the delivery of winter vaccines to housebound patients

Traditional vaccine scheduling

Managing the co-administration of winter vaccines to housebound patients is complex and can create a significantly higher administrative and clinical workload for primary care organisations through:

- Organising and assigning caseloads
- Communicating with clinicians
- Communicating with patients
- Last minute schedule adjustments
- Organising a minimum of 12 vaccine combinations (including Covid, Flu, Pneumococcal, Shingles)
- Managing logistical problems
- Route planning

Automated vaccine scheduling

Using intelligent automation, Doc Abode's vaccination scheduling module creates efficiencies in the vaccination scheduling process, freeing up administrative and clinical staff to deliver core primary care services.

Doc Abode can be operational within **24 hours** to help PCNs realise up to a **98% reduction** in the administrative tasks associated with vaccine scheduling

Case study: Streamlining the vaccination rollout with Conexus Healthcare and Health Care First

GP Federation Conexus Healthcare engaged with Doc Abode to support the co-ordination of the vaccination roving model programme for housebound and care home patients in Wakefield with an initial deployment to Health Care First network.

Health Care First was spending **2 days per vaccine caseload** on administrative tasks

- Provider: ~13 hours creating, assigning and managing issues per caseload
- Clinician: ~1 hour receiving information and managing each caseload

Doc Abode turned this into **less than 15 minutes total per caseload**

"Coordinating the vaccination of 1500 care home residents and staff plus 800+ housebound patients is extremely time consuming. By using the Doc Abode app, we turned 10 days' work into one simple click!" David Lighten, Community Nurse Practitioner, Health Care First

Time-saving features for Health Care First

Intelligent caseload management
Real-time, automated scheduling of patients to the available workforce based on: Staff availability, vial size, traffic conditions, start / end locations, dosing schedules / minimum intervals between doses and patient preferences.

Route optimisation
To ensure the greatest number of vaccinations were delivered in the available time of each vaccinator, minimising vaccine wastage.

Automated follow up
Second and third dose appointment schedules were automatically created based on the NHS 'COVID-19 local vaccination services deployment in community settings' roving and mobile models standard operating procedures.

Patient stratification
Patients were filtered and prioritised according to vaccine prioritisation e.g., >80yrs in a care home.

Communication tools
Bulk messaging to patients to inform of appointment times and verify identity of visiting vaccinator.

Back-office view of in-field deployments
Each organisation has a real-time view of schedules and the ability to easily re-assign or reschedule appointments in the event of short notice cancellation from staff or patients due to sickness / self-isolation.

Clinician app
Clinicians are kept informed of their schedule through a secure app which also included notifications of appointment changes.

Impact

The rapid deployment of Doc Abode created demonstrable efficiencies.

98% reduction in time taken to organise and assign caseloads, manage logistical problems and communicate with patients

Centralising administration to reduce resource requirements **from 8 WTE to 5 WTE**, freeing up staff to be redeployed to core services

Scalable delivery of the **full winter vaccination programme** including Covid-19 boosters, flu, pneumococcal and shingles to eligible patients

Winner of the Innovation in General Practice Award at the Wakefield General Practice Awards 2021

> ***"Administrators and clinicians across the network have welcomed the introduction of Doc Abode to reduce the operational burden they initially experienced with the Covid-19 vaccination roll out. Delivering the 1st and 2nd Covid-19 vaccinations was time consuming enough but with one eye on the additional winter vaccination programmes, including co-administration of the flu vaccine, we wanted to explore how technology outside of the traditional EPR system could deliver efficiencies for the benefit of the practices, clinicians and patients in both the short and long term. Doc Abode delivered on every level."***
> Antony Nelson MD of Conexus