

Augmenting CPGs with rapid clinical evidence workflows

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Outline

1. What are micropublications?
2. How do micropubs apply to trauma surgery CPGs?
3. Next steps

Micropublication

A smaller, faster scientific report

Title / Claim

Figure

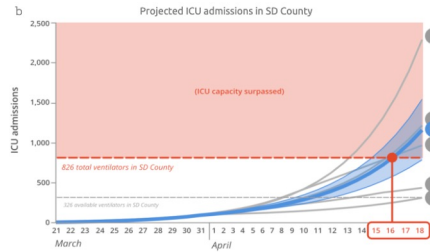
Results

Links to Data,
Code, & Protocols

COVID-19 Outbreak Forecast for San Diego County

by Jeffrey Morgan, Emily A Eshraghian, Nicole Brye, Lauren Chun, Darrick Suen Apr 03, 2020

covid-19:spread



We used a wisdom of crowds approach to identify the most likely model of COVID-19 spread and resulting hospitalizations and ventilator use for San Diego County, CA, USA in the month of April. San Diego confirmed its first case of COVID-19 on March 7, 2020. Social distancing measures (stay-at-home order from state governor) were issued on March 19, with additional local measures enacted March 23 to improve compliance such as patrolling beach parking lots and signage in areas of congregation. Incident cases are currently increasing. Our models are based on data collected up to March 28 and do not forecast beyond April 18, 2020.

References:

1) <https://doi.org/10.1115/MECE2018-86559>

Datasets:

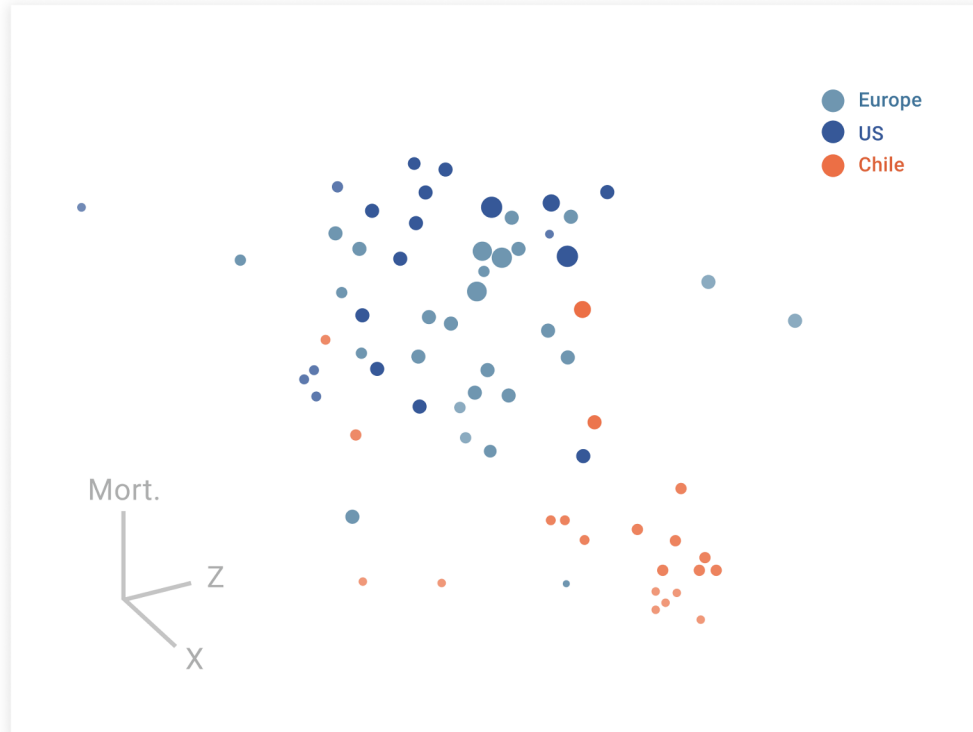
1) Data and model calculations

2) San Diego County Health & Human Services

Designed for rapid,
high quality results

Quorum

Decentralized, collaborative research drive



(mockup)

case report = Micropublication

effectiveness trial = Quorum

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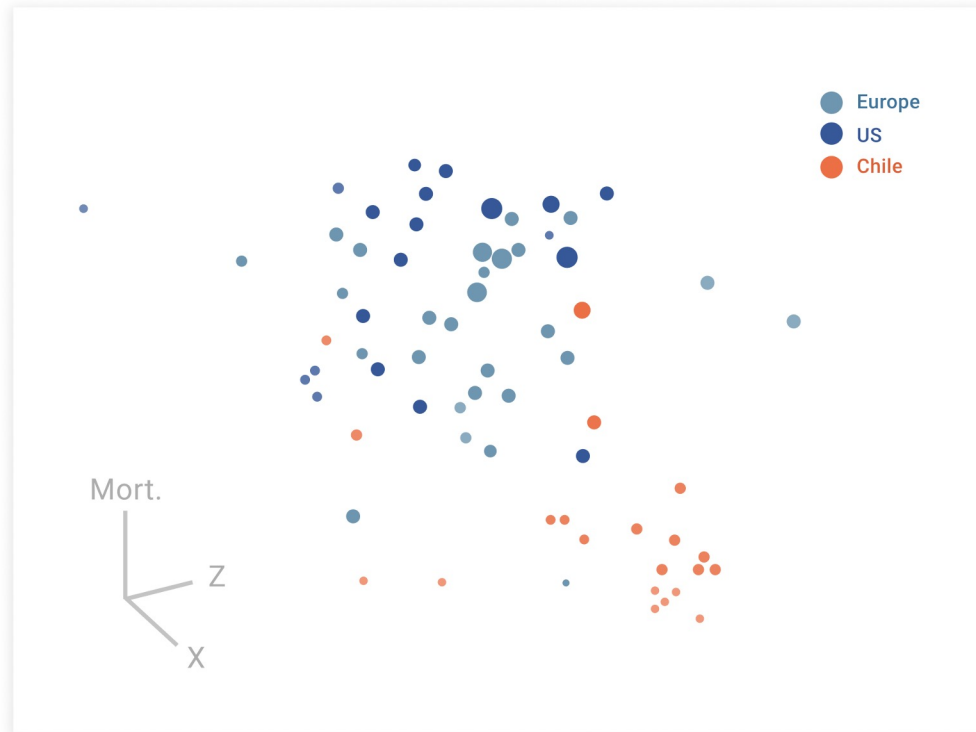
Problem #1

How do we identify gaps and
prioritize primary research?

Problem #2

How do we engage *all* experts to make CPGs applicable to a wider range of providers?

New Trauma Intervention

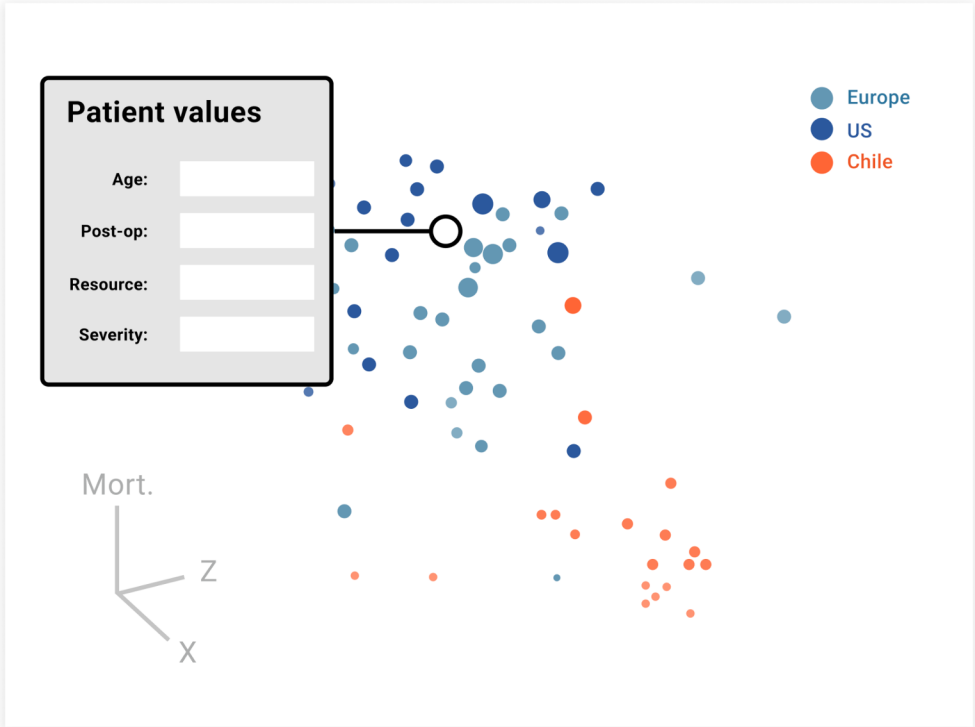


(mockup)

X: Symptom ▾

Z: Resource availability ▾

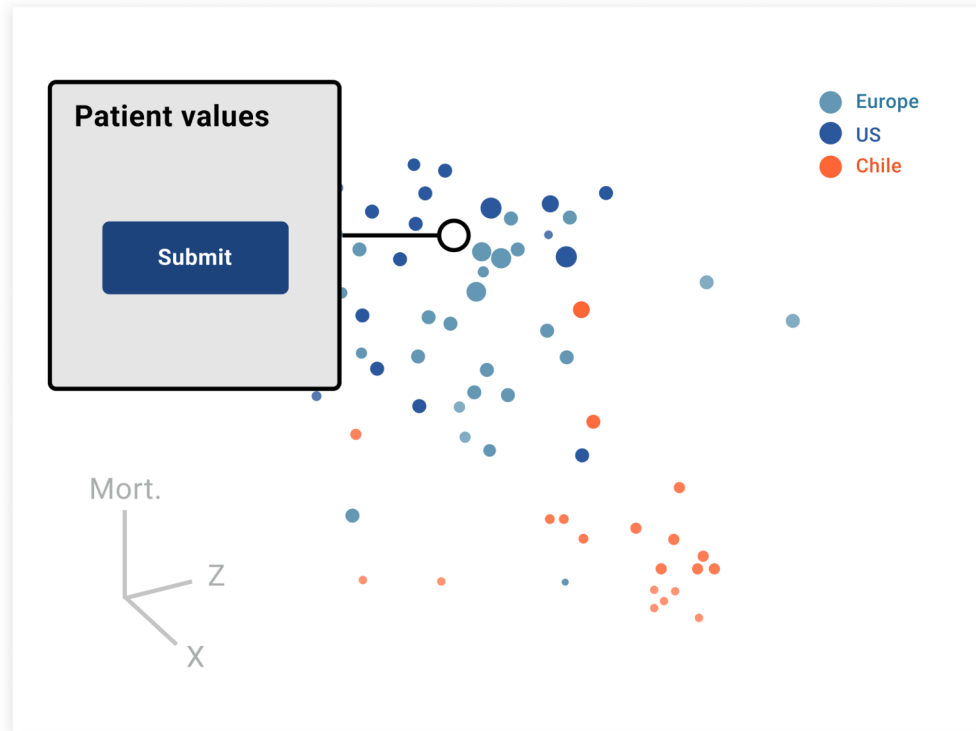
My Patient



X: Symptom ▾

Z: Resource availability ▾

Submit Your Case

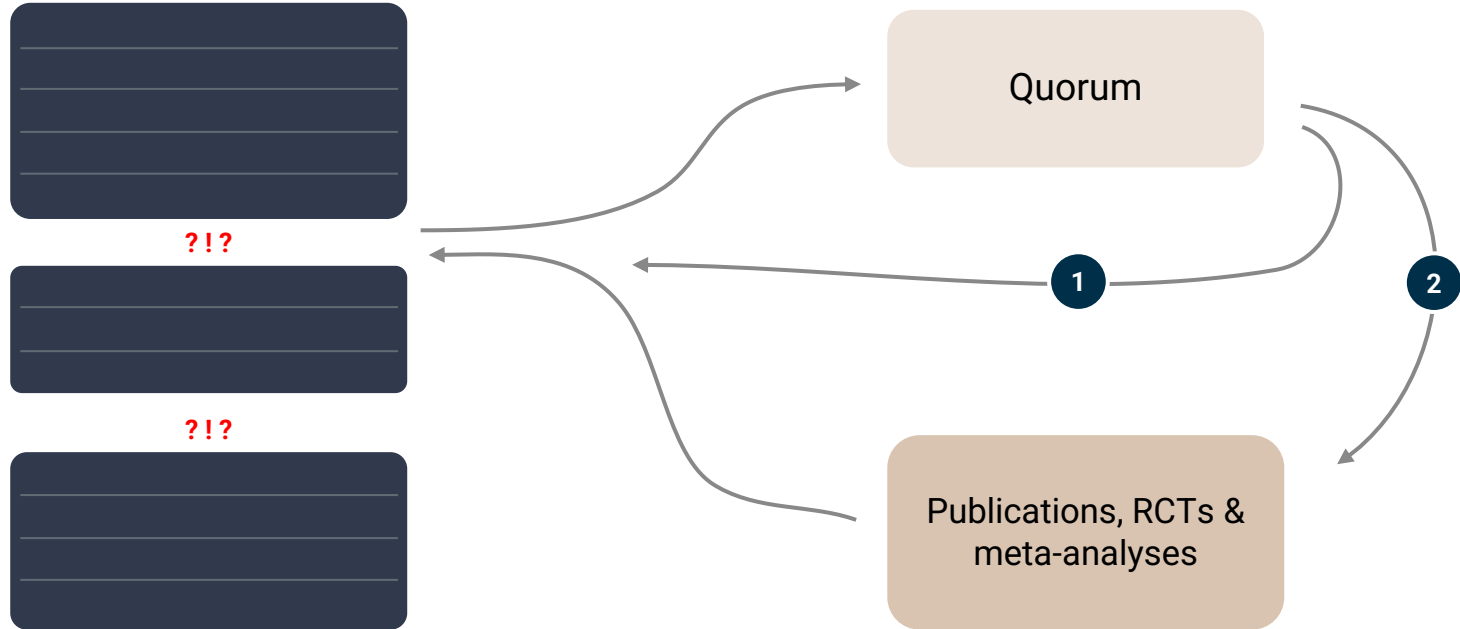


X: Symptom ▾

Z: Resource availability ▾

CPGs + rapid primary research

Clinical Practice Guidelines



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Pilot

Quorum for a trauma intervention
(effectiveness trial)

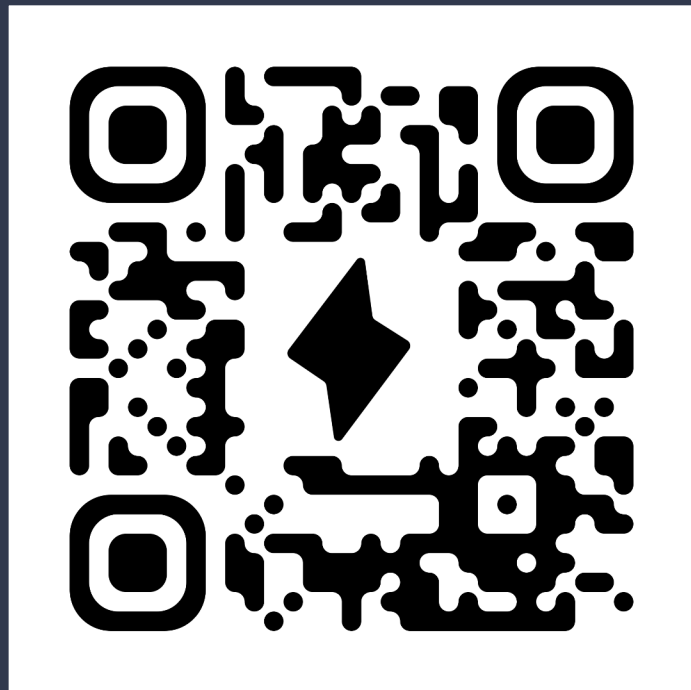
Journal

Build editorial team & launch
micropub journal

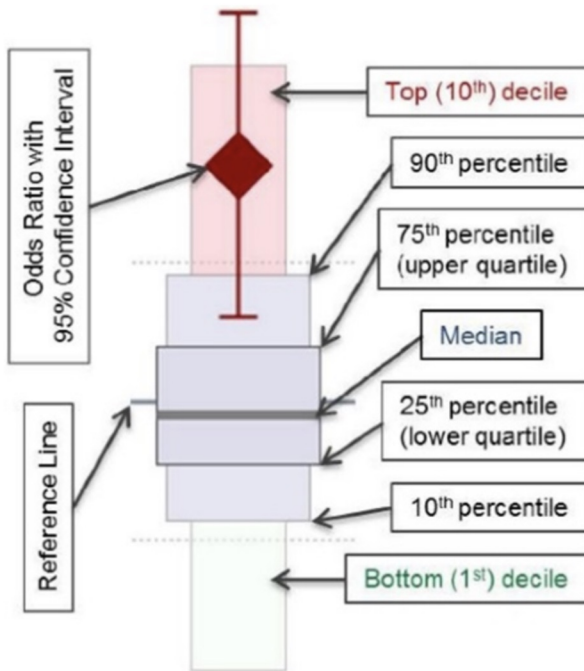


thank you

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extras



**Alternative metrics
for non-reporting
institutions?**