

Ivan DeLoatch Executive Director Federal Geographic Data Committee





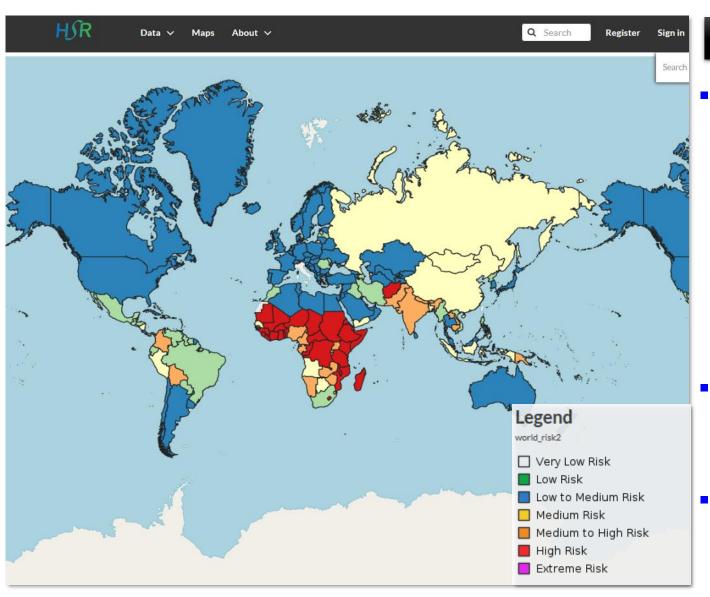




Health SDI- Mapping Risk, Supporting Understanding and Decision-making

Sample Factors Used

- Social Factors
 - Age
 - Density
 - Poverty
 - Income
- Infrastructure
 - Airports
 - Public Transit
 - Metros
- Environmental
 - Air Quality
 - Temperature



Sample Factors Used

- Health Factors
 - Critical Conditions
 - Hospitals
 - Medical Facilities
 - Insurance
 - Medical Equipment
- Behavioral Factors
 - Drinking, Smoking
- Secondary Services
 - Funeral Homes

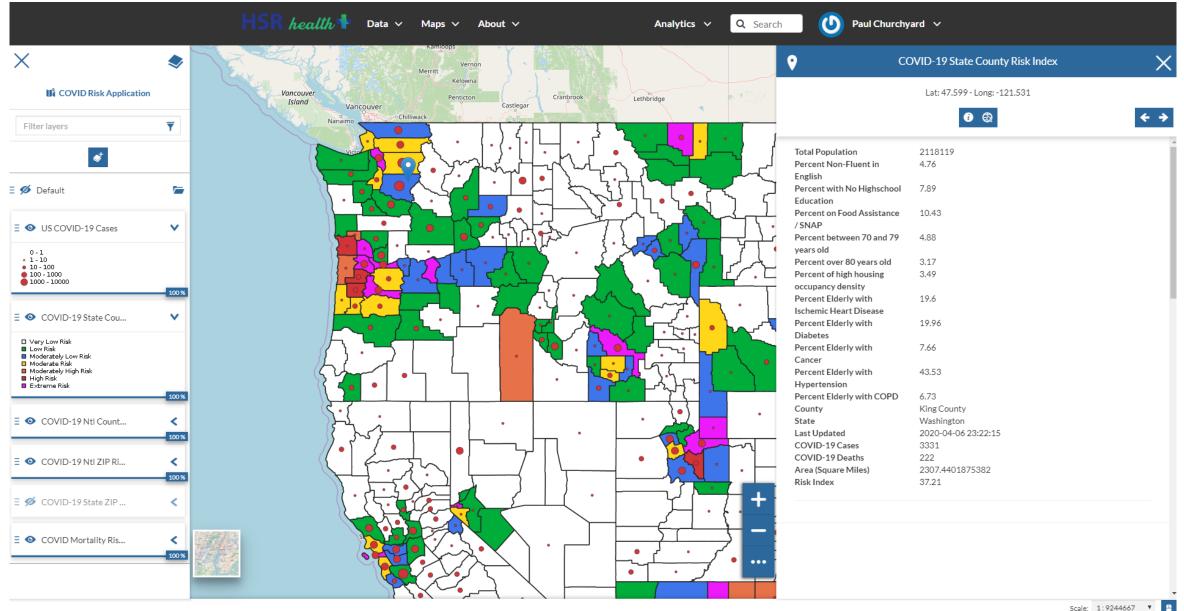
Mortality Risk Index – A USA view of risk





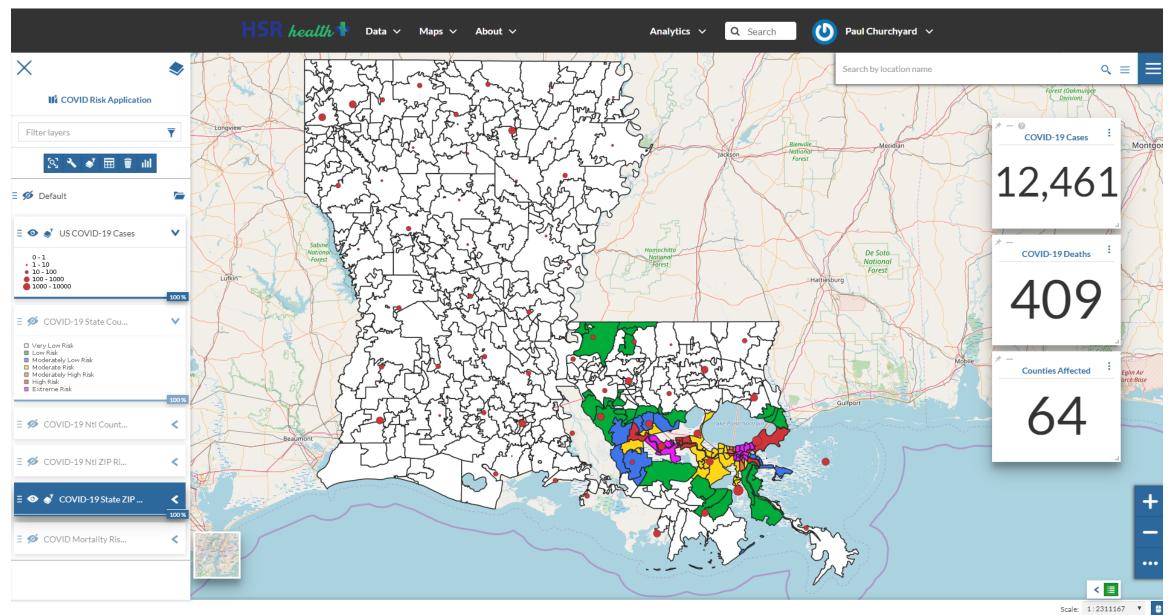
Pandemic Risk Index – A USA view at the county level





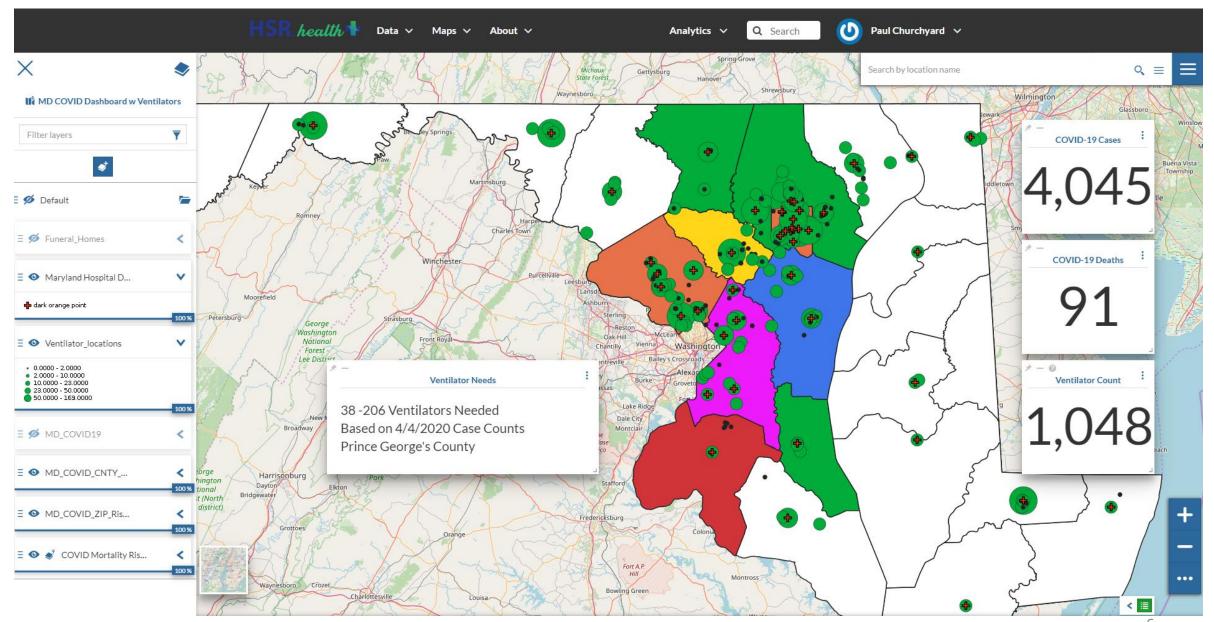
Pandemic Risk Index – A USA view at the ZIP Code level HSR. health





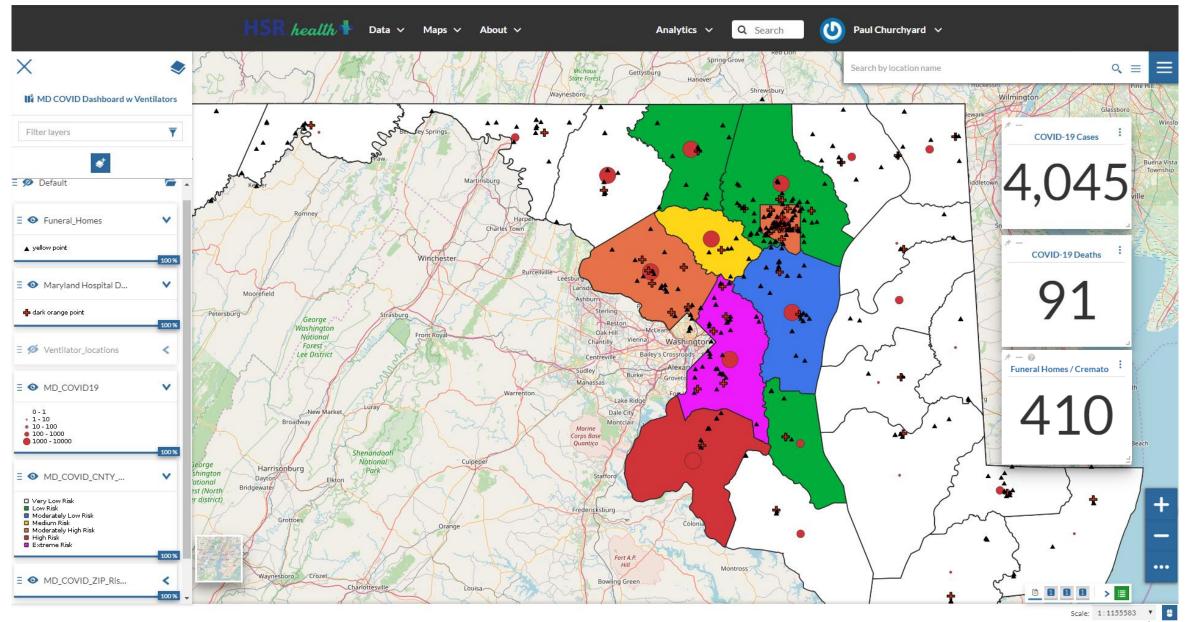
Resource Availability - Ventilator Locations and Quantity





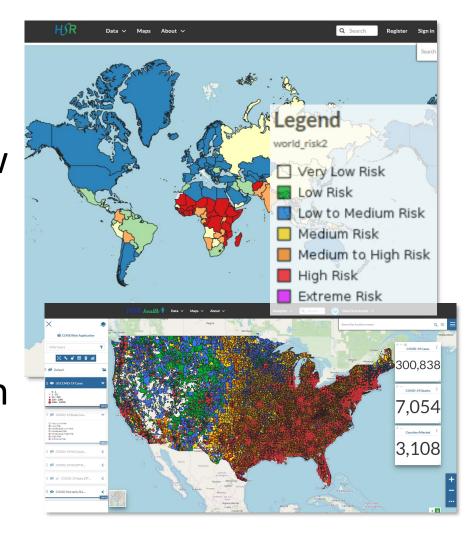
Resource Availability - Funeral Home Locations





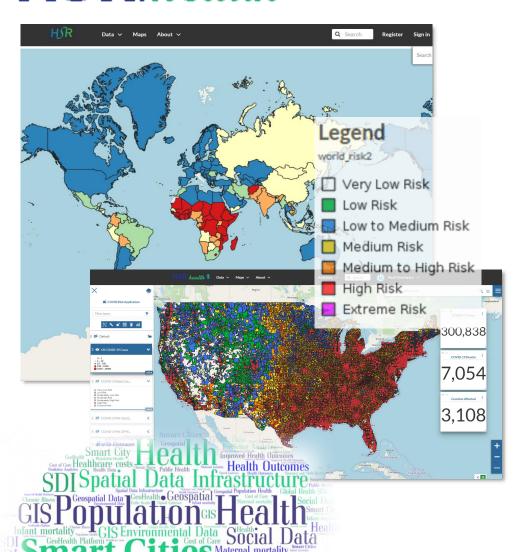
Outcomes for Emergency Managers & Medical Responders:

- ◆ **Predict** future Hot Zones and Outbreaks
- Guide eventual *De-Quarantine* efforts to resume economic activity in 'safe' or 'low risk' zones
- Understand Supply Chain Disruptions of medical supplies & equipment
- Anticipate downstream impact and strain on *Industry and Social Safety Net*





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Leveraging a Health SDI for COVID-19 Pandemic Response

Thank You

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Leveraging a Health SDI for COVID-19 Pandemic Response

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