

### COVID-19 Update and the Asian Community

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Rhona H. Cooper, MSN, MA, RN

Clinical Coordinator

Public Health Preparedness

#### **Overview**

- Background and updates
- COVID-19 vaccines
- Phased approach to distribution
- Impacts on the Asian community in Philadelphia
  - ► Testing

#### Cases

► Vaccinations

#### Vaccine

- Philadelphia is receiving approximately 32,000 doses of vaccine per week, evenly divided between two products and will soon be receiving the Johnson & Johnson product
  - Pfizer, 2 doses provided 21 days apart, 95% effective (2 weeks after #2)
    - Complicated storage that requires ultra-cold temperatures, so distribution is generally limited to facilities that have freezer capacity
  - Moderna, 2 doses provided 28 days apart, 95% effective (2 weeks after #2)
    - Easier to manage, distributed to Federally Qualified Health Centers (FQHCs), pharmacies, other providers
  - Johnson & Johnson, 1 dose, 75% effective (28 days following dose), 100% effective in preventing hospitalization and death!
  - Efficacy means that recipients don't get as sick and less are hospitalized or die.
  - > Someone who has been vaccinated can still transmit the virus!
  - > It is unknown how long protection from vaccines might last

#### What are the Differences in How the Vaccines Work?

- Many vaccines put a weakened or inactivated germ into our bodies to trigger and immune response.
- The Johnson & Johnson product is an adenovirus vector vaccine. It uses the more established approach of employing a harmless cold virus to deliver a gene that carries the blueprint for the spiky protein found on the surface of the coronavirus.
- Both the Pfizer vaccine and the Moderna vaccine use mRNA, a new type of vaccine that teaches our cells how to make a protein—or even just a piece of a protein—that triggers an immune response.

#### Vaccine Side Effects

Both types of vaccines are expected to produce symptoms after vaccination, especially after the 2nd dose of the mRNA vaccines:

- fever
- injection site pain
- headache
- muscle aches
- Indicates vaccine "is working"
- No significant safety concerns were identified in the clinical trials



# PDPH Prioritization Strategy: 1A (est.120,000)

High Risk for Exposure and Transmission to Vulnerable Persons (Patient-Facing HCW <sup>1</sup> )	High Risk of Morbidity/Mortality
Hospital staff	Long-term care facility residents
COVID testing site staff	
COVID vaccination and lab staff	
Long-term care facility staff	
Emergency medical services	
Home health care	
Prison health services	
Outpatient clinics, FQHCs	
Unaffiliated healthcare providers	

#### Vaccination Strategies for phase 1-a

- Occupational health units at hospitals
- PDPH clinics and mobile vaccination teams
- Partnerships with other healthcare providers
  - Pharmacies
  - Clinics
  - Community-based organizations
- CDC Pharmacy Partnership for Long-term Care Facilities

## PDPH Prioritization Strategy: 1B (est. 400,000)

High Risk for Exposure and Perform Essential Duties	High Risk of Morbidity/Mortality
First responders <sup>2</sup>	Persons working in congregate residential settings <sup>8</sup>
Service providers working with high-risk populations <sup>3</sup>	Persons residing in congregate settings <sup>8</sup>
Public transit	Persons age 75+
Food distribution, prep, or service <sup>4</sup>	Persons with high-risk medical conditions <sup>9</sup>
Childcare and education providers <sup>5</sup>	
High volume essential retail <sup>6</sup>	
Manufacturing critical goods <sup>7</sup>	

#### PDPH Prioritization Strategy: 1C

Other Essential Workers But With Lower Risk of Exposure	High Risk of Morbidity/Mortality
Sanitation workers	Persons age 65-74 years
Maintenance/janitorial workers	
Utility workers <sup>10</sup>	
Postal and package delivery workers	
Higher education <sup>11</sup>	
Finance <sup>12</sup>	
Transportation <sup>13</sup>	
Construction	
IT and telecommunications	
Public health	
Legal <sup>14</sup>	

#### Planning for Phases 1B and 1C

- Vaccine distribution strategies
  - Agency-hosted vaccination clinics operated by occupational health or contracted partner organization
  - Retail pharmacies
  - FQHCs and outpatient clinics
  - Mass vaccination clinics
- Pre-registration: https://covid-vaccine-interest.phila.gov/

#### Cases by Race and Age (as of 2/5/21)





\*https://www.phila.gov/programs/coronavirus-disease-2019-covid-19/testing-and-data/#/explore-covid-19-datasets

### Hospitalizations by Race and Age (as of 2/5/21)



Asian	75+	178 (1.2%)
	55-74	237 (2.0%)
	35-54	110 (0.9%)
	20-34	48 (0.5%)

\*https://www.phila.gov/programs/coronavirus-disease-2019-covid-19/testing-anddata/#/explore-covid-19-datasets

#### Deaths by Race and Age (as of 2/5/21)





\*https://www.phila.gov/programs/coronavirus-disease-2019-covid-19/testing-anddata/#/explore-covid-19-datasets



\*https://www.phila.gov/programs/coronavirus-disease-2019-covid-19/vaccines/data/

### THANK YOU!!

