



COVID-19 Vaccine Roll-out

Allocation Subcommittee Materials

Goals for today

Goal

Develop the committee's recommendation for Phases 1b and 1c in the State of Connecticut

Additional considerations

Goal for Phase 1b to comprise not more than 800,000 total individuals (~10 weeks @ 60% coverage)

The committee is currently charged with determining “who” can receive vaccine – but after recommendations, this committee can review the “how”



Reminder: Current Phase 1a in Connecticut

Healthcare personnel: All paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials – *includes home health workers, PCAs, death care workers, and more*

Residents of long-term care facilities: Nursing home, assisted living, HUD202, and more

Medical first responders: EMS responding to medical 911 calls, involved in patient care



Reminder: ACIP has released guidance for 1b & 1c

No guidance yet released for Connecticut

ACIP guidelines

Connecticut

Phase 1b

Individuals 75 and older
Frontline essential workers

Phase 1c

Individuals 65-74
Other essential workers
Persons aged 16-64 years with medical conditions that increase the risk for severe COVID-19

No final decisions about Phase 1B have yet to be made for Connecticut

Connecticut Allocation Subcommittee: Dec 21 meeting

Affirm the ACIP 1b recommendation:

- **Individuals 75 and older**
- **Frontline essential workers**

Consider also the following groups (for discussion today)

- Residents of congregate settings
- Vulnerable individuals within a household as well as the individuals caring for them
- Individuals with comorbid conditions that put them at higher risk of hospitalization or death
- Healthcare workers that have been providing telemedicine whose patients would benefit from face-to-face care (certain groups of behavioral care workers)



ACIP Process

10 public ACIP meetings

28 COVID-19 Work Group meetings

Evidence: Scientific, Implementation, Ethical

External Expert Advice: National Academies of Science Engineering Medicine; Academic Reports; International Recommendations

Public Input: Focus groups; Population surveys; ACIP public comment and federal register

CT Process

Public meetings

Review of ACIP proceedings

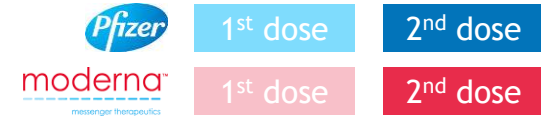
>100 letters from interested parties, including:

- Individuals with disabilities
- Uncompensated care takers
- Workforce groups
- Advocacy groups
- Elderly individuals



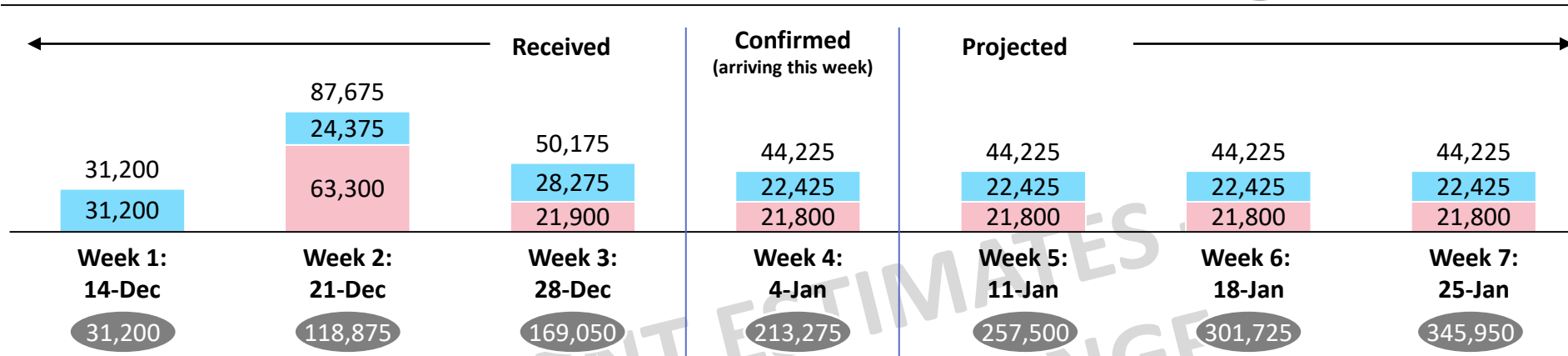
State of CT Dec. & Jan. supply planning

CURRENT ESTIMATES | DO NOT SHARE | LIKELY TO CHANGE



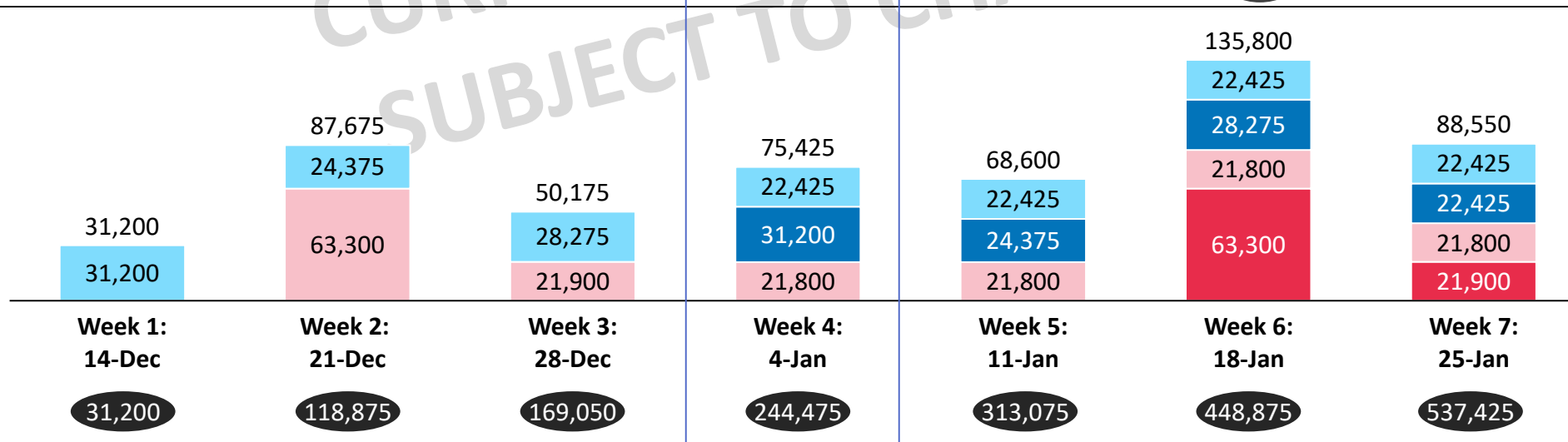
Number of first doses (potential to begin vaccination)

= Cumulative Total



Number of total doses (including first and second doses)

= Cumulative Total



Take all numbers with a grain of salt! Data is to preliminary and changing frequently

Second dose lag time reflects 21-day period for Pfizer and 28-day period for Moderna

Number of first doses indicates population that can be reached. Number of total doses reflects throughput / capacity required

Sources: Pfizer & Moderna first week doses based on numbers reported to CT in Tiberius planning tool. Following week doses are based on projections of total US capacity offered by OWS.



Segment sizes aligned to CT & ACIP phases

Data is estimated & preliminary

	Segment	Size (thousands)	Size assuming 80%, 60% coverage		Timing (assuming 50k / week)
			80%	60%	
Phase 1a (CT Phase)	Healthcare providers (e.g. hospital, outpatient, home health, etc)	183	146	110	~4-5 weeks
	Long-term care facility residents	57	46	34	
	Long-term care facility staff	57	46	34	
	Medical first responders (e.g. EMS)	25	20	15	
	Estimated Total Phase 1a*	323	258	194	
ACIP 1b	Adults 75+	276	221	166	~9-10 weeks
	Frontline essential workers** (see next page for discussion of categories)	528	422	317	
	Estimated Total Phase 1b*	804	643	483	
Congregate	Other congregate settings (e.g. corrections, inpatient, etc.)	46	37	28	~1 weeks
ACIP 1c	Adults 65-74	353	282	212	~13-14 weeks
	Other essential workers** (see next page for discussion of categories)	430	344	258	
	Persons aged 16-64 with one or more comorbidities	362	289	217	
	Estimated Total Phase 1c*	1,145	915	687	
Phase 2	Estimated Total Phase 2*	1,247	999	747	
Overall Totals	Total population	3,565	2,852	2,139	

*Phase totals differ slightly from segment totals due to rounding. Phase totals are also likely an overestimate due to overlap between segments (e.g. frontline essential workers and 16-64 with comorbidities).

**See breakdown of essential workforce categories on next page for discussion.



Congregate settings

Nearly all staff will be eligible with Phase 1b; Resident eligibility to be determined

		1a	1b	1c
		HCPs & LTCFs	75+ & Frontline Essential	65+, Essential workers, People with comorbidities
LTCF	Nursing homes	Residents, Staff		
	ASL	Residents, Staff		
	HUD202	Residents, Staff		
	CCRCs (w/SNFs)	Residents, Staff		
	ICFs	Residents, Staff		
	Veteran's Homes	Residents, Staff		
Corrections	Correctional institutions	Medical staff	Staff	
	Halfway houses & Re-entry assisted community housing		Staff	
DSS	Residential care homes	Medical staff	Staff	
DDS	Community Living Arrangements		Staff	
	Community Companion Home		Staff	
	Continuous Residential Supports		Staff	
	Individualized home supports	Medical staff	Staff	
	Regional Center	Medical staff	Staff	
	Southbury Training School	Medical staff	Staff	
DMHAS	Mental health inpatient	Medical staff	Staff	
	Sober houses	Medical staff	Staff	
	Substance abuse treatment facilities	Medical staff	Staff	
DCF	Solnit campus (psychiatric residential treatment facilities for <18)	Medical staff	Staff	
Other	Homeless shelter	Medical staff	Staff	

Total congregate care population is roughly ~46,000

Recommendation on corrections institution and overall direction on other sites is requested



Essential Workforce Categories

Proposed Phase 1b and 1c categories by race / ethnicity

Frontline Essential Workers (1b)

Workforce Category	Category Total (Thousands)	NH White (%)	NH Black (%)	NH Asian (%)	NH Other Race (%)	Hispanic/Latinx (%)
First Responders	30	80%	8%	3%	1%	8%
Transportation, Logistics, and Delivery	226	42%	18%	2%	1%	37%
Teachers and Staff	210	76%	7%	1%	1%	15%
Manufacturing Workers	43	62%	6%	5%	1%	26%
Department of Corrections	4	57%	19%	< 1%	2%	22%
Food and Agriculture Workers	15	55%	4%	2%	1%	37%
Phase 1b Total	528	63%	8%	3%	1%	24%

Other Essential Workers (1c)

Workforce Category	Category Total (Thousands) ¹	NH White (%)	NH Black American (%)	NH Asian (%)	NH Other Race (%)	Hispanic/Latinx (%)
Media Workers	14	70%	8%	3%	1%	17%
IT / Communications Workers	40	65%	6%	16%	1%	12%
Construction Workers	88					
Food Service Workers	128	50%	9%	6%	2%	33%
Energy Workers	28	78%	6%	2%	1%	13%
Finance Workers	96	73%	6%	6%	1%	13%
Public Safety Workers	15	65%	11%	1%	1%	21%
Water And Wastewater Workers	1	77%	7%	1%	1%	14%
Legal Workers	20	85%	4%	2%	1%	8%
Phase 1c Total	430	64%	7%	6%	1%	21%
Overall CT State Total	3,565	65.9%	12.2%	5%	2.6	14.3%

Category totals taken from Tiberius. Race ethnicity percentages by job category provided by the Connecticut workers taken from the CT Department of Labor. Job categorization may vary between these sources.

Persons Aged 16 Through 64 With High-Risk Medical Conditions

The data below are intended as planning estimates and have known limitations

CDC High Risk Health Condition	Proxy Measure	Estimated Prevalence among persons aged 16-64
<u>Cancer</u>	Ever had a cancer diagnosis (any) ¹	157,289
<u>Chronic Kidney Disease</u>	Kidney Disease ¹	40,859
<u>Chronic Obstructive Pulmonary Disease (COPD)</u>	COPD ¹	87,164
<u>Down Syndrome</u>	CDC Prevalence Estimate ²	2,971
<u>Heart Conditions (e.g., cardiomyopathies, heart failure, coronary artery disease)</u>	Cardiovascular Disease ¹	88,954
<u>Immune Compromised due to Solid Organ Transplant</u>	Cumulative Organ Transplant Recipients 2015-2020 ³	1,488
<u>Obesity (BMI ≥30 but < 40) and Severe Obesity (BMI ≥ 40)</u>	Obesity plus 1 or more other underlying conditions ¹	149,377
	All Obesity ¹	531,784
<u>Pregnancy⁴</u>	2017 Live Births ⁵	35,012
<u>Sickle Cell Disease</u>	CDC Prevalence Estimate ²	1,086
<u>Former or Current Smoker</u>	Ever smoked plus 1 or more other underlying conditions ¹	204,105
	Ever smoked ¹	765,846
<u>Type II diabetes mellitus</u>	Diabetes (Types I and II) ¹	150,363

1. Based on estimates from the 2018 CT BRFSS 2. CDC prevalence estimate pro-rated to CT population 3. Retrieved from HRSA Organ Transplant and Procurement Network <https://optn.transplant.hrsa.gov/data/view-data-reports/state-data/#> 4. Pregnancy measures were not included in aggregate estimates 5. CT Vital Statistics 2017 tables (updated 11/14/20)



Summary of Persons Aged 16 Through 64 With One or More Underlying Medical Condition

The data below are intended as planning estimates and have known limitations

Prevalence of an Underlying Medical Condition	Number of Underlying Conditions	Size (thousands)	Segment size assuming 80% and 60% coverage	
			80%	60%
	One	117	94	70
	Two	125	100	75
	Three+	120	96	72
	Estimated Total	362	289	217

***How* access is created is as important as *Who* is eligible**

Points of distribution are being mapped & planned against CDC's social vulnerability index

Walk-time / drive-time analysis will be available for vulnerable populations

Planning for clinics with different access profiles (e.g., no pre-registration required) and mobile clinics (e.g., on-site at congregate settings)

About the CDC Social Vulnerability Index

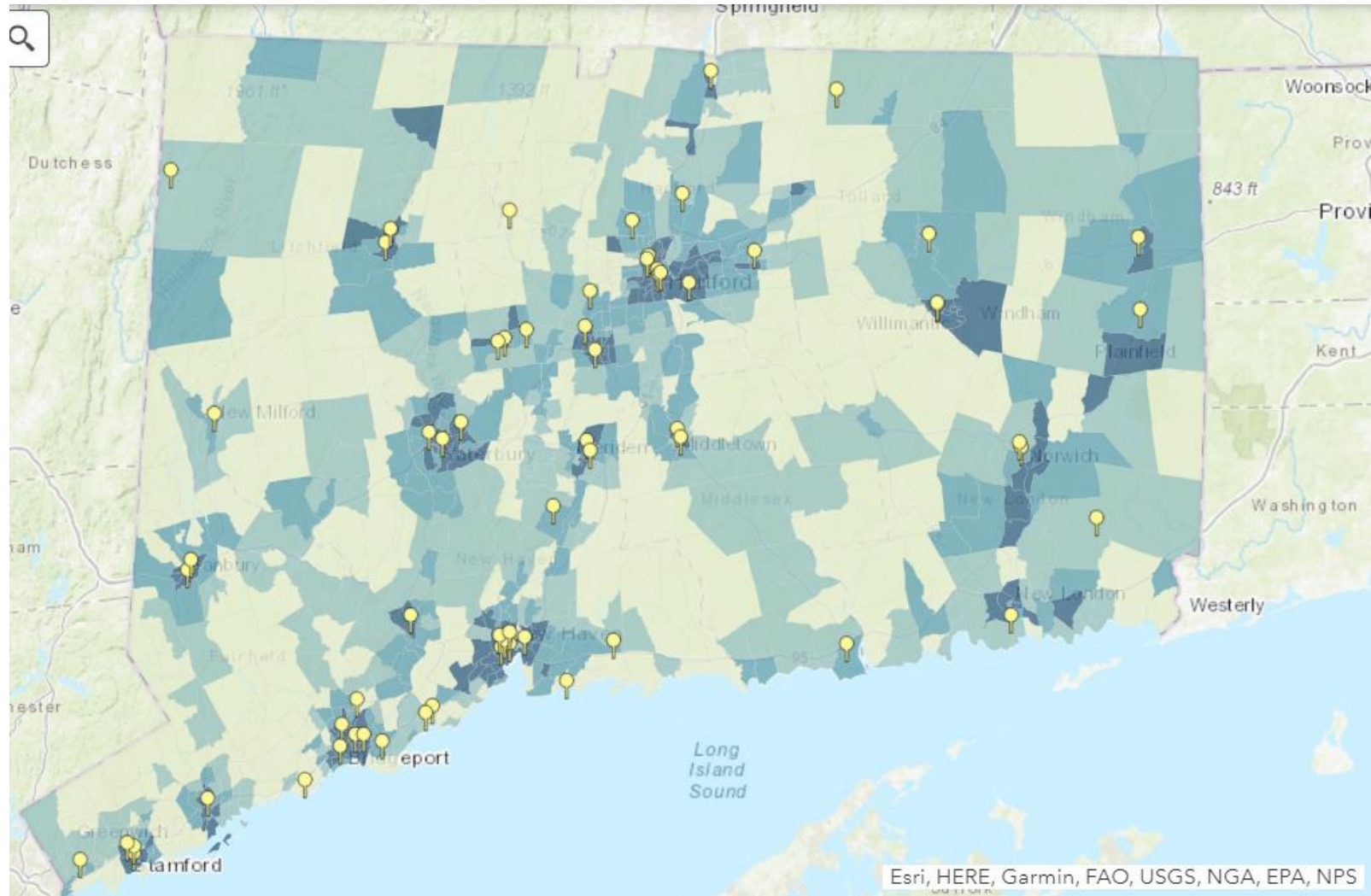
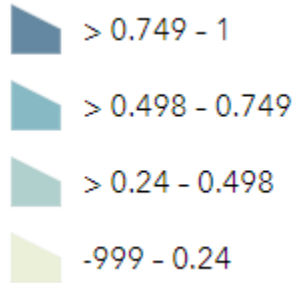
CDC SVI uses U.S. Census data to determine the social vulnerability of every census tract. Census tracts are subdivisions of counties for which the Census collects statistical data.

The CDC SVI ranks each tract on 15 social factors, including poverty, lack of vehicle access, and crowded housing, and groups them into four related themes.

www.atsdr.cdc.gov/placeandhealth/svi/index.html

Current vaccine clinics (Jan 4) mapped against SVI

CDC SVI





Appendix

Additional information



Essential Workforce Categories

Proposed Phase 1b and 1c categories by race / ethnicity¹

Frontline Essential Workers (1b)	Workforce Category	Constituents
	First Responders	Firefighters, Fire Inspectors, Police, Detectives, Criminal Investigators, Ambulance Drivers and Attendants, Dispatchers (Police, Fire, Ambulance)
	Transportation, Logistics, and Delivery	Air, Rail, Water and Ground Transportation Employees (e.g., Pilots, Public Transit Workers, Sailors, etc.), Postal Service Workers, Couriers, Support Staff (e.g., Janitorial Staff)
	Teachers and Staff	Education and Childcare Administrators, Post-Secondary, Pre-K, Elementary, and Secondary School Teachers, Special Education Teachers, Tutors, Childcare Workers, School Bus Drivers, School Psychologists, Other School Staff
	Manufacturing Workers	Industrial Production, Chemical Processing, Textile, Metal and Plastics Workers, Miscellaneous Plant and System Operators, Welding, Soldering, and Brazing Workers
	Department of Corrections	Corrections Officers, Jailers, Correctional Facility Staff
	Food and Agriculture Workers	Farmers, Agricultural Inspectors, Agricultural and Food Scientists, Pest Control Workers, Logging Workers, Food Production (Bakers, Butchers, Meat Processing), Food Cooking Machine Operators and Tenders, Grocery Store Workers

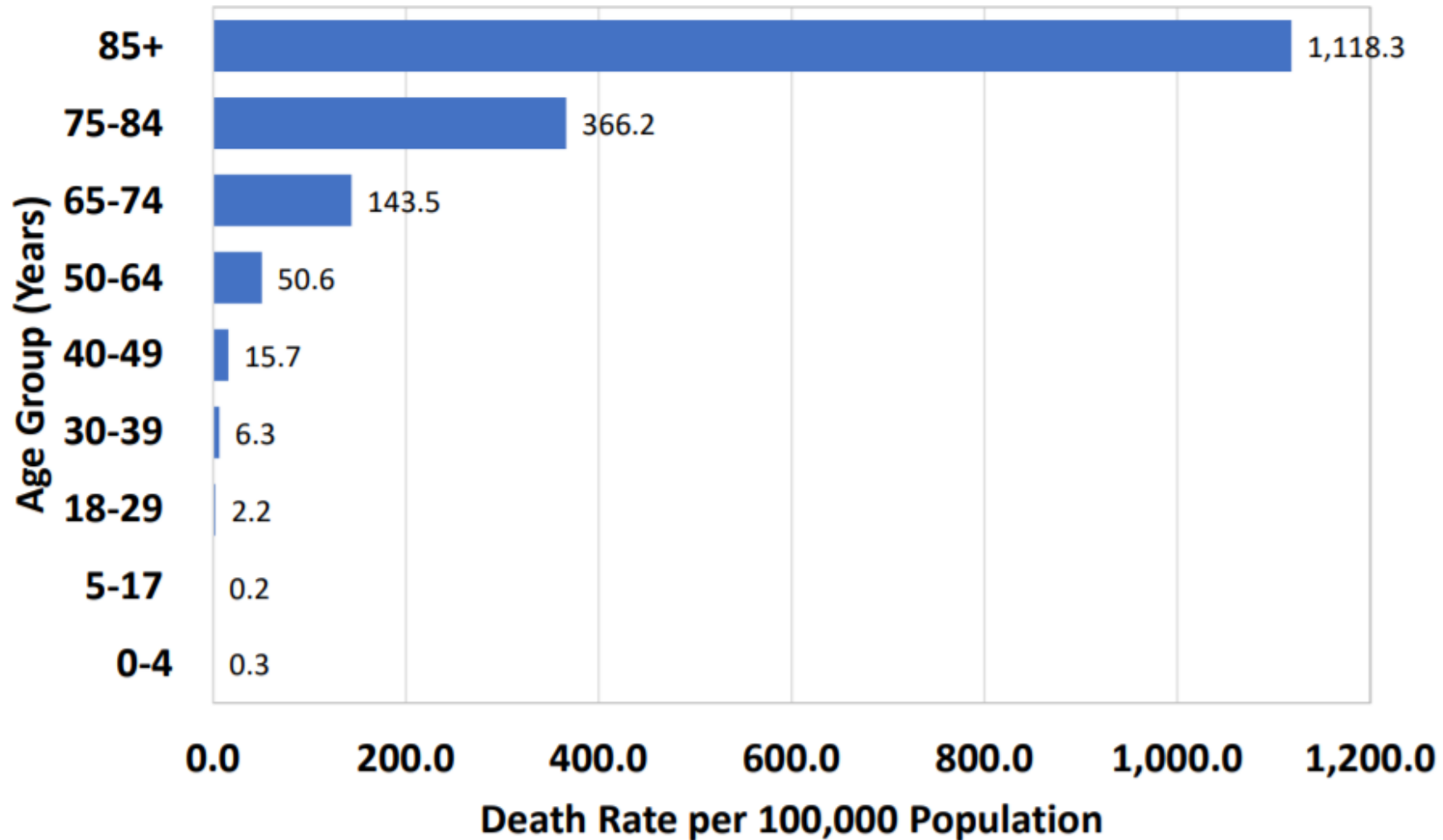
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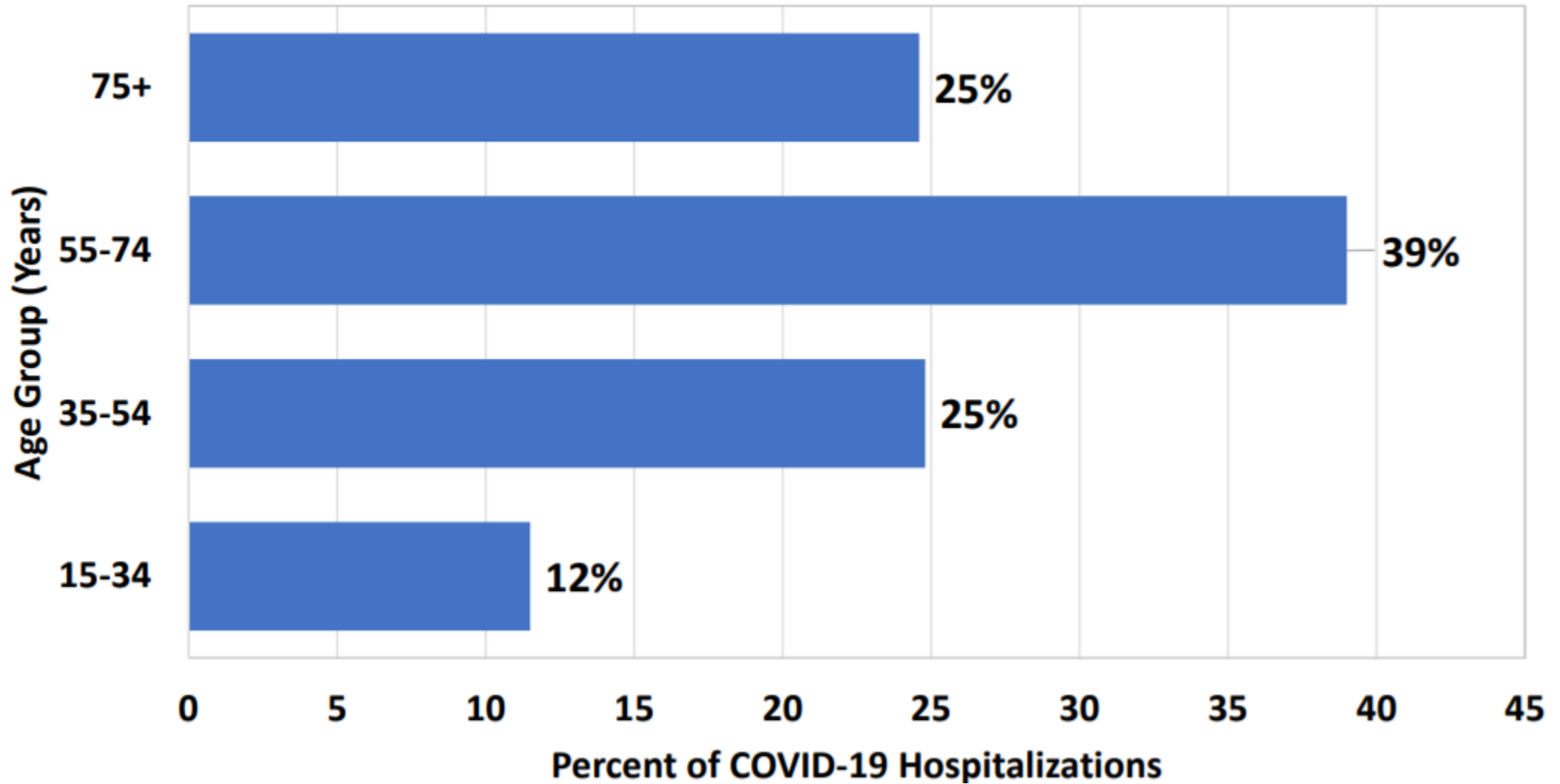
Other Essential Workers (1c)

Workforce Category	Constituents
Media Workers	Public Relations, Technical Writers, Interpreters and Translators, News Analysts, Reporters, and Journalists, Other Media and Communication Workers
IT / Communications Workers	Computer Systems Analysts and Technicians, Information Security Employees, Network Administrators, Switchboard Operators, Dispatchers (except Police, Fire, and Ambulance)
Construction Workers	Contracting and Construction Workers, Plumbers, Roofers, Carpenters
Food Service Workers	Restaurant workers, Dining Room and Cafeteria Attendants, Dishwashers, Lounge/Coffee Shop Workers
Energy Workers	Electrical Workers, Electricians, Power Plant Operators, Distributors and Dispatchers, Power-Line Installers/Repairers
Finance Workers	Bankers and Other Bank Staff, Financial Specialists, Billing, Payroll and Timekeeping Staff, Credit and Financial Analysts, Tax Preparers/Examiners/Collectors, Accountants and Auditors
Public Safety Workers	Civil And Other Engineers, Hazardous Material Removal Workers, Other Non-First Responder Safety Workers
Water And Wastewater Workers	Water and Wastewater Treatment Plant and System Operators
Legal Workers	Lawyers, Judges, Magistrates, and Other Judicial Workers

National estimate of COVID-19 Deaths per 100,000 population



Percent of COVID-19 hospitalizations by age group



Deaths from all causes and deaths from COVID

