- Persons aged 16–64 years with medical conditions *that increase the risk* for severe COVID-19

- All other essential workers, including:

    - transportation and logistics
    - water and wastewater
    - food service
    - shelter and housing (e.g., construction)
    - finance (e.g., bank tellers)

    - information technology and communications
    - energy
    - legal
    - media
    - public safety (e.g., engineers)
    - public health workers

- Review background for Idaho Group3/ACIP Phase 1c

- First round:
  - Pick from four approaches
    - Follow ACIP Phase 1c
    - Follow ACIP Phase 1c with ranking populations
    - Modify ACIP Phase 1c with ranking populations
    - Completely different approach

- Second round:
  - Take two votes for new population groups not yet considered
    - Will need further discussion and consideration on placement depending on round one of voting

- Later considerations for next meeting:
  - Other essential workers clarifications

High-risk medical conditions that increase the risk for severe COVID-19

"High-Risk Conditions" refers to medical conditions which are considered by the CDC to increase risk of severe illness from the COVID-19 virus.*

- Cancer (having cancer)
- Chronic kidney disease
- COPD (chronic obstructive pulmonary disease)
- Down Syndrome
- 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/m^2 or higher but < 40 kg/m^2)
- Severe Obesity (BMI ≥ 40 kg/m^2)
- Pregnancy
- Sickle cell disease
- Smoking [current or former cigarette smoker, https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html#smoking]
- Type 2 diabetes mellitus

*https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html

- Data from BRFSS account for people with one or more conditions
- Cancer (having cancer)
- Chronic kidney disease
- COPD (chronic obstructive pulmonary disease)
- Down Syndrome
- 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/m^2 or higher but < 40 kg/m^2)
- Severe Obesity (BMI ≥ 40 kg/m^2)
- Current pregnancy
- Sickle cell disease
- Smoking [current or former cigarette smoker, https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html#smoking]
- Type 2 diabetes mellitus

Blue = Idaho Behavioral Risk Factor Surveillance System (BRFSS)

Green = multiple other data sources

- <mark>Cancer</mark>
  - Resident cases (all ages): **9,576** (invasive or in situ, with exclusions) (2018 CDRI), [est. <100 pediatric]
  - Note: Adults receiving chemotherapy: ~**6,000** (2018, CDRI 10/21/20)
- <mark>Down Syndrome</mark>
  - Adults in developmental disability waiver: **4,510** (IDHW Facts, Figures, Trends SFY 2018)
- <mark>Sickle cell disease</mark>
  - ~ **77** (estimated 1 per 365 African-American births, 1 per 16,300 Hispanic-American births; applied to Idaho Census estimates 2019 for Black and for Hispanic/Latino without consideration for lifespan)
- <mark>Smoking (former)</mark> 2019 BRFSS
  - Former: **302,583**

- Challenging to have accurate population estimates
- No single data source
- Data in next slide represent the following, selected conditions:
  - Kidney Disease
  - COPD/Emphysema/Chronic Bronchitis
  - Angina/ Coronary Heart Disease
  - Current Pregnancy
  - Current Cigarette Smoking
  - Diabetes (includes Type 1 and Type 2)
  - Obesity (BMI $\geq$ 30)
  - Heart Attack

*Aggregate available data from 2018–2020.

Population Estimates for **Selected** High-Risk Medical Conditions in Idaho

	Idaho Adults aged _18-49_ with medical conditions which increase risk of severe COVID-19 complications, BRFSS 2018-2020 (aggregate)	**Idaho Adults aged _50-64_ with medical conditions which increase risk of severe COVID-19 complications, BRFSS 2018-2020 (aggregate)**
One high-risk condition	243,590	106,531
Two or more high-risk conditions	54,377	61,833
At least one high risk condition [sum of above]	297,967	168,364

Notes: Idaho Behavioral Risk Factor Surveillance System (BRFSS) = adult health-related telephone survey of Idaho residents regarding their health-related risk behaviors, chronic health conditions and use of preventive services; not representative of the entire CDC list of high-risk conditions only conditions for which we had solid population estimates by age categories.

Option	Persons to be Included	Estimated Idaho Population Group Size (Based on category of condition, what we know about pop numbers and age)
A	Align with ACIP: Persons 16-64 years of age with Medical Conditions _and_ Essential Workers	297,967 (16-64 w/ at least one high-risk medical conditions) + 82,844 (other essential workers) = **380,811**
B	Persons 50-64 years of age with at least one High-Risk Medical Conditions as defined by CDC _and_ Essential Workers	168,364 + 82,844 (other essential workers) = **251,208**
C	Persons 50-64 years of age with at least one High-Risk Medical Conditions as defined by CDC _before_ Essential Workers	**168,364**
D	Age group only	• 55-64 next = **218,360** • then, 45-54 = **201,766** • then, 35-44 = **227,172** • then, 25-34 = **236,490** • then, 18-24 = **164,406**

Option	Persons to be Included	Estimated Idaho Population Group Size
A	Persons residing in congregate settings not already included (e.g., jails, prisons, certain group homes, other)	**13,182+** Correctional and detention facility adult residents not already included: **12,695** Group housing for persons in recovery or with mental illness that do not require hospitalization: **487+** 　　SHIP housing = 211 beds; 　　Transitionalhousing.org lists 23 homes for Idaho (not SHIP). Estimate 12 　　beds/home = 276 beds. Seasonal workers not already included who live in group housing. Unknown number at this time, varies with season.
B	Persons 50–64 years old living in multi-generational households	There are ~18,788 multigenerational households in Idaho. (ACS 2019). The number of persons aged 50–64 in these households is not available. The term multigenerational requires 3 generations; likely most of these households have at least one person in this age group.