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Wales



Llywodraeth Cymru  
Welsh Government



**Mae Brechu yn achub bywydau**  
**Vaccination saves lives**

# Vaccination Strategy for Wales

January 2021



**DIOGELU CYMRU**  
**KEEP WALES SAFE**



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## SECTION 1. Ministerial Foreword

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2020 was a very difficult year for everyone. Many of us have lost family members and close friends to coronavirus. All of us have had our lives disrupted in one way or another by the pandemic.

The situation in Wales as we enter 2021 remains very serious. Cases of the virus are very high and a new, more infectious strain of coronavirus has emerged across the UK, which is circulating in all parts of Wales. As a result, we all need to stay at home again to keep Wales safe.

But 2021 also brings hope for us all with the Covid-19 vaccines now available. Wales' vaccination programme began with the arrival of the Pfizer BioNTech vaccine early in December, followed by the Oxford AstraZeneca vaccine at the beginning of January.

NHS plans were put into operation immediately, and have led to more than 86,039 people across Wales being vaccinated so far. Against a backdrop of extreme pressure on the NHS and social care, the efforts by everyone involved to deliver this number, with minimal wastage in such a short space of time, is a significant and positive start.

This national strategy sets out how the vaccination programme will ramp up as fast and as safely as possible in the coming weeks and offer us a brighter future.

More than 1.5 million people in Wales will get the vaccine in the first stage of roll out – but it will take time to protect everyone.

The demand for the vaccine is understandably very high. It is important we work through the population according to the priority list as set out by the JCVI (Joint Committee on Vaccination and Immunisation).

The people who are most at risk of catching coronavirus and developing serious illnesses will get the vaccine first. This includes people living in care homes; the over 80s and frontline health and care workers. (Please see the annex for more details of priority groups in the first phase).

We are still in the early days of the roll-out of this programme but as more vaccines are provided to Wales from the UK Government and our operations scale up, we will continue to see the numbers of those being vaccinated in our priority groups increase day-on-day. Over the next three weeks, Wales will receive further doses of the two approved vaccines to help protect people who are most at-risk.

Our NHS has delivered over 86,039 vaccines with only 1% wastage in the first few weeks of a national vaccination programme that is unprecedented in the scale and pace required. Our NHS has only been able to do this by working with key stakeholders – local government, the military, other public services, businesses and volunteers. This concerted multi agency effort is continuing and our scale of delivery is growing all the time so that we can protect more of our most vulnerable population every day. We know that we are all in a race against the virus to protect and save as many lives as possible.

Our message remains; please do not contact your health board, GP, pharmacists or local authority for an appointment, you will be contacted when it is your turn.

In the meantime, we all need to continue to follow the rules and guidance in place to keep ourselves and our families safe. This means meeting as few people as possible, washing our hands regularly, wearing a face covering and keeping our distance from others.

## SECTION 2. Overview and where we are now

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Our national strategy builds upon the plans already in place within each of our seven Health Boards and provides more detail about our programme. It is intended to set out Wales' path for the coming months as the numbers of those being vaccinated ramp up significantly.

It is important to be clear about the supply challenges and that the logistics around the first vaccine in particular held challenges for cold chain maintenance and distribution. Health boards are operating to a 'just in time' vaccine delivery mechanism as supply arrives. They have been building delivery infrastructure and recruiting workforce, including primary care support, to the vaccination centres for this vaccine.

With supply details for both new vaccines becoming firmer, we can now set out more clearly our national strategy and ambitions.

The national strategy is focussed on these key areas:

- **Our priorities** – we continue to work closely with the UK Government on supply. Based on what we know about supply and the priority cohorts set by the JCVI, we have set key milestones (section 3);
- **Our vaccination infrastructure** – making sure that people can access their vaccination offer - the places to go to get vaccinated, people to give the vaccination and the appointment and digital recording and reporting system set up (section 4);
- **Keeping up to date and informed about the vaccination programme** – we are committed to providing information to keep everyone in Wales updated about the vaccination programme (section 5).

In line with the Welsh Government's approach to responding to latest clinical, scientific and other evidence during this pandemic, this national strategy will be reviewed regularly.

### Where we are now

Our vaccination roll out is designed to meet the challenge of the biggest vaccination programme

in history – to go as fast and as safely as possible and with minimum waste of the hard won vaccines. As with our responses to the Covid-19 pandemic, this is predicated on making use of the expertise of the NHS in delivering vaccinations, including the annual influenza vaccine.

NHS Wales developed very detailed plans and strategies in preparation for the COVID-19 programme. The successful launch of the programme for the Pfizer BioNTech vaccine on 8 December shows the effectiveness of those plans.

On 4 January, the Oxford AstraZeneca vaccine was rolled out in Wales. This means we can get a vaccine to those who need it most much more quickly than we could in those first initial weeks with just the Pfizer BioNTech vaccine, which has limitations and logistical challenges. We are now able to deliver to some of those groups that had been more difficult to reach with the first vaccine. Care Home and GP distribution to reach the over 80 year olds is being expanded and we are engaged with pharmacies and other primary care professionals to rapidly expand further.

Using the expertise of our NHS in delivering vaccines, each Health Board has been planning for and working on boosting the workforce, ensuring training requirements are met, JCVI and other guidance followed, logistics for vaccine consumables and PPE, as well as the supporting infrastructure required to deliver the Programme.

This is a whole NHS Wales approach, with Welsh Government working closely with Public Health Wales on all medical, technical and public health aspects, NHS Wales Informatics Service has designed and delivered on a new vaccine IT solution for Wales, which will endure long after this programme has completed. NHS Wales Shared Services, the Welsh Blood Service and Welsh Courier Service have all been vital to logistics and distribution. NHS Trusts have participated with health boards in vaccinating and administrative support. The Military have assisted us with aspects of planning and delivery in order to meet our greatest peacetime health challenge since smallpox.

Our vaccine deployment has only been underway in the UK for just over a month and we have:

- **Made significant progress in building the vaccination infrastructure in all parts of Wales** needed to deploy both the Pfizer BioNTech and AstraZeneca vaccines (section 4). Having started with **7 vaccination centres** – 1 in each health board area, the number grew initially to 14 and is currently at 22 with additional centres planned in the coming weeks. With the addition of primary care, as set out in section 4, we will be able to move even faster;
- **Designed and put in place a single digital appointment system** which can appoint, capture data on vaccines given, safety concerns, adverse events, wastage and more;
- **Administered the first dose of the vaccine to over 80,000 people** in Wales in just over a month.

## SECTION 3. Our Priorities

Our priority list of people to receive the vaccine has been agreed by endorsing the UK's independent Joint Committee on Vaccination and Immunisation (JCVI). The same priority list is being followed by all four nations in the UK (at annex 1) and has the support of all 4 Chief Medical Officers (CMOs) within the UK.

Protecting the vulnerable has always been at the heart of our response to the pandemic and now at the forefront of our fightback against this terrible disease. This is why vaccinating care homes and the over 80s will be a continuing focus, now boosted by the availability of the Oxford AstraZeneca vaccine.

It is also imperative that we protect our NHS and social care to maintain resilience and be there when our most vulnerable citizens need it. Alongside the most vulnerable in our communities, we are, therefore, committed to keeping our frontline NHS and social care workers safe to enable them to look after us.

The JCVI guidance advises that those frontline health and social care workers at higher risk of acquiring the infection or transmitting it to multiple vulnerable persons because of their individual or setting characteristics will be higher priority for vaccination than those at lower risk. The announcement of 8 January recognises that some staff in schools and colleges provide intimate health and care support to groups of young people who have complex medical needs. In Wales these staff will be captured under the health and social care category.

The JCVI are currently considering prioritisation for the second phase of the roll out, following vaccination of all JCVI cohorts 1-9. This includes consideration of prioritisation vaccines for specific occupational groups where individuals have not already received the vaccine due to individual characteristics such as age or being clinically vulnerable.

We could set aside the recommended priority approach of the independent expert JCVI and re-prioritise certain specific occupational groups. However that would mean that citizens more vulnerable to harm including mortality would

wait more time and be at greater risk of exposure to virus. In short the clear public health advice is that such an approach is likely to cost lives. If the public health advice of the JCVI and CMOs changes we will of course reconsider our approach.

### Priority Group Milestones and Markers

We are setting **3 key milestones** to drive our efforts. These milestones are all dependent on **vaccine supply**.

#### PRIORITY GROUP MILESTONES

- **Milestone 1 – by mid February – cohorts 1 - 4.**  
Subject to supply, our aim is to offer vaccination to all care home residents and staff; frontline health and social care staff; those 70 years of age and over; and clinically extremely vulnerable individuals.
- **Milestone 2 – by the Spring – priority cohorts 5 – 9.**  
Subject to supply, which becomes more uncertain further into the future, our aim is to offer vaccination to all Phase 1 priority cohorts (i.e. 50+s and clinically vulnerable/at risk).

Priority groups for coronavirus (COVID-19) vaccination: advice from the JCVI, 30 December 2020 - GOV.UK ([www.gov.uk](http://www.gov.uk))

It is estimated that taken together, these at risk groups represent around **99%** of preventable mortality from Covid-19.

- **Milestone 3 – by the autumn**  
Our ambition is to offer vaccination to the rest of the eligible adult population according to the further JCVI guidance that will be produced on priorities. We do not yet know supply for this phase, so there is further planning to do on this milestone that will take account of supply and the further JCVI guidance.

We are also setting some early **markers** to achieve en route to meeting the first milestone:

## Markers

- Marker 1.** All Welsh Ambulance Service staff – by 18 January
- Marker 2.** All Care Homes – by the end of January
- Marker 3.** GP surgeries to increase from 100 to 250 by the end of January providing vaccine to the vulnerable closer to their homes as availability of the Oxford AstraZeneca vaccine increases

## Supply

Our plans are dependent on Wales receiving vaccine supplies in fair proportions and in fair time. Whilst supply is a matter outside of our control, the UK Vaccines Minister has provided assurance on future supplies and we will keep in close contact with the UK Government and vaccine manufacturers to ensure supply remains secure.

To date, Wales has received 280,000 doses of the Pfizer BioNTech vaccine and 47,000 doses of the AstraZeneca vaccine.

On 31 December we were able to double the number of individuals who can be vaccinated

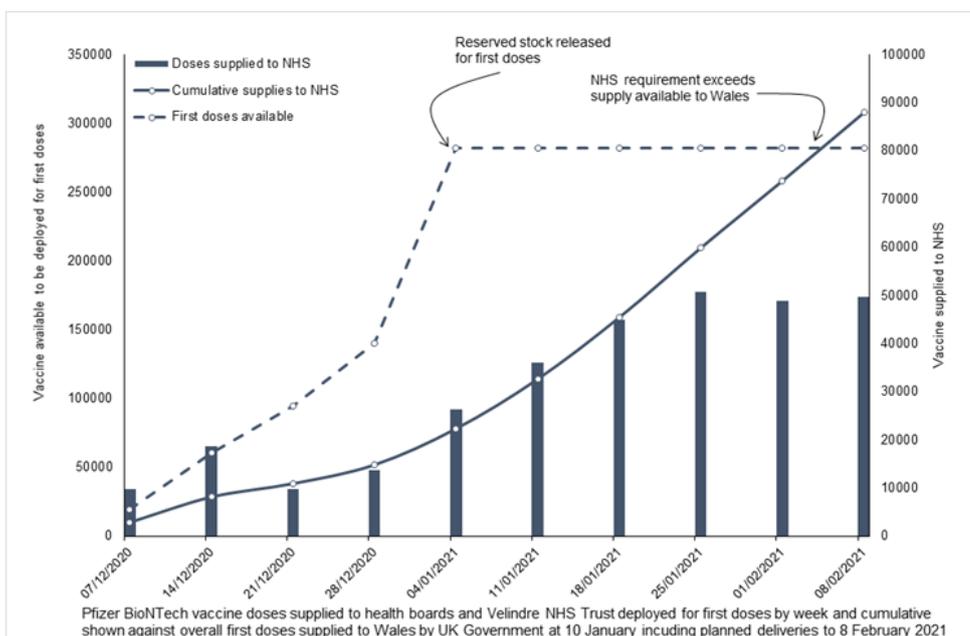
in the first three months of our plan as a result of the change in position by the Medicine and Healthcare products Regulatory Agency (MHRA) and the JCVI.

The decision to extend the interval between vaccine doses to up to 12 weeks and to allow vaccine previously reserved for second doses (50%) to be deployed immediately, has allowed us to increase capacity to deliver the Pfizer BioNTech vaccine in particular.

Plans are in place to increase the number of doses of the Pfizer BioNTech vaccine delivered by the NHS to around 50,000 each week by the end of January; almost doubling the rate at which the vaccine is currently being used. Our plan will exceed Wales' current supply of the vaccine by the end of week commencing 8 February highlighting the importance of guaranteed vaccine supply (Figure one).

Every dose of the Oxford AstraZeneca vaccine allocated to Wales is being delivered directly to GPs, other primary care providers including pharmacies, and hospitals as soon as it is available. To date we have received relatively small volumes. We know many GPs and others are ready and able to use as much of this vaccine as can be supplied by UK Government. Whilst we are confident supply will increase significantly in the next few weeks, if we had more we could increase coverage rapidly.

**Figure 1:** Pfizer BioNTech vaccine doses supplied to health boards and Velindre NHS Trust/Wales



## SECTION 4. Our Vaccination Infrastructures - Where and How to Get Vaccinated

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### The vaccination delivery model

We have been building an infrastructure from the ground up. That includes a bespoke and robust digital infrastructure for booking appointments, recording, and reporting on vaccination activity.

The delivery model built by NHS Wales is a blended model. This is aimed at providing a mix of sites in order to maximise speed of roll out, ensure safety, meet the needs of the characteristics of the vaccines, be as conveniently located as possible and, importantly make sure we give equitable access across the country and all communities. This model is also intended to get the vaccines into our care homes and to our older populations as soon as possible.

That means we have a mix of mass vaccinations centres (MVCs), primary care surgeries and mobile units:

- High throughput through **Mass Vaccination Centres (MVCs)**, which are crucial in handling the characteristics of the Pfizer BioNTech vaccine. MVCs will continue to be important, despite the coming on stream of primary care, because of the Pfizer BioNTech complexities and because of the numbers as we move through the cohorts, especially during phase 2. **Centres** will, in the next couple of weeks, increase to 35, with a blend of mass centres and smaller satellite centres. Health boards are actively considering more centres as we look to have at least **one vaccination centre in each county of Wales**. At the same time, capacity at centres is increasing. Our health boards have planned their vaccination centres to flex their opening times based on vaccine supply. Therefore as the vaccine supplies increase more and more will be open for longer days and over 7 days per week. Over the past week, **90%** of our vaccine centres have been open over the weekend. General practice has also planned to open on evening and weekends and as vaccine supply increases so will their hours and days of vaccine delivery;
- Local convenience, safety for older and vulnerable groups and reach into communities through **primary care**. A mechanism has been put in place to enable all primary care contractors (General Practice, Community Pharmacy, Dentistry and Optometry) to play a role in vaccine deployment. GP practices and pharmacies in particular are experts at running immunisation programmes and have the existing infrastructure to do so. The primary care community has responded quickly and in the coming weeks we will see primary care take a pivotal role in our vaccine roll out.
- Every year GP practices in Wales deliver many hundreds of thousands of seasonal influenza vaccinations in just a few months. Utilising the expertise, experience and convenience of local GP practices will allow us to reach significant numbers of individuals in the priority groups for vaccination. We are already engaging around **100 GP practices** in delivering the programme and will **increase this to more than 250 before the end of January**. We are aware GPs are ready and able to deploy the Oxford AstraZeneca vaccine as soon as it is available. Given the constraints on supply of this vaccine we will work with health boards and GP practices with the necessary infrastructure to deploy the Pfizer BioNTech vaccine wherever it is feasible to do so, learning lessons from what other counties in the UK and around the world are doing;
- Many community pharmacies have experience providing vaccinations. Whilst the roll out of the COVID-19 vaccination programme poses different logistic challenges for pharmacies (where vaccine has to be supplied in relatively large quantities and used more rapidly), some larger pharmacies will be able to vaccinate on-site and staff from others will support efforts at MVCs. Again, this will depend on having adequate supplies of the right type of vaccine available to meet demand from all parts of primary care.

- Full geographical coverage, especially in rural or 'hard to reach' communities, enabling further reach into communities via **mobile units**, which are particularly important in the immediate term in accessing care homes. The **14 Mobile units** delivered by our community nurses now in place in Wales continue to focus on reaching care homes.

We will continue to expand our vaccination infrastructure. A map has been produced indicating the location of current centres; this will be updated routinely. (See page 10.)

## Making appointments - Welsh Immunisation System

A robust digital infrastructure for scheduling appointments, recording, and reporting on vaccination activity is now in place. All vaccinations in Wales are recorded directly into the Welsh Immunisation System - bespoke software developed by the NHS Wales Informatics Service to meet the needs of the vaccination programme. It makes it easy to rapidly call the people in the highest priority groups to our mass centres, send them text reminders, and make sure that they are called back again for their next doses. It is integrated with the GP record so vaccinators can check allergies and past immunisations - ensuring safety in the programme.

## Workforce – the military, utilising our wider public sector and volunteers

As well as building the physical infrastructure, establishing and mobilising our vaccination workforce as well as creating surge capacity has been underway.

Our mass vaccination centres (MVCs) development has been led by the health boards with extensive support from local authorities in terms of location and site suitability. Staffing models have been developed in great detail with

a multidisciplinary approach which respects the guidance on social distancing, PPE and the complexity of handling the Pfizer BioNTech vaccine. The teams in the MVCs are a collection of experienced immunisers, those with updated training and registered health care professionals who have taken the training required to immunise using the vaccine. Pharmacy support has been critical for the Pfizer BioNTech vaccine due to the cold chain requirement. A number of our MVCs have a broad professional contribution, from both primary, secondary and mental health services.

The support of the military is also in place across Wales and we now have:

- **14 immunisers;** and
- **70 other personnel** supporting at vaccination centres.

There is the possibility that this will be expanded over the coming weeks.

There has been significant interest in supporting health boards with their local programmes and offers from national organisations for use of their premises and staff has been forthcoming. Arrangements are in place with St John Ambulance Cymru and British Red Cross and we are in discussions with other organisations. Health boards are also having conversations with their local authority partners and police.

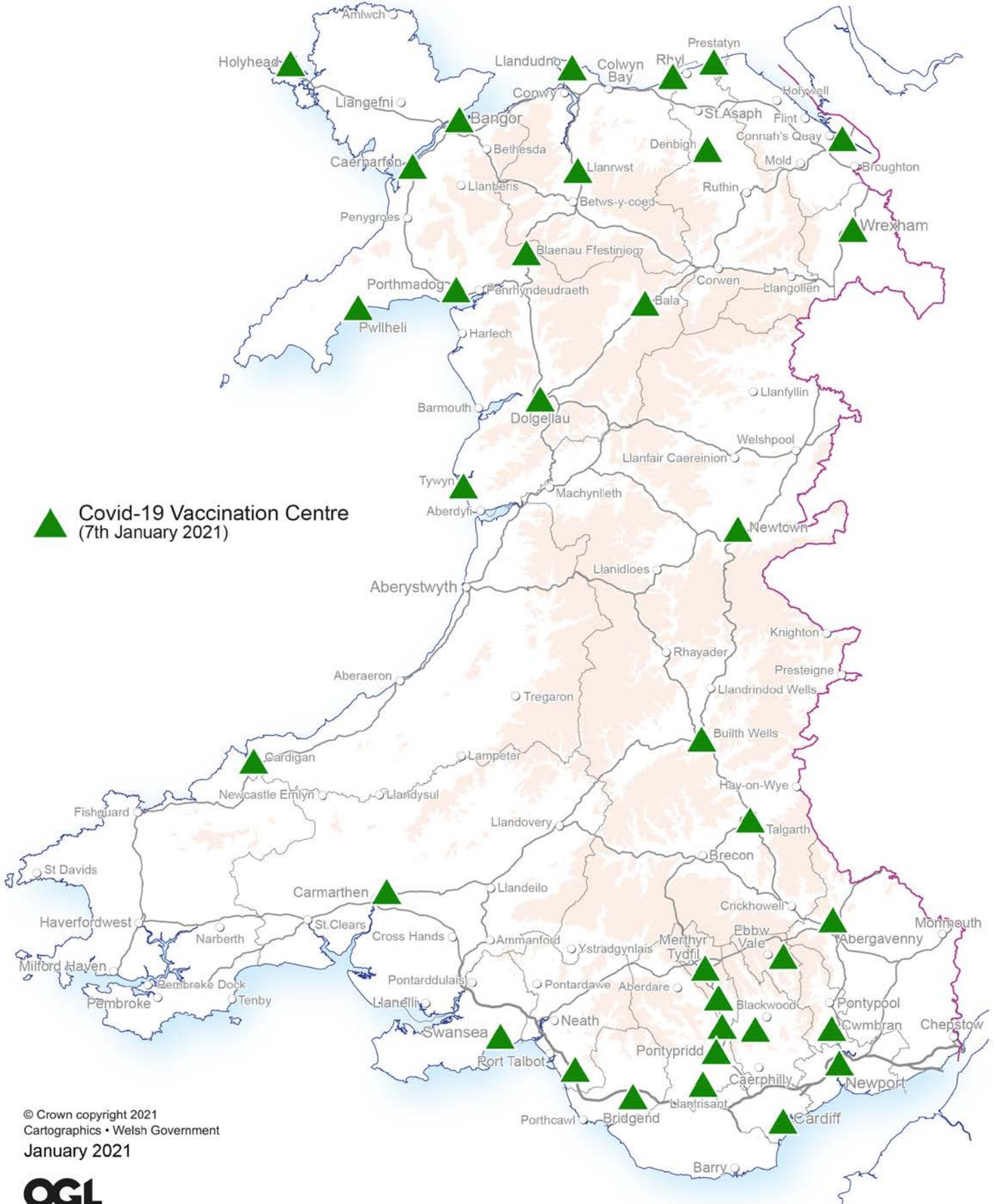
There is an important role here for our retired staff and others with expertise and experience to help with the vaccination roll out. We have put in place arrangements and protocols for people to be able to volunteer:

<https://gov.wales/national-protocol-pfizer-biontech-covid-19-vaccine>

<https://gov.wales/national-protocol-covid-19-astrazeneca-vaccine>

# WALES

## COVID-19 VACCINATION CENTRES



## SECTION 5: Keeping up to date on the vaccination programme

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We know that people will want to be fully informed about the vaccination roll out and about the vaccination itself.

At a national level, we are committed to being transparent and keeping everyone up to date with progress. We are:

- **Releasing data daily** on the number of people who have received vaccinations. This will be published on the **Public Health Wales Rapid COVID-19 Surveillance dashboard\*** Monday to Friday. The daily release will show the total cumulative number of vaccinations administered – for both first and second doses. The daily figures will give a timely update on the roll out of the vaccination programme, although the actual number of people vaccinated will be higher due to ongoing data entry.\*
- Continuing to publish **weekly, more detailed data on vaccinations** through the Public Health Wales Rapid COVID-19 Surveillance dashboard. This will include data at local health board level and will be expanded to cover other topics as more good quality data becomes available, such as take up by priority group.\*

- Begin regular publication of **data on the supply and stock of vaccines** in Wales.
- Planning to publish a **dashboard to summarise and track progress** on the vaccination programme.

To keep individuals up to date about the vaccination roll out and confident to take up their vaccination offer, health boards are also working with local partners, including local government, to keep people informed about vaccination roll out and their place in it. Health boards have written directly to every household in Wales to explain what they can expect in terms of the vaccination programme. Included within this letter is an infographic explaining the priority groups and numbers of the population within each group – so that individuals can assess where they are in the queue as it were.

<https://phw.nhs.wales/topics/immunisation-and-vaccines/covid-19-vaccination-information/about-the-vaccine/>

\* <https://public.tableau.com/profile/public.health.wales.health.protection#!/vizhome/RapidCOVID-19virology-Public/Headlinesummary>

## ANNEX 1

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The priority list to receive the vaccine has been agreed by the UK's independent Joint Committee on Vaccination and Immunisation (JCVI) and is being followed by all four nations in the UK.

There are two phases:

In the first phase, we will vaccinate according to age and risk of serious illness if someone catches coronavirus.

This priority list is as follows:

1. People living in a care home for older adults and their staff carers
2. All those 80 years of age and older and frontline health and social care workers
3. All those 75 years of age and over
4. All those 70 years of age and over and people who are extremely clinically vulnerable (also known as the "shielding" group) – people in this group will previously have received a letter from the Chief Medical Officer advising them to shield
5. All those 65 years of age and over
6. All individuals aged 16 years to 64 years with underlying health conditions\*, which put them at higher risk of serious disease and mortality
7. All those 60 years of age and over
8. All those 55 years of age and over
9. All those 50 years of age and over

**These groups represent around 99% of preventable deaths from Covid.**

### \* Underlying health conditions:

- Chronic respiratory disease, including chronic obstructive pulmonary disease (COPD), cystic fibrosis and severe asthma
- Chronic heart disease (and vascular disease)
- Chronic kidney disease
- Chronic liver disease
- Chronic neurological disease including epilepsy
- Down's syndrome
- Severe and profound learning disability
- Diabetes
- Solid organ, bone marrow and stem cell transplant recipients
- People with specific cancers
- Immunosuppression due to disease or treatment
- Asplenia and splenic dysfunction
- Morbid obesity
- Severe mental illness

In the second phase, further recommendations are awaited from JCVI and we hope the rest of the population in Wales will be vaccinated. The advice from the JCVI is that the focus for this first phase should be on preventing further hospital admissions and vaccinating those people who are at increased risk first.