

The Corona Virus Pandemic in U.S. Nursing Homes

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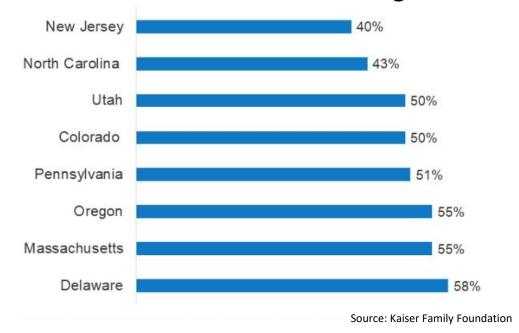
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COVID Fatalities and Nursing Homes

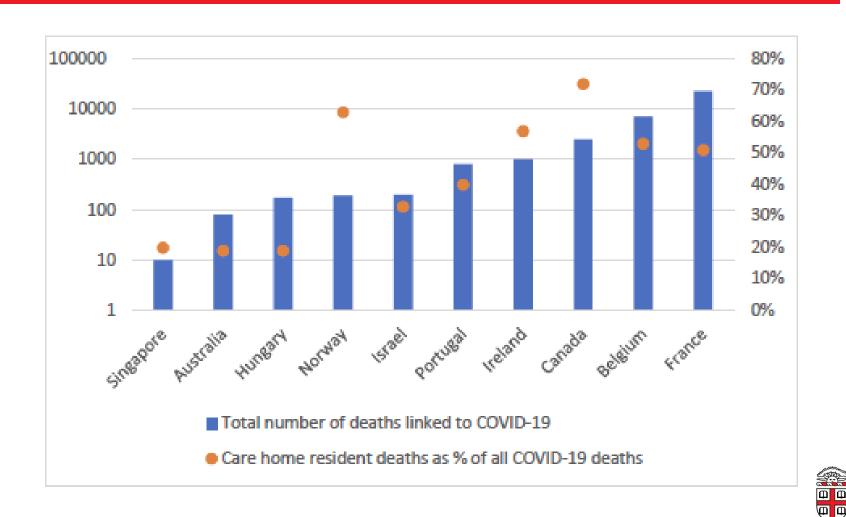
- ~17,000* reported COVID fatalities
 - *NY State just identified 1,600 "new" COVID deaths on Monday
- NH residents account for almost one-fourth of all COVID deaths

Share of COVID Deaths in Nursing Homes





Other Countries Have Similar Share of NH COVID Deaths



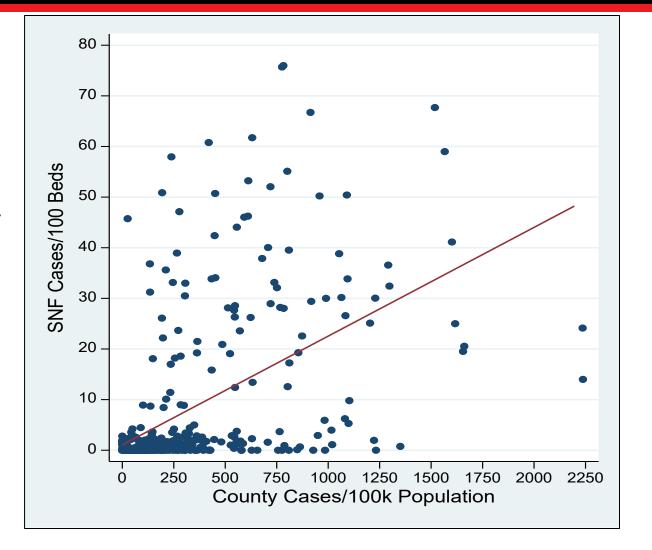
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Facility Size & Community Prevalence Predict Likelihood of COVID-19

	COVID+	Not COVID+	
Characteristic, mean (sd) or no. (%)	(n=143)	(n=197)	р
Facility Characteristics			
Total beds	131.5 (48)	106 (39.7)	<0.001
% Medicare	13.3 (11.5)	14 (11.2)	0.546
Total RN&LPN FTEs/100 beds	24.1 (7.2)	21.6 (6.4)	<0.001
Total CNA FTEs/100 beds	33.8 (7.5)	34 (13.8)	0.855
Resident Characteristics			
Average Age	78.3 (5.1)	76.3 (7.1)	0.005
% Black	16.6 (19.7)	8.7 (13.9)	<0.001
% Dementia	43.2 (15.8)	42.6 (16.3)	0.705
Area (County) Characteristics			
Population density (per 1000)	1459 (1879.6)	616.5 (1066.5)	<0.001
% Black	12.3 (11.8)	7.4 (10.5)	<0.001
% Aged 65 and above	16.3 (2.7)	18 (4.3)	<0.001
No. medical doctors (per 1000)	4 (7)	2.2 (5.5)	<0.001
County COVID+ Cases (per			
100,000)	579.2 (445.5)	177.7 (214.9)	<0.001

Correlation: SNF COVID-19 Counts and Cumulative County Cases: 4/29/2020

Pearson correlation=0.52; Spearman=0.62





Additional Results

- Regression Analyses reveal staffing levels and quality rankings were either UNRELATED to having a positive case OR negatively related
- Large, urban facilities with more minority residents in counties with many COVID cases are the epicenter



Summary

- Its all about the traffic
 - The bigger the building the more people enter
 - IF, in a county with many cases, more of the traffic will be infected, most asymptomatic
- So, its NOT about the facility but the virus
- Nursing Homes Need
 - Testing
 - PPE
 - Support for staff



Implications

- Most people with positive tests are asymptomatic and remain asymptomatic
- Need to test frequently and ask staff to be very careful off the job
- Protecting the lives of these frail patients is not just a job but a mission. A big sacrifice that must be rewarded.

