



From: "Chanteau Orr, JD, MPH" <corr@tulsa-health.org>
Date: Tuesday, June 30, 2020 at 7:11 AM
To: AO Records <records@americanoversight.org>
Cc: "Chanteau Orr, JD, MPH" <corr@tulsa-health.org>
Subject: Open Records Request (OK-TULSA-20-1638)

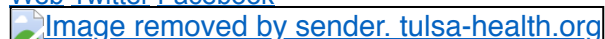
EXTERNAL SENDER

Per your request, attached please find the results for your search criteria of "...reports, analyses...prepared by your office, other federal, state or local offices..."

Sincerely,
Chanteau Orr

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Outline

Risk of attending a large indoor public gathering

Background

On March 6, at a regional basketball tournament in Indiana, among a crowd of 2,800 fans + players and coaches, 5 people died from COVID-19.

<https://www.insider.com/five-died-of-covid-19-after-attending-indiana-basketball-tournament-2020-4>

This was early in the pandemic and awareness of the severity of the risk was low. Although awareness of the risk of gathering in large crowds should be higher, the actual risk of attending this gatherings is still high, and may be higher as the number of active cases in communities continues to rise. While testing has improved and is widely available, it is almost certain there are many undetected cases in the community.

Estimates

Tulsa County

Tulsa County population: 651,552

Population at risk: $651,552 - 1,564 = 649,988 \approx 650,000$

Cumulative cases: 1,564

Cumulative deaths: 62

Recovered = 1,044

Active cases = 520

CFR: $62/1564 = 4.0\%$

Cumulative incidence rate: $1,564/651,552 = 0.0024 = 24/10,000$

Transmission rate: $520/650,000 = 0.0008 = 8/10,000$

Cumulative death rate: $62/651,552 = 0.000095 = 0.95/10,000$

19,000 attendees

Minimum estimates

19,000 * transmission rate: $19,000 * 0.0008 = 15.2$ active cases will attend the rally

If they spread to three people (assuming nobody is wearing masks), they will cause an estimated 45.6 first generation cases and 1.8 deaths

Moderate estimates

Assume 5 times as many cases in community as reported:

Active cases: $520 * 5 = 2,600$

Transmission rate: $2,600 / 650,000 = 0.004 = 40 / 10,000$

$19,000 * 0.004 = 76$ active cases will attend the rally

If they spread to three people (assuming nobody is wearing masks), they will cause an estimated 228 first generation cases and 9.12 deaths.