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Community Transmission of COVID-19 Project ECHO

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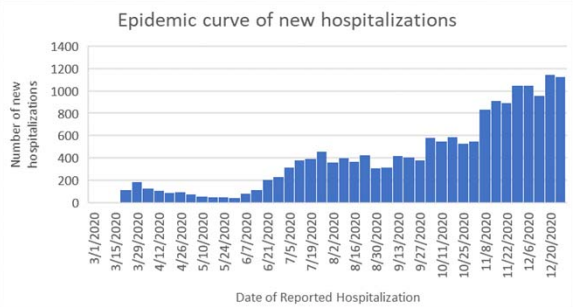
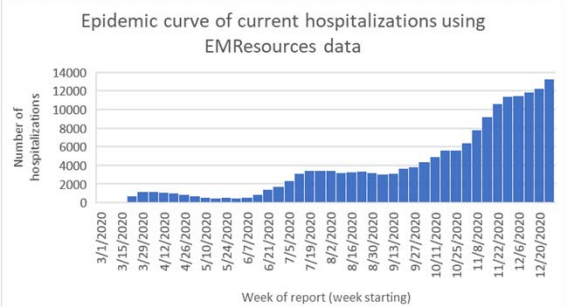
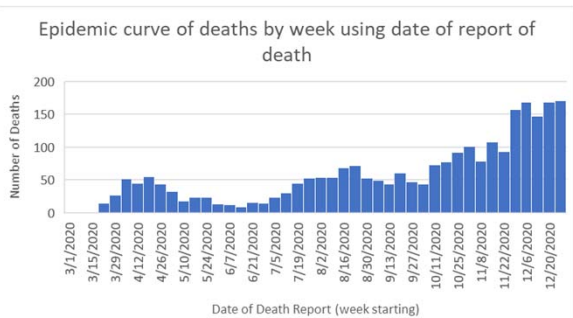
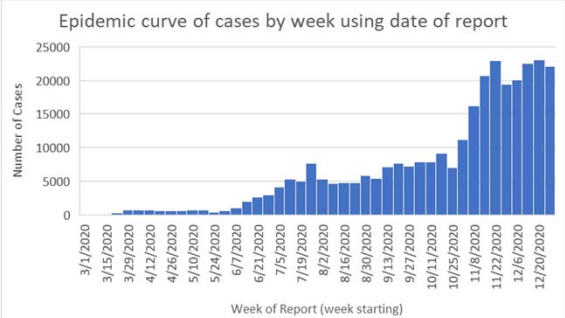
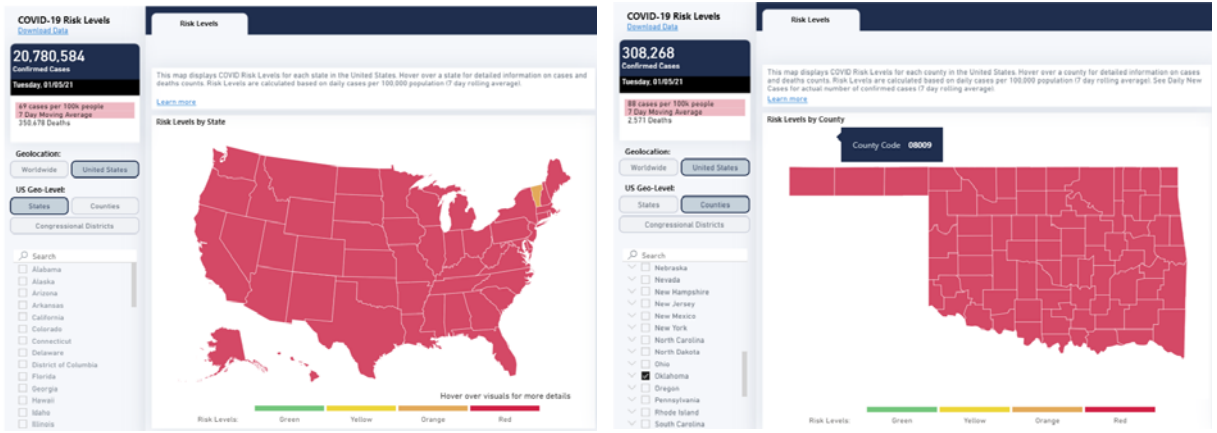
COVID-19 is 3rd Leading Cause of Death in US

- More deadly than stroke, accidents, the flu and pneumonia



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RED = Widespread Community Transmission $\geq 25/100,000$ cases



Long-term Care Facilities in Oklahoma

	Cases (%)	Deaths (%)
Residents	6,519 (63.2)	807 (99.3)
Staff	3,789 (36.8)	6 (0.7)
Total	10,317	813

<https://oklahoma.gov/content/dam/ok/en/covid19/documents/weekly-epi-report/2021.01.08%20Weekly%20Epi%20Report%20v1.pdf>



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Recently Published Data by Centers for Medicare and Medicaid Services and CDC

- COVID-19 rates in long-term care facilities (LTCFs) peaked in June and July 2020 and resurged in November 2020
- Increases in COVID-19 incidence in LTCFs mirrors increases in community
 - Concerns about staff bringing in from exposures outside the facility

Bagchi S, Mak J, Li Q, et al. Rates of COVID-19 Among Residents and Staff Members in Nursing Homes — United States, May 25–November 22, 2020. MMWR Morb Mortal Wkly Rep. ePub: 8 January 2021.



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COVID-19 and Influenza

Oklahoma Data

Disease	# New Hosp, Dec 27-Jan 2, 2021	# new and prev hosp with test between Sep 1 – Dec 26	Cumul. Hosp since Sep 1	# New Deaths with testing between Dec 27-Jan 2, 2021	# of new and prev deaths with testing between Sep 1 – Dec 26	Cumul. Deaths since Sept 1, 2020
Influenza	6	116	122	0	0	0
COVID-19	1,124	11,465	12,589	170	1,557	1,727

Influenza data from: <https://oklahoma.gov/health/prevention-and-preparedness/acute-disease-service/disease-information/ok-flu-view.html>
 COVID-19 data from daily surveillance summaries

Miscellaneous Data

Disease	% Positivity	Case fatality rate	Cumulative Hospitalization Rate
Influenza	2.7% ¹	0.06%-0.1% (2019-2020 season) ³	66/100,000 (2019-2020 season) ⁵
COVID-19	≈22.7% ²	2.0% ⁴	301.7/100,000 ⁶

- ¹<https://oklahoma.gov/health/prevention-and-preparedness/acute-disease-service/disease-information/ok-flu-view.html>
- ²www.COVIDActNow.org
- ³<https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm>
- ⁴<https://www.worldometers.info/coronavirus/country/us>
- ⁵<https://gis.cdc.gov/GRASP/Fluview/FluHospRates.html>
- ⁶https://coronavirus.health.ok.gov/sites/g/files/gmc786/f/2020.11.26_weekly_epi_report-1.pdf



Pneumonia, Influenza, and COVID-19 Mortality from the National Center for Health Statistics Mortality Surveillance System
Data through the week ending January 2, 2021, as of January 7, 2021

