

# WHO SAGE ROADMAP FOR PRIORITIZING USE OF COVID-19 VACCINES IN THE CONTEXT OF LIMITED SUPPLY

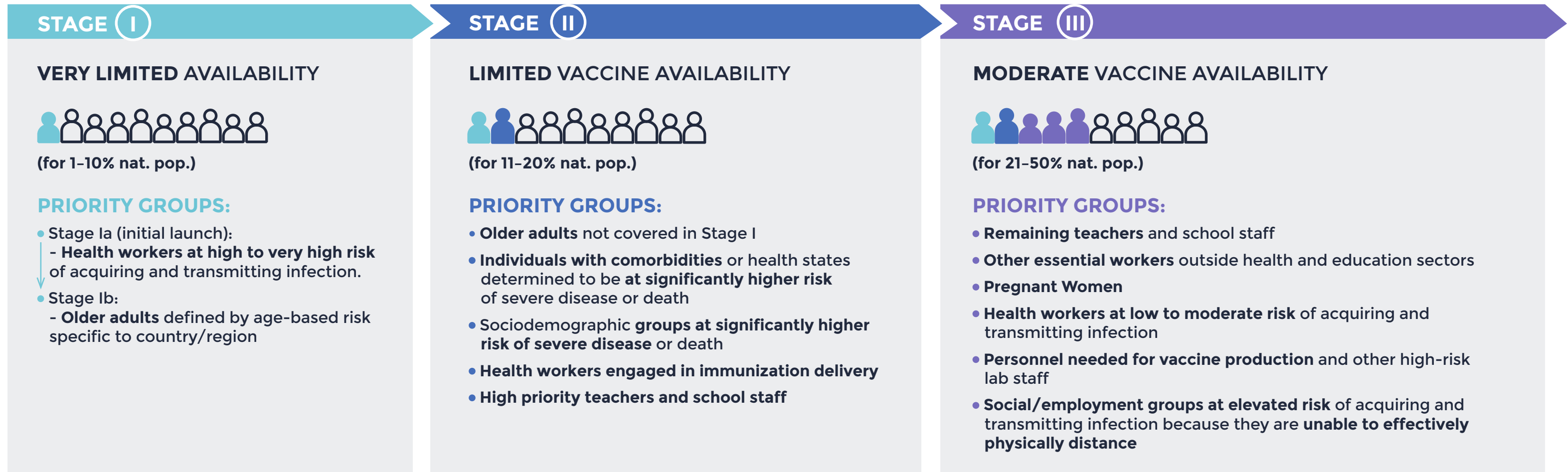
**Living document** Endorsed by SAGE and published Oct 20, 2020.



## EPIDEMIOLOGIC SETTING SCENARIO: 1-COMMUNITY TRANSMISSION

### PUBLIC HEALTH STRATEGY FOR THIS SETTING:

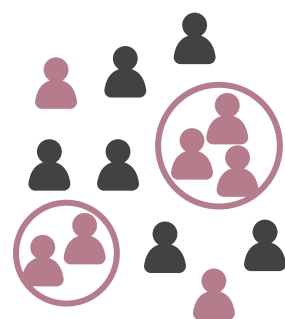
- Direct reduction of morbidity and mortality
- Maintenance of most critical essential services and 'reciprocity'.
- Expansion of reduction in transmission to further reduce disruption of social and economic functions.



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## EPIDEMIOLOGIC SETTING SCENARIO: 2-SPORADIC CASES OR CLUSTERS OF CASES

### PUBLIC HEALTH STRATEGY FOR THIS SETTING:

- Direct reduction of morbidity and mortality
- Maintenance of most critical essential services and 'reciprocity'.
- Expansion to substantially control transmission and minimize disruption of social and economic functions.

#### STAGE I

##### VERY LIMITED AVAILABILITY



(for 1-10% nat. pop.)

##### PRIORITY GROUPS:

- **Health workers at high to very high risk of acquiring and transmitting infection in areas with high transmission or anticipated high transmission**
- **Older adults** defined by age-based risk specific to country/region in areas with high transmission or anticipated high transmission
- **Emergency reserve of vaccines for utilization for outbreak response or mitigation**

#### STAGE II

##### LIMITED VACCINE AVAILABILITY



(for 11-20% nat. pop.)

##### PRIORITY GROUPS:

- **Health workers at high to very high risk of acquiring and transmitting infection in the rest of the country**
- **Older adults** defined by age-based risk specific to country/region in the rest of the country
- **Groups with comorbidities or health states determined to be at significantly higher risk of severe disease or death in areas with high transmission or anticipated high transmission**
- **Sociodemographic groups at significantly higher risk of severe disease or death in areas with high transmission or anticipated high transmission**

#### STAGE III

##### MODERATE VACCINE AVAILABILITY



(for 21-50% nat. pop.)

##### PRIORITY GROUPS:

- **Primary and secondary teachers and school staff in areas with high transmission or anticipated high transmission**
- **Other essential workers** outside health and education sectors in areas with high transmission or anticipated high transmission
- **Social/employment groups at elevated risk of acquiring and transmitting infection because they are unable to effectively physically distance in areas with high transmission or anticipated high transmission**




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## EPIDEMIOLOGIC SETTING SCENARIO: 3-NO CASE

### PUBLIC HEALTH STRATEGY FOR THIS SETTING:

-  Prevention of community transmission and 'reciprocity'
-  Expansion to preserve control of transmission and reduce reliance on most burdensome non-pharmaceutical interventions
-  Protect highest risk individuals in the event of importation-associated outbreaks

### STAGE I

#### VERY LIMITED AVAILABILITY



(for 1-10% nat. pop.)

#### PRIORITY GROUPS:

- **Health workers at high to very high risk** of acquiring and transmitting infection
- **Essential travellers at risk for acquiring infection** outside the home country and reintroducing infection upon return to home country
- **Border protection staff** screening for imported cases and workers for outbreak management
- **Emergency reserve utilization** for focused outbreak response

### STAGE II

#### LIMITED VACCINE AVAILABILITY



(for 11-20% nat. pop.)

#### PRIORITY GROUPS:

- **Health workers at low to moderate risk** of acquiring and transmitting infection
- **All travellers at risk** for acquiring infection outside the home country and reintroducing infection upon return to home country.
- **Emergency reserve of vaccines utilization** for outbreak mitigation

### STAGE III

#### MODERATE VACCINE AVAILABILITY



(for 21-50% nat. pop.)

#### PRIORITY GROUPS:

- **Older adults** defined by age-based risk specific to country/region; specific age cut-off to be decided at the country level.
- **Age groups at high risk of transmitting infection** by age-based risk specific to country/region, specific age cut-off to be decided at the country level.
- **Primary and secondary school teachers and staff.**
- **Other essential workers** outside health and education sectors

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## DEFINITION OF HEALTH WORKERS:

All people engaged in work actions whose primary intent is to improve health.

- **health service providers**, such as doctors, nurses, midwives, public health professionals, lab-, health- and medical and non-medical technicians, personal care workers, community health workers, healers and practitioners of traditional medicine.
- **health management and support workers**, such as cleaners, drivers, hospital administrators, district health managers and social workers, and other occupational groups in health- related activities.
- **health workers employed in long-term care, public health, community based care, social care and home care** and other occupations in the health and social work sectors as defined by the International Standard Industrial Classification of All Economic Activities (ISIC), revision 4, section Q.



### 1 - VERY HIGH RISK CATEGORY

**Jobs and tasks with risk of exposure to aerosols with SARS-CoV-2**

- the settings where performing aerosol-generating procedures are performed on patients with COVID-19, such as tracheal intubation, non-invasive ventilation, tracheotomy, cardiopulmonary resuscitation, manual ventilation before intubation, sputum induction, bronchoscopy, spirometry, and autopsy procedures and
- working with COVID-19 patients in crowded, enclosed places without adequate ventilation.



### 2 - HIGH RISK CATEGORY

**Jobs or tasks with high potential for close contact with people who are known or suspected of having COVID-19, as well as contact with objects and surfaces possibly contaminated with the virus**

- the direct patient care,
- domestic services or home care for people for people with COVID-19.
- entering a known or suspected COVID-19 patient's room,
- providing care for a known or suspected COVID-19 patient not involving aerosol-generating procedures;
- transportation of people known or suspected to have COVID-19 without separation between the driver and the passenger.



### 3 - MEDIUM RISK CATEGORY

**Jobs or tasks with close, frequent contact with the general public or others but that do not require contact with people known to be or suspected of being actively infected with the virus responsible for COVID-19**

**In areas where COVID-19 cases continue to be reported:**

- workers who have frequent and close contact with the people in busy staff work areas within a healthcare facility,
- work activities where safe physical distance may be difficult to maintain,
- tasks that require close and frequent contact between co-workers.

**In areas without community transmission of COVID-19,**

- frequent contact with people returning from areas with known higher levels of community transmission.



### 4 - LOW RISK CATEGORY

**Jobs or work without frequent, close contact with the public or others**

- performing administrative duties in non-public areas of healthcare facilities,
- away from other staff members,
- telehealth services in individual offices

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