

Equal percentage of people with and without evidence of prior infection in placebo group became infected (1.3%). "While limited, these data do suggest that previously infected individuals can be at risk of COVID-19 re-infection and could benefit from vaccination."

Figure 2. Cumulative Incidence Curves for the First COVID-19 Occurrence After Dose 1, Dose 1 All-Available Efficacy Population 0.020 Incidence of COVID-19 Occurrenc 0.016 0.012 0.008 0.004 0.000 28 35 119 21 105 112 No. with events/No. at risk A: 0/21314 21/21230 37/21054 39/20401 41/19314 42/18377 42/17702 43/17106 44/15464 47/14038 49/12169 49/591 49/6403 49/3374 50/1463 50/398 P: 0G1258 25G1170 55G0970 73G0356 97/19209 123/18218 143/17578 156/17025 192/15200 212/13876 235/11994 249/9471 257/6294 267/5301 274/1449 275/398 O A: BNT162b2 (30 µg) --- □ B: Placebo Note: "S" indicates subjects with severe COVID-19 or COVID-19 leading to hospitalization PFIZER CONFIDENTIAL SDTM Creation: 17NOV2020 (10:49) Source Data: adc19ef Table Generation: 17NOV2020 (21:40) (Cutoff Date: 14NOV3020, Snapshot Date: 16NOV2020) Output File: /nda2\_unblinded/C4591001\_Efficacy\_FA\_164/adc19ef\_f001\_km\_d1\_aai

# FREQUENCY OF TEMPORARY REACTIONS IN CLINICAL TRIALS BY DOSE AND AGE GROUP, MORE WITH SECOND DOSE, LESS WITH OLDER PEOPLE

Symptom	18-55 year olds		> 55 years	
	Dose 1	Dose 2	Dose 1	Dose 2
Local reaction				
Pain at site	83%	78%	71%	66%
Redness at site	5%	6%	5%	7%
Swelling at site	6%	6%	7%	8%
Systemic				
Fatigue	47%	59%	34%	51%
Headache	42%	52%	25%	39%
Muscle pain	21%	37%	14%	29%
Chills	14%	35%	6%	23%
Diarrhea	11%	10%	8%	8%
Joint pain	11%	22%	9%	19%
Fever	3.7%	16%	1.4%	11%
Vomiting	1%	2%	0.5%	0.7%

3/15 000 people receiving vaccine outside of clinical trial had a severe allergic reaction

### More from FDA Emergency Use Authorization

#### Data points from EUA

- Authorized for use for people 16 years of age and older
- Available data on Pfizer-BioNTech COVID-19 Vaccine administered to pregnant women are insufficient to inform vaccine-associated risks in pregnancy.
- Lactation Risk Summary Data are not available to assess the effects of Pfizer-BioNTech COVID-19 Vaccine on the breastfed infant or on milk production/excretion.
- Immunocompromised persons, including individuals receiving immunosuppressant therapy, may have a diminished immune response to the Pfizer-BioNTech COVID-19 Vaccine.
- There is no information on the co-administration of the Pfizer-BioNTech COVID-19 Vaccine with other vaccines.

#### **Helpful Links**

- Pfizer Website
- Pfizer data briefing document for FDA
- ❖ Full Pfizer-BioNTech COVID-19 Vaccine EUA Letter of Authorization
- \* Fact Sheet for Healthcare Providers Administering Vaccine (Vaccine Providers)
- Fact Sheet for Recipients and Caregivers
- ❖ The Advisory Committee on Immunization Practices' Interim Recommendation for Use of Pfizer-BioNTech COVID-19 Vaccine
- ❖ Interim Clinical Considerations for Use of Pfizer-BioNTech COVID-19 Vaccine
- \* CDCs COVID-19 Vaccination Communication Toolkit for Medical Center, Clinics, and Clinicians

HEALTH AND

#### MORE FROM THE FDA EUA - INGREDIENTS, ALLERGIES

- Ingredients Each 0.3 mL dose of the Pfizer-BioNTech COVID-19 Vaccine contains:
  - 30 mcg of a nucleosidemodified messenger RNA (modRNA) encoding the viral spike(S) glycoprotein of SARS-CoV-2.
  - lipids (0.43 mg (4-hydroxybutyl)azanediyl)bis(hexane-6,1-diyl)bis(2-hexyldecanoate), 0.05 mg 2[(polyethylene glycol)-2000]-N,N-ditetradecylacetamide, 0.09 mg 1,2-distearoyl-sn-glycero-3-phosphocholine, and 0.2 mg cholesterol)
  - 0.01 mg potassium chloride, 0.01 mg monobasic potassium phosphate, 0.36 mg sodium chloride,
     0.07 mg dibasic sodium phosphate dihydrate, and 6 mg sucrose.
  - The diluent (0.9% Sodium Chloride Injection) contributes an additional 2.16 mg sodium chloride per dose.
  - The Pfizer-BioNTech COVID-19 Vaccine does not contain a preservative.
- **Contraindications** Do not administer to individuals with known history of a severe allergic reaction (e.g., anaphylaxis) to any component of the Pfizer-BioNTech COVID-19 Vaccine
- Warnings Appropriate medical treatment used to manage immediate allergic reactions must be immediately available in the event an acute anaphylactic reaction occurs following administration of Pfizer-BioNTech COVID-19 Vaccine.

### CMS Payment Toolkit Information – Reimbursement Landscape

Provider agreement language updated to reflect that the vaccine must be provided at no cost to recipient;

Vaccine cost covered by federal government; administrative costs covered by Medicare, Medicaid, and commercial insurance; HRSA will reimburse providers for COVID-19 vaccines administered to uninsured individuals.

#### Medicaid

 As long as a state is claiming enhanced Medicaid match as part of the Public Health Emergency, the state must cover, without cost sharing, "any testing services and treatments for COVID-19, including vaccines;" this extends to vaccines authorized via EUA.

First dose \$16.94 Second dose \$28.39

#### Medicare

- The CARES Act mandated that Medicare Part B cover a COVID-19 vaccine without any cost sharing in cases where "such vaccine is licensed under section 351 of the Public Health Service Act"; a vaccine authorized by an EUA would not meet this standard.
- To address this gap, CMS

   a new rule on October 28<sup>th</sup>
   guaranteeing Medicare coverage for
   a vaccine approved via EUA; this
   guarantee applies to beneficiaries
   enrolled in both traditional

   Medicare and Medicare Advantage.

First dose \$16.94 Second dose \$28.39

#### Uninsured

- HRSA will reimburse providers for COVID-19 vaccines administered to uninsured individuals, once a COVID-19 vaccine receives either an EUA or full licensure from the FDA.Provider Relief
   Fund (https://www.hrsa.gov/CovidUninsuredClaim)
- Consistent with HRSA's prior guidance regarding treatment services, an individual with public or private health coverage will be deemed "uninsured" for purposes of the HRSA Program if the individual has a form of health coverage that excludes vaccines (e.g., individuals enrolled in a limited Medicaid family planning program).

#### Commercial

 Current law and regulations require vaccines recommended by ACIP to be covered as an Essential Health Benefit without cost sharing.



COVID-19 Vaccine Toolkit

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**GOAL** 

Immunize every person living in North Carolina who is eligible and wants to receive a COVID-19 vaccine

#### **GUIDING PRINCIPLES**



All North Carolinians have equitable access to vaccines



Vaccine planning and distribution is inclusive; actively engages state and local government, public and private partners; and draws upon the experience and expertise of leaders from historically marginalized populations



Transparent, accurate, and frequent public communications is essential to building trust



Data is used to promote equity, track progress and guide decision-making



Appropriate stewardship of resources and continuous evaluation and improvement drive successful implementation

#### Vaccine Distribution Prioritization: Drilldown Framework



Risk-based prioritization based on National Academy of Medicine Framework for Equitable Allocation of COVID-19 and CDC Advisory Committee Immunization Practice. Refined with input from the North Carolina Institute of Medicine Vaccine Advisory Committee. May be revised based on Phase III clinical trial safety and efficacy data and further federal guidance.

Health care workers fighting COVID-19 & Long-Term Care

Health care workers at high risk for COVID-19 exposure based on work duties or vital to the initial COVID-19

High risk of exposure is defined as those caring for COVID-19 patients, cleaning areas where COVID-19 patients are admitted, performing procedures at high risk of aerosolization (e.g., influbation, bronchoscopy, suctioning, invasive dental procedures, invasive specimen collection, CPR), handling decedents with COVID-19 and administering vaccine in initial closed or targeted vaccination clinics

Population includes: nurses, physicians, respiratory techs, dentists, hygienists, nursing assistants, environmental services staff, ENT/ paramedics, home health workers, personal care aldes, community health workers, health care trainees (e.g., medical students, pharmacy students, rursing students), morticians/funeral home staff, pharmacists, public health nurses and public health and emergency preparedness workers who meet the above definition of "high risk of exposure"

targeted vaccination clinics

'high risk of exposure'

Adults with high risk of complications per CDC and staff of congregate living settings Migrant farm and fisheries workers in congregate living settings with 2+ chronic conditions\* or age 65+

Incarcerated individuals with 2+ chronic conditions\* or age 65+ and jail and prison staff

Homeless shelter residents with 2+ chronic conditions\* or age 65+ and homeless shelter staff

Health care workers not included in Phase 1a with 2+ chronic conditions\*

chronic conditions\*

Frontline workers with 2+ chronic conditions\* at high risk of exposure (e.g., firefighters, police, workers in meat packing plants, seafood and pouttry not in congregate housing, food processing, preparation workers and servers, manufacturing, construction, funeral attendants and undertakers not included in Phase 1e, transportation workers, retail workers (including grocery store workers), membership associations/organizations staff (e.g., child care, K-12 and colleges) and workers in government, public health, emergency management and public safety whose functioning is imperative to the COVID-19 response)

Adults age 18+ with 2+ chronic conditions\*

Migrant farm and fisheries workers in congregate livin settings without 2+ chronic conditions\*

Incarcerated individuals without 2+ chronic conditions\*

Homeless shelter residents without 2+ chronic conditions\*

Frontline workers at high or without 2+ chronic conditions

All other health care workers not included in Phase 1a or 1b

Other adults age 18-64 with one chronic condition

All adults age 65+ not included in Phase 1a or 1b

Workers in industries critical to the functioning of society and at increased risk of exposure who are not included in Phase 1 or

K-12 students (supported by data from clinical trials) and college students

Remaining population

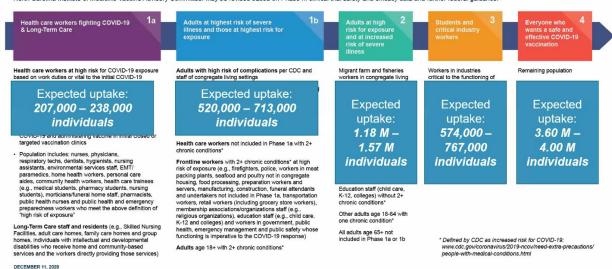
\* Defined by CDC as increased risk for COVID-19: www.cdc.gov/coronavirus/2019-ncov/need-extra-people-with-medical-conditions.html

Long-Term Care staff and residents (e.g., Skilled Nursing Facilities, adult care homes, family care homes and group homes, individuals with intellectual and developmental disabilities who receive home and community-based services and the workers directly providing those services) DECEMBER 11, 2020

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#### **CDC Chronic Conditions**

The chronic conditions at increased risk of severe COVID-19 illness are defined by CDC:

Cancer

Chronic kidney disease

COPD (chronic obstructive pulmonary disease)

Heart conditions, such as heart failure, coronary artery disease, or cardiomyopathies Immunocompromised state (weakened immune system) from solid organ transplant

Obesity (body mass index [BMI] of 30 kg/m2 or higher but < 40 kg/m2)

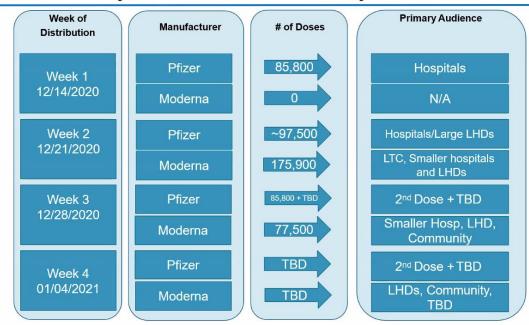
Severe Obesity (BMI ≥ 40 kg/m2)

Pregnancy

Sickle cell disease

**Smoking** 

# DRAFT Weekly vaccine allocation by manufacturer





<sup>\*</sup>Assumption: serving all for LTC partnership

**Access Preview** 

attended by 120+

participants

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And available to

Phase 1a and some

Phase 1b providers

#### Vaccine: COVID -19 Vaccine Management System (CVMS) 12/17 12/10 **CVMS Provider Enrollment Soft CVMS Priority** CVMS MVP Soft CVMS MVP Go-Live CVMS MVP R2 CVMS R3+ Go-Live

Launch for

1a providers

subset of Phase

- Launch invitation to: Goshen Community Health
- Carolina Family Health Centers
- · Rural Health Group
- · Realo Discount Drugs
- · Oak Street Health

## What is CVMS?

CVMS is a secure, cloud-based vaccine management solution for COVID-19 that enables vaccine management and data sharing across providers, hospitals, agencies, and local, state, and federal governments on one common platform

CVMS launched initial functionality on 12/10. Providers will be able to:

- Enroll in the COVID-19 Vaccine Program
- Register their employees for vaccination
- Manage vaccine inventory
- Track vaccine administration data

## Who will use CVMS?

- State officials will enroll providers and verify provider eligibility along with verifying site readiness
- Providers will verify patient eligibility, log dosage administration, and track frequency and timing of additional
- Training for Phase 1a providers started week of 11/30
- Go live 12/10 began to enroll and train more targeted early providers
- Early January Open to others

# Who won't use CVMS?

Go-Live

Additional features

Pharmacies, such as CVS and Walgreens, will not use CVMS to administer and manage vaccines

TBD

Future features and

enhancements

available within

- Pharmacies will use their current systems to report to federal program
- Building capability to ingest vaccine data files from pharmacies into CVMS

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