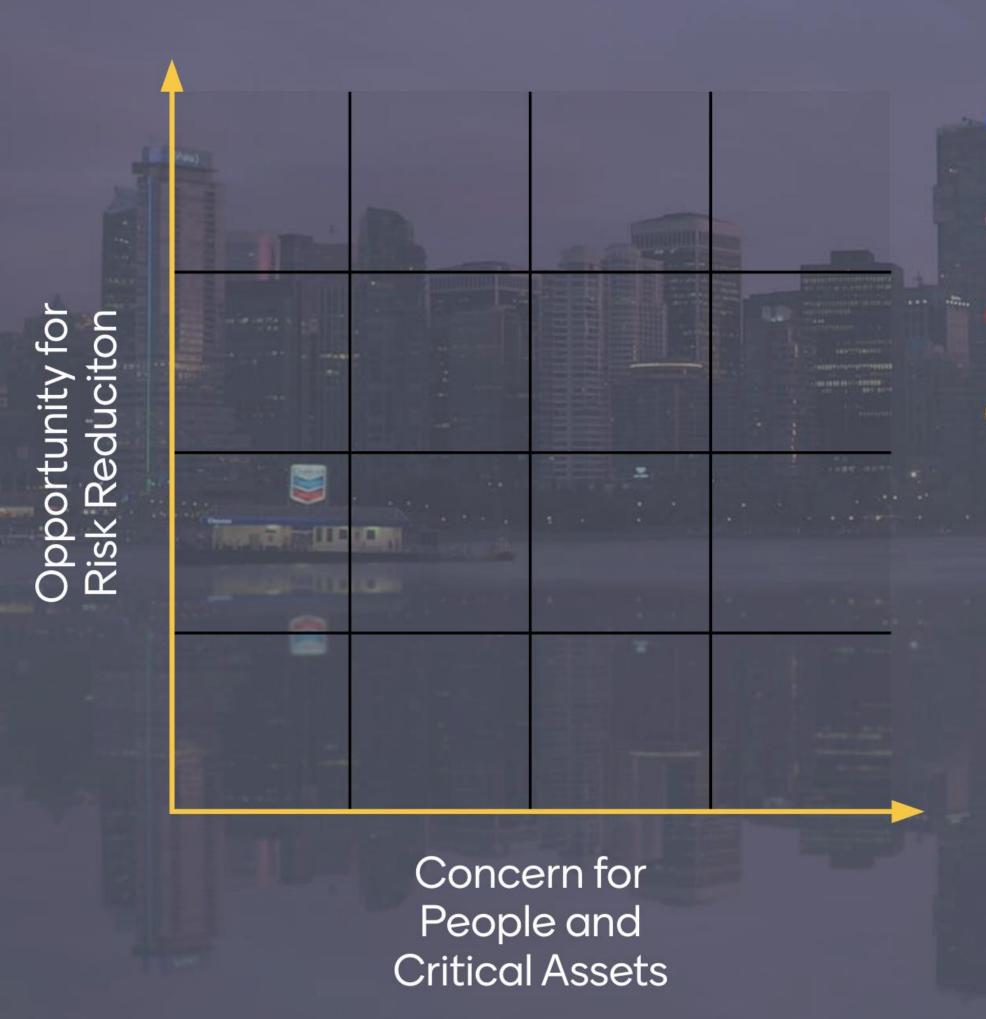


Vancouver Harbour Earthquake Risk **Exposure** \$ Buildings Damaged Beyond Repair 241B/ 0.85M/130,694/ Van Harbour RedTag Bldgs 460,000 2.69M 736B MetroVan 14,800 24% ■ North Vancouver Vancouver ■ West Vancouver 3,560 9% 22% Life-Threatening Injuries Exposure 38% 515 69% Social Disruption > 30 Days Social Disruption ■ North Vancouver ■Vancouver ■ West Vancouver 641,560 36% 25% 20% 20% 15% Direct Economic Losses 10% 6% 34% 16.8B CAD\$ 5% 3% **5.6B** CAD\$ 0% Canadian Safety and Security Program BldgNum 2

Black Swans- 2020

Mentimeter

Hotspots of Concern - Vancouver Harbour



Physical/Social Impacts

- 1 Building Impacts
- 2 Critical Injuries
- 3 Social Disruption
- 4 Economic Loss

Please go to menti.com and the enter the code:

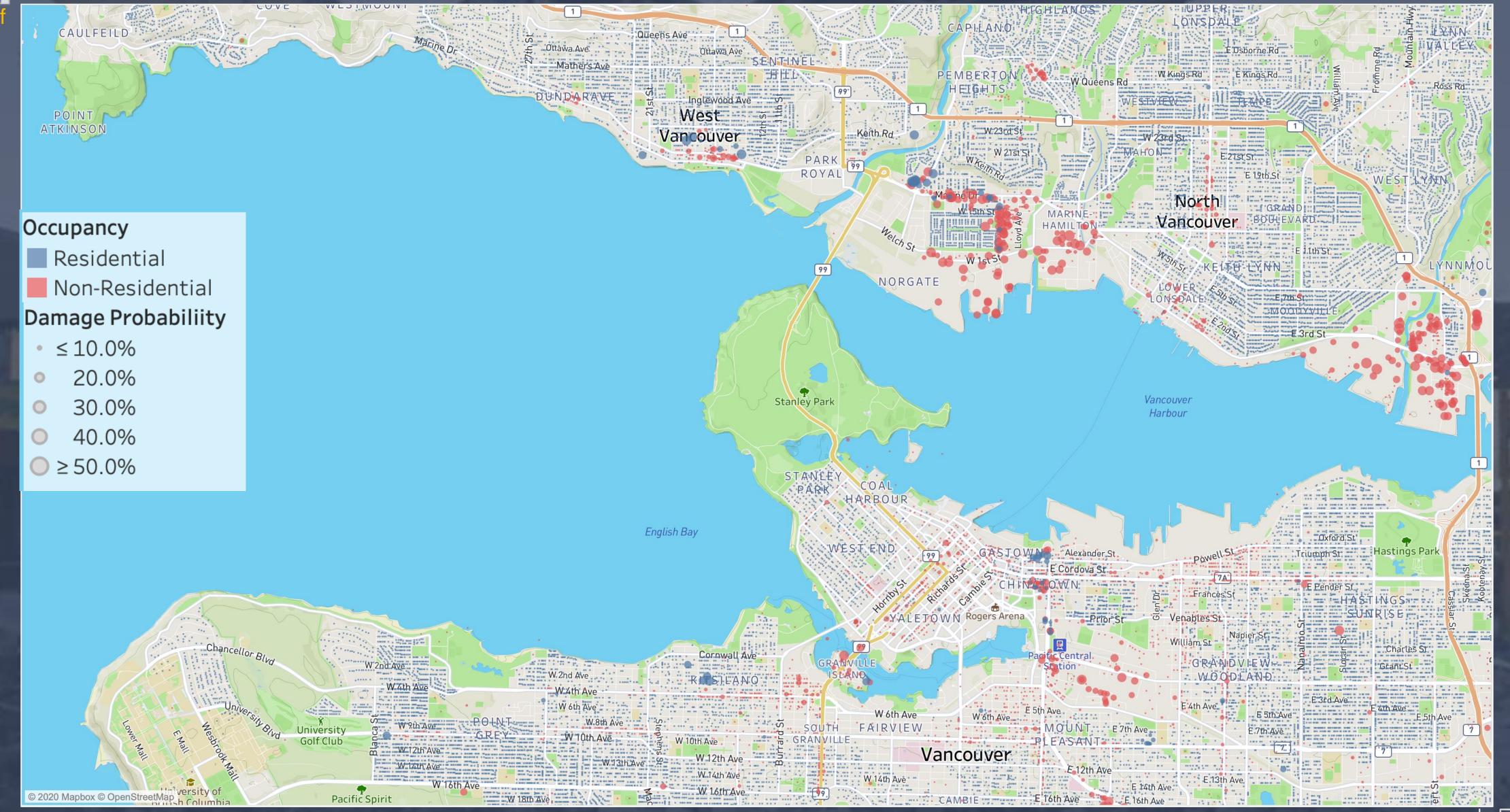
90 85 64 4

For each of the risk metrics, use your judgement to rank:

- 1. level of concern for physical impacts and strain on neighbourhood social fabric
- 2. potential to reduce risk through proactive investments in mitigation/adaptation



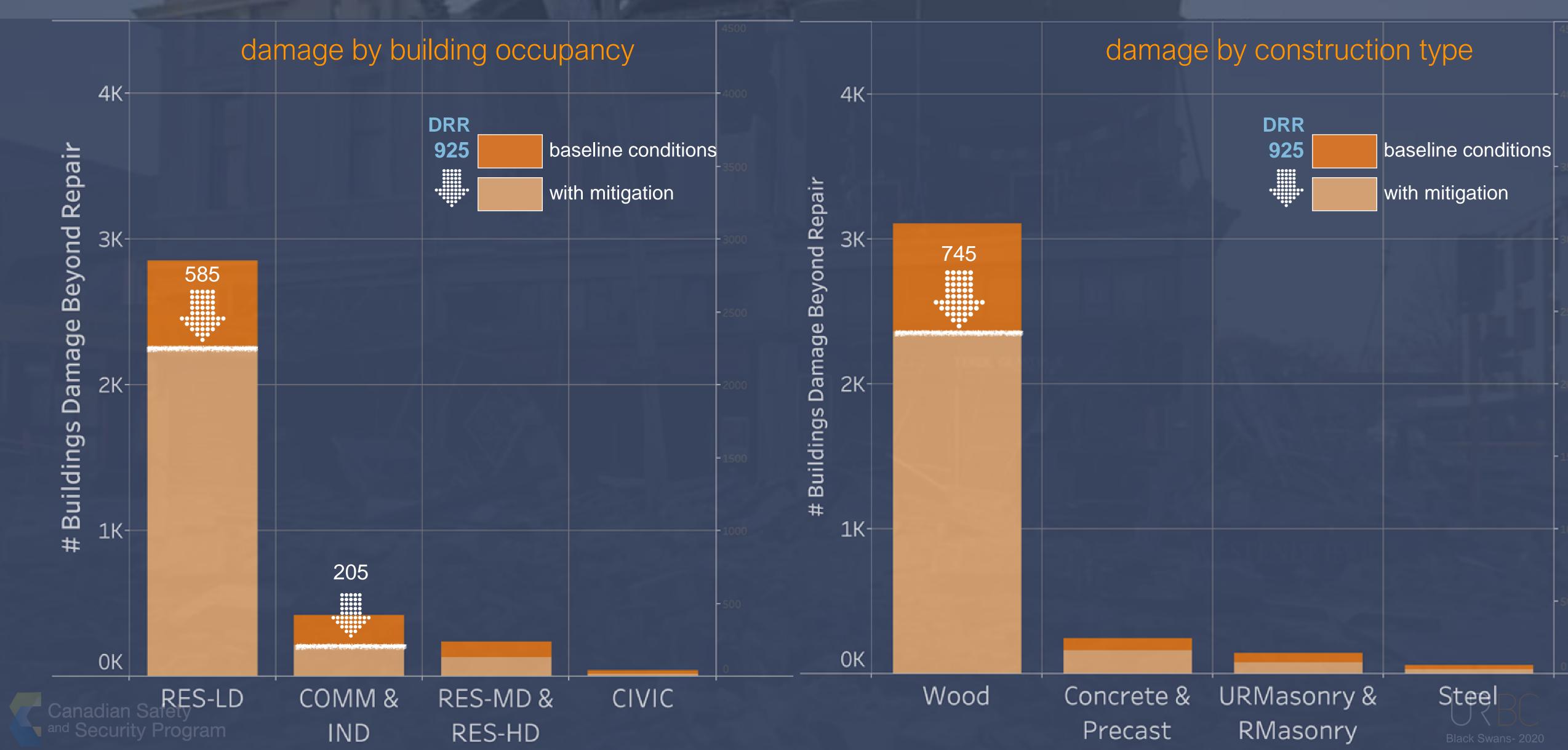
Building Performance: 3,560 buildings damaged beyond repair





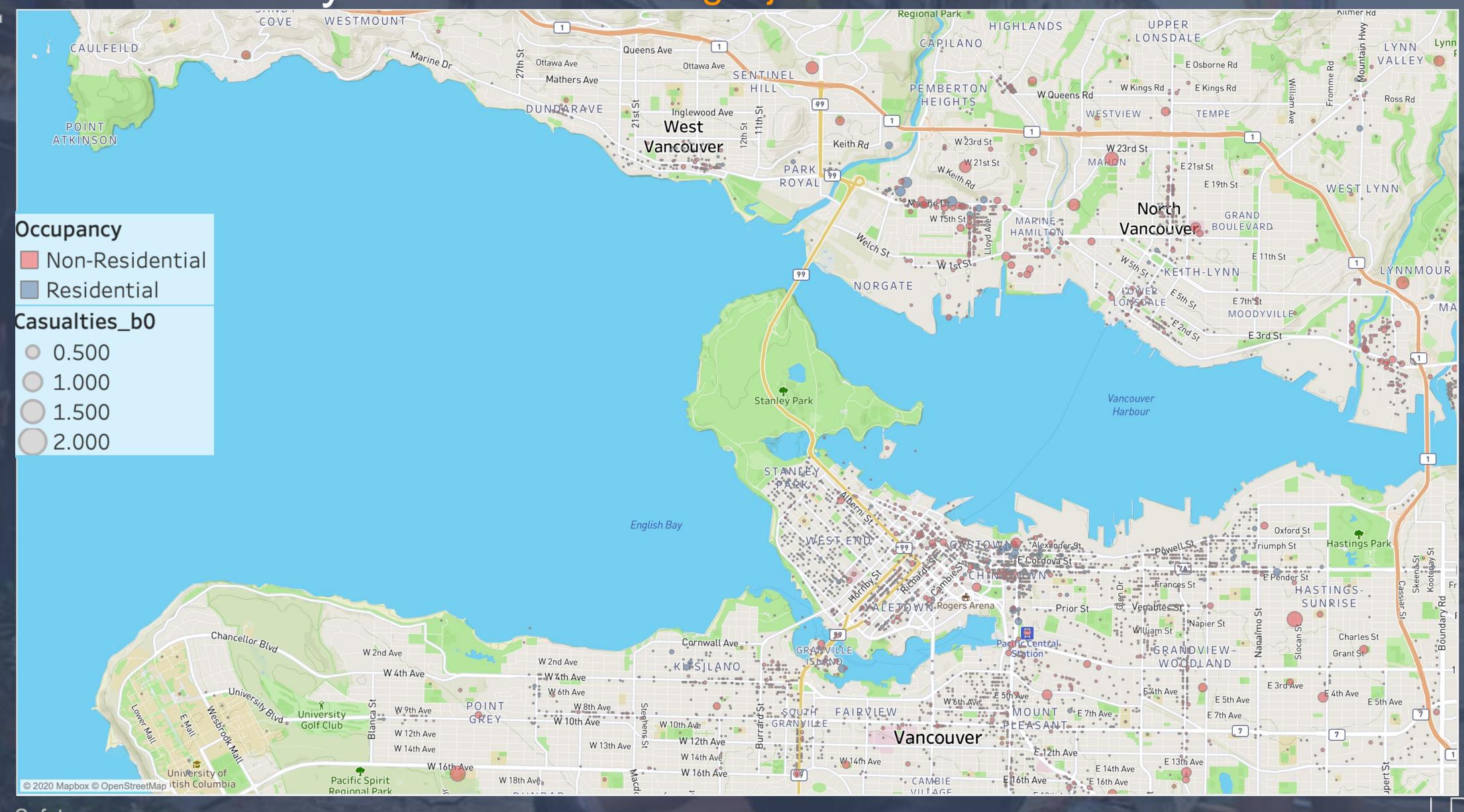


Building Performance: 3,560 buildings damaged beyond repair





Public Safety: 195 life-threatening injuries

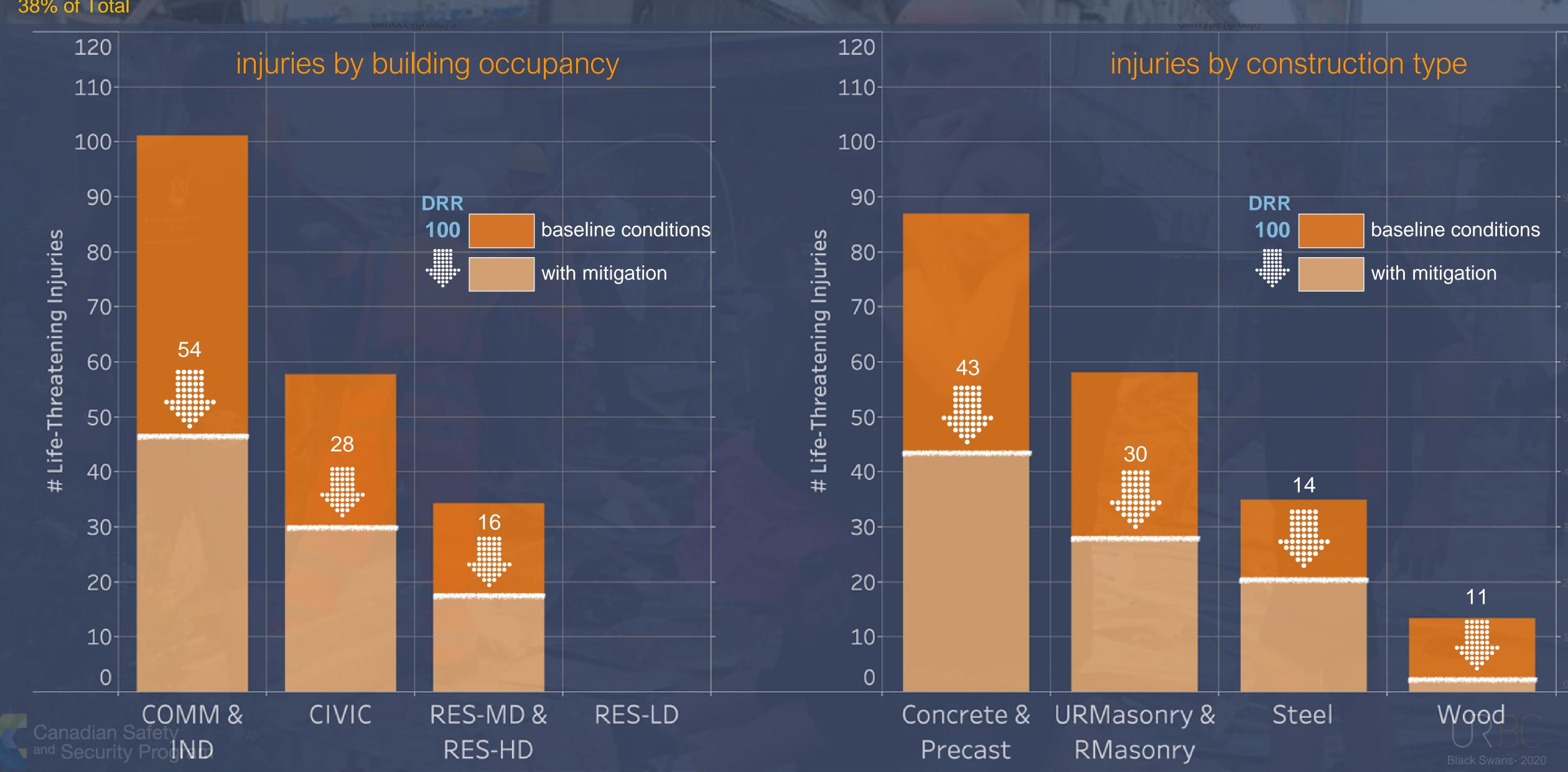






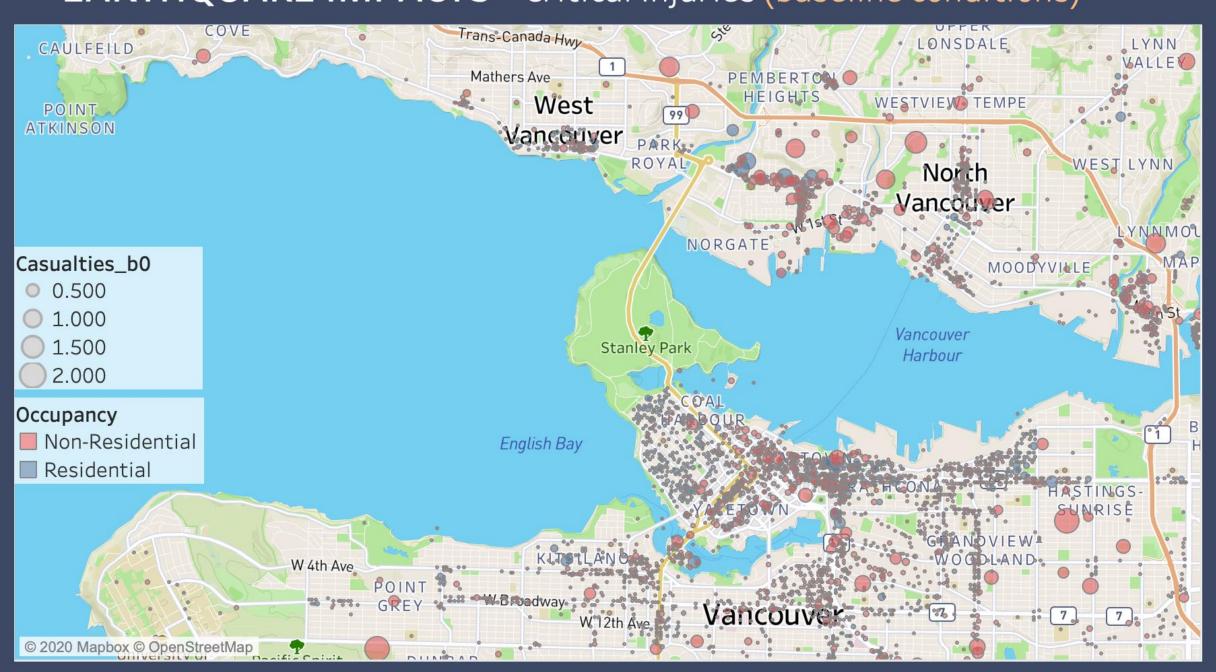
Public Safety: 195 life-threatening injuries



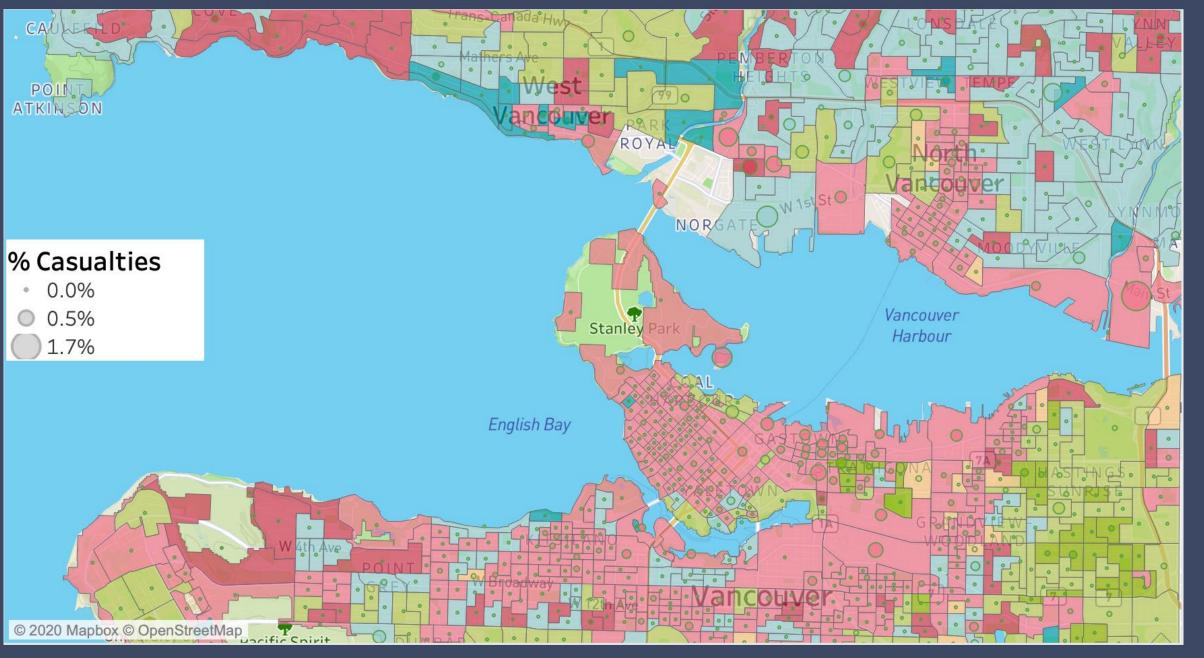


EARTHQUAKE IMPACTS - Critical Injuries (baseline conditions)

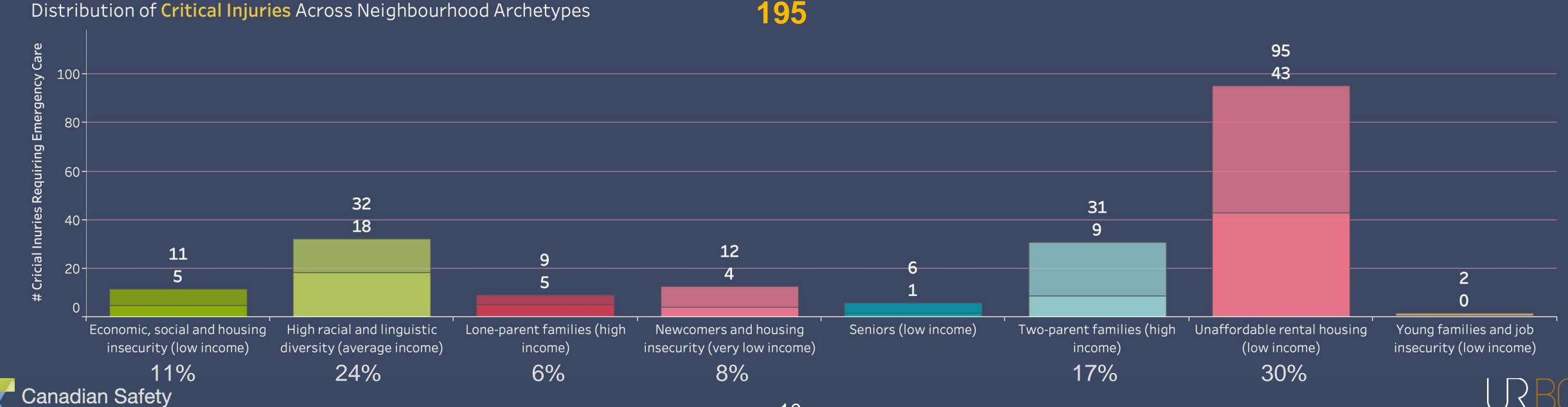
STRAIN ON SOCIAL FABRIC - Susceptibility to Physical Injury



and Security Program



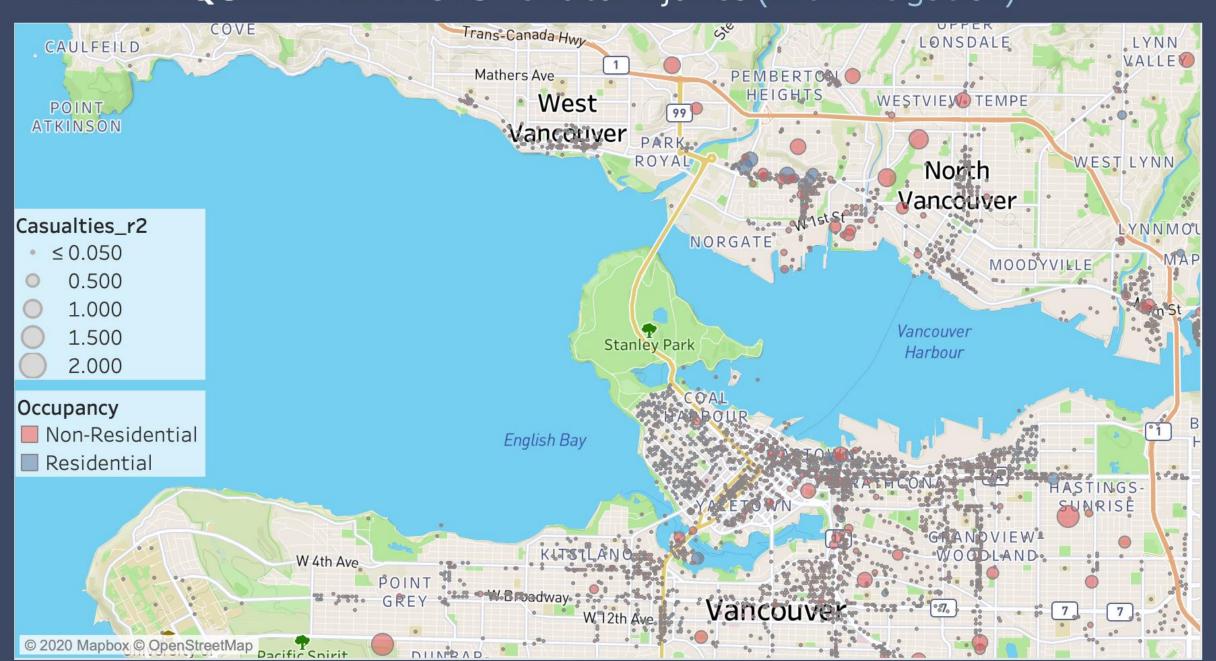
Black Swans- 2020

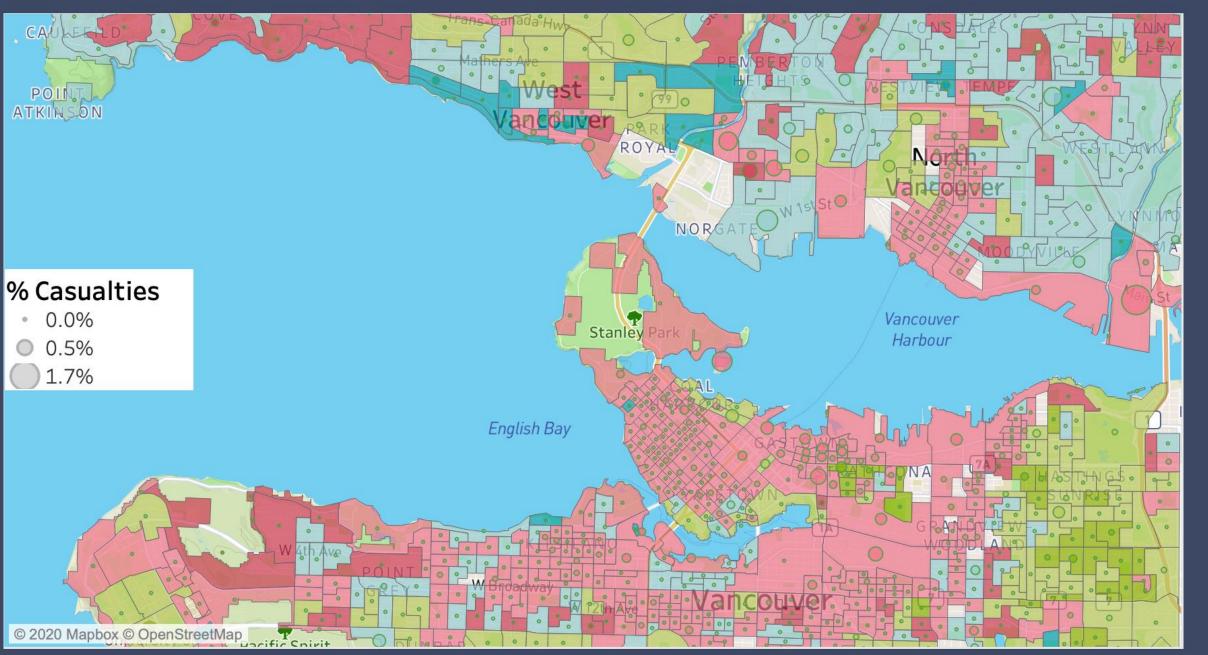


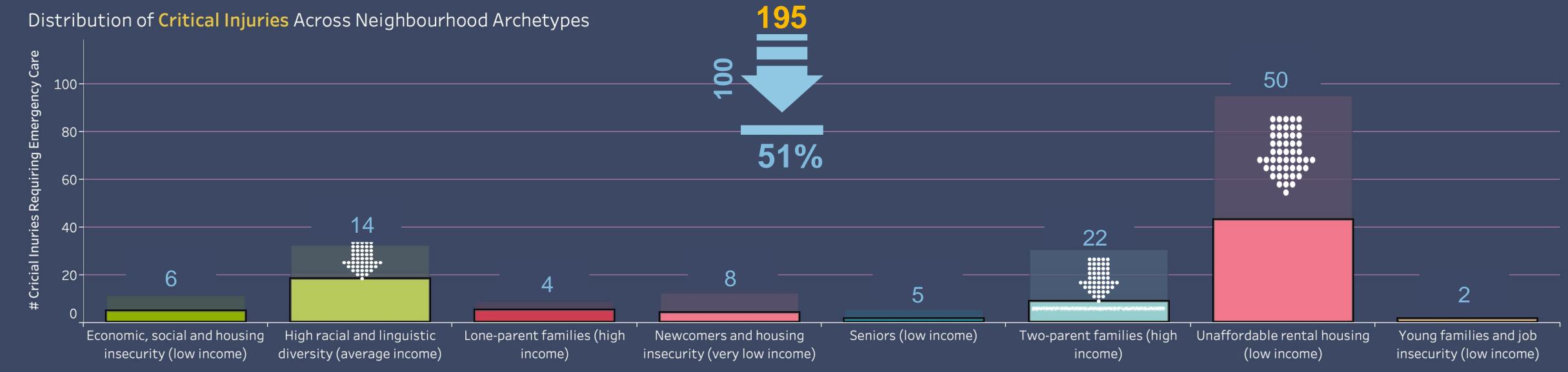
10

EARTHQUAKE IMPACTS - Critical Injuries (with mitigation)

STRAIN ON SOCIAL FABRIC - Susceptibility to Physical Injury





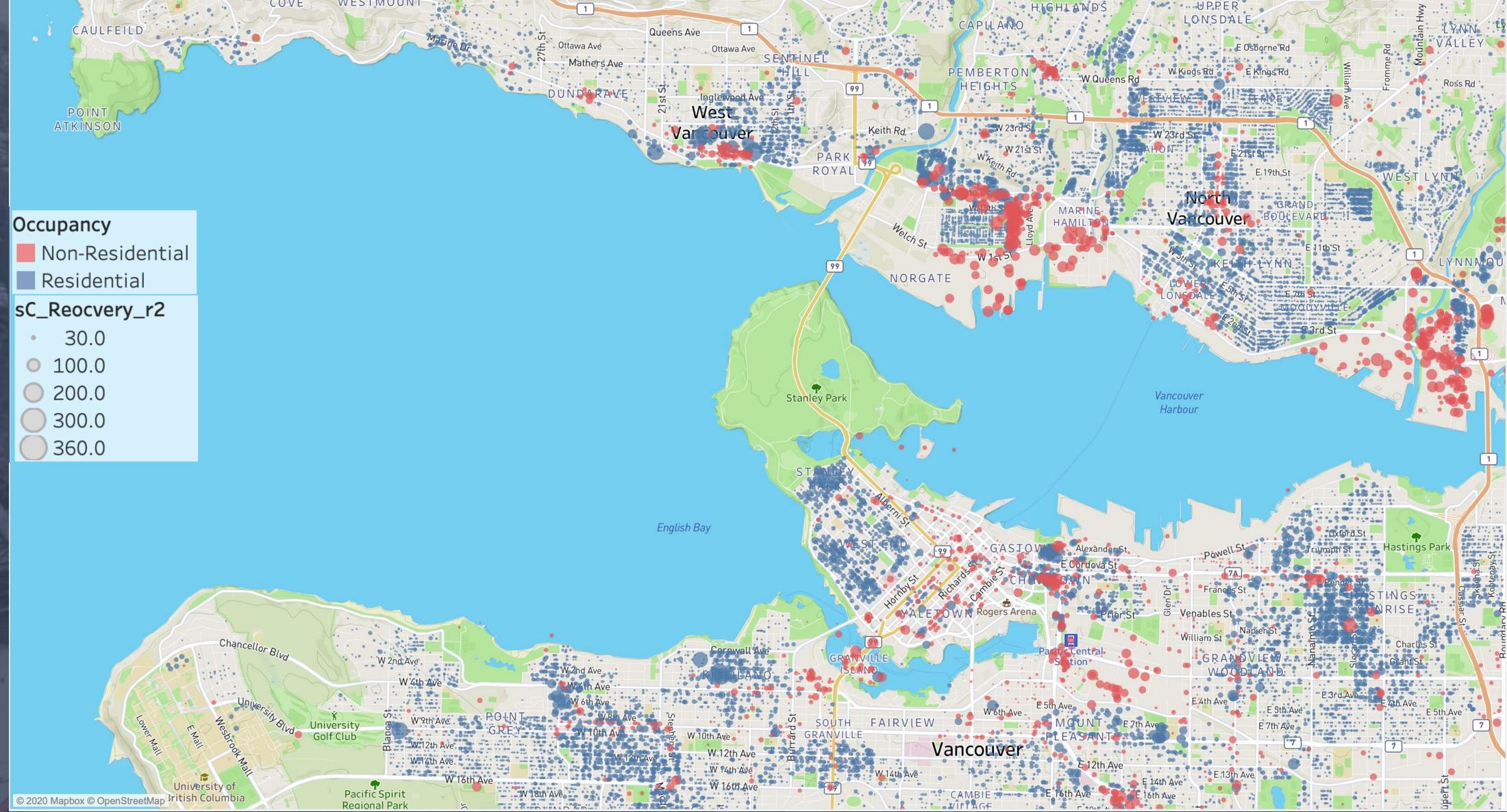






Downtime: 228,530 people disrupted > 30 days

Sentence of the content of the cont

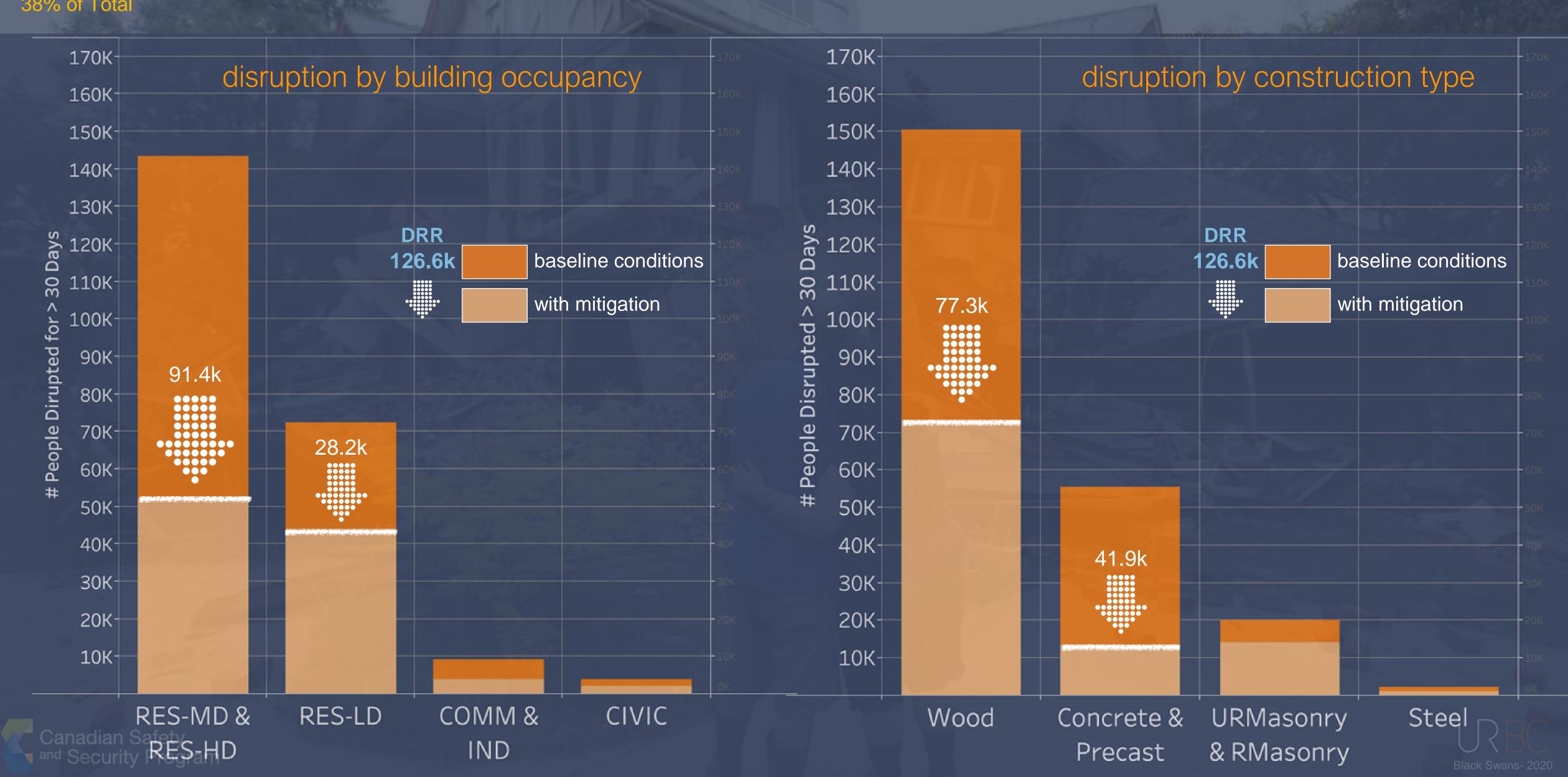






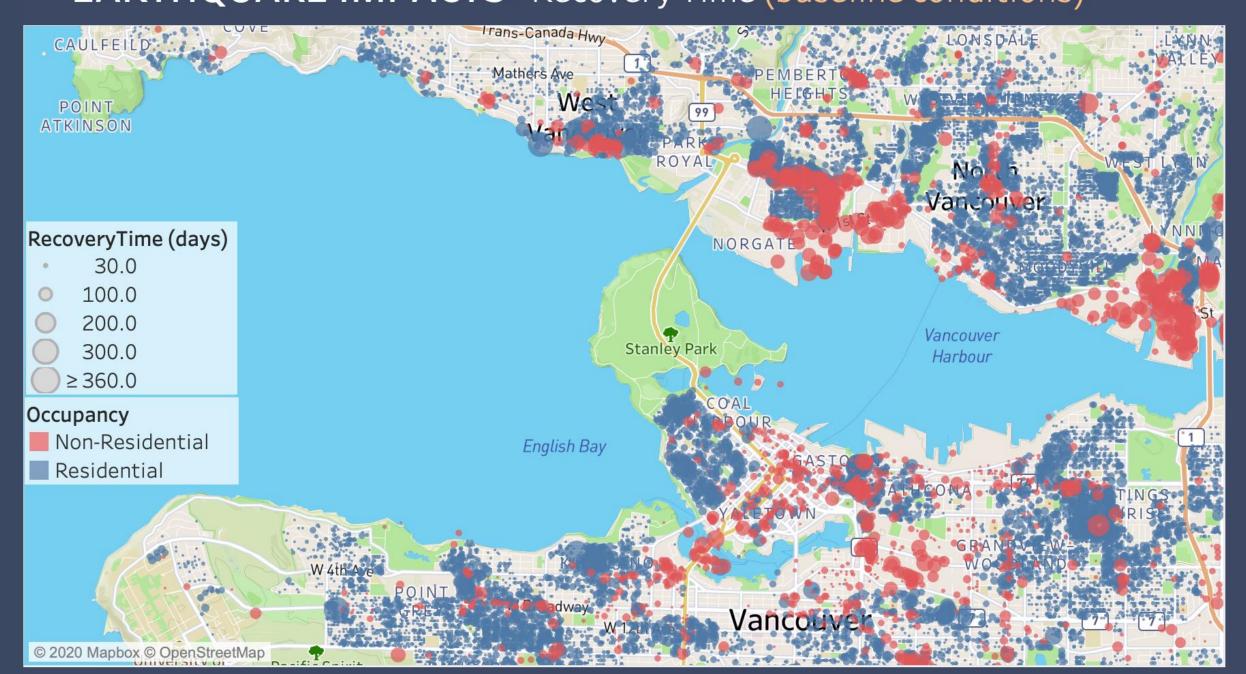
Downtime: 228,530 people disrupted > 30 days

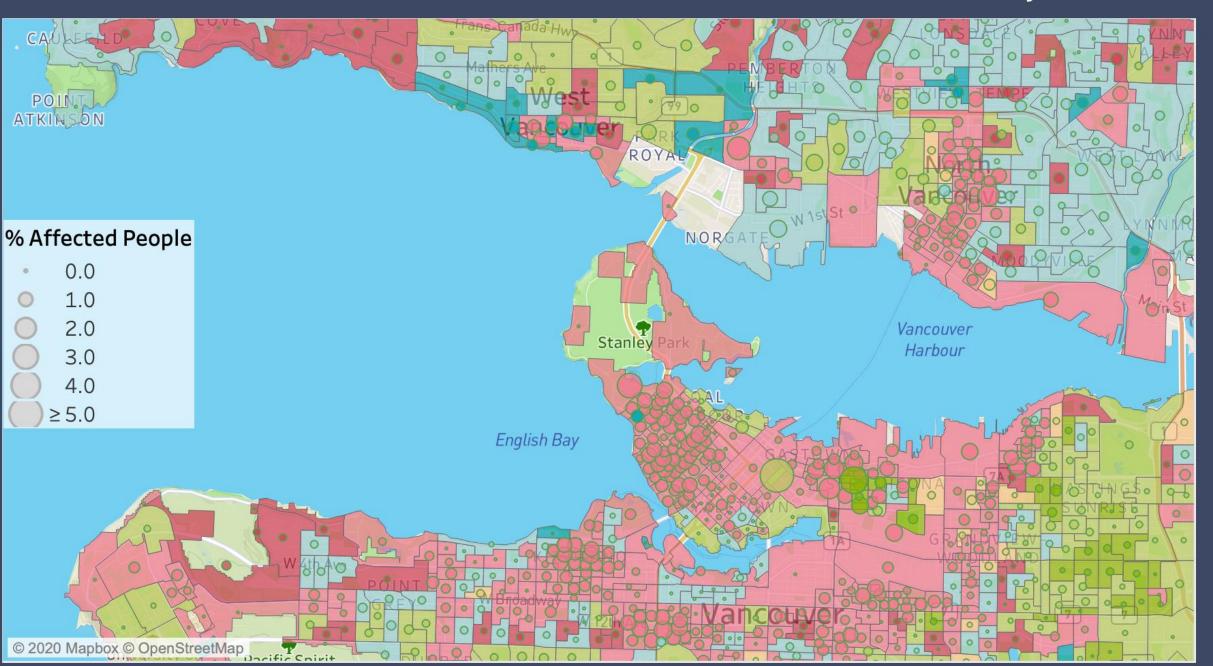




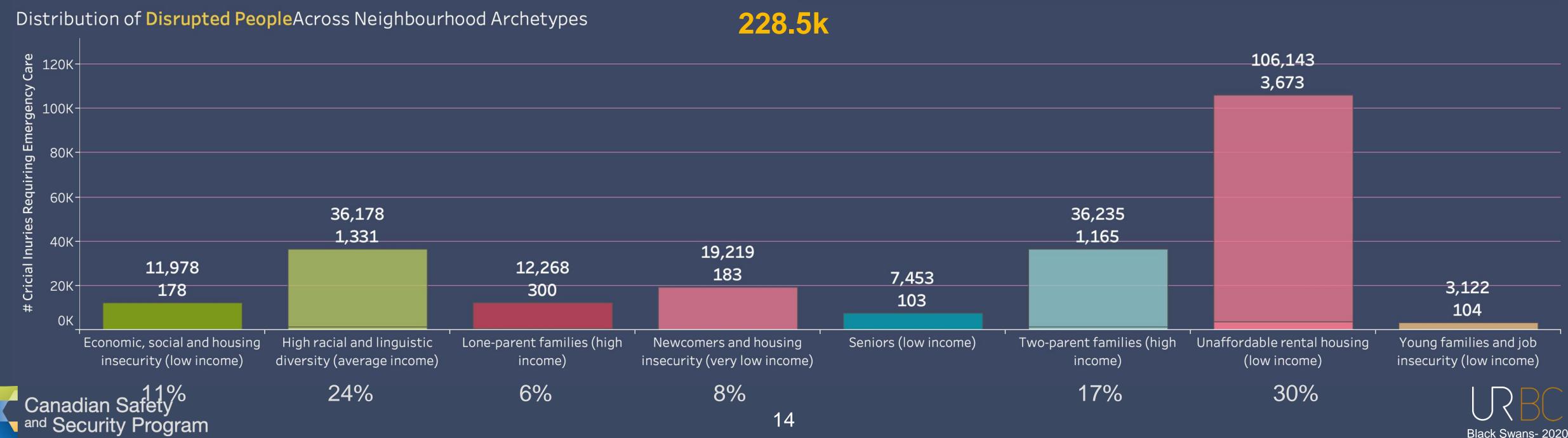
EARTHQUAKE IMPACTS - Recovery Time (baseline conditions)

STRAIN ON SOCIAL FABRIC - Loss of Habitation for > 30 Days



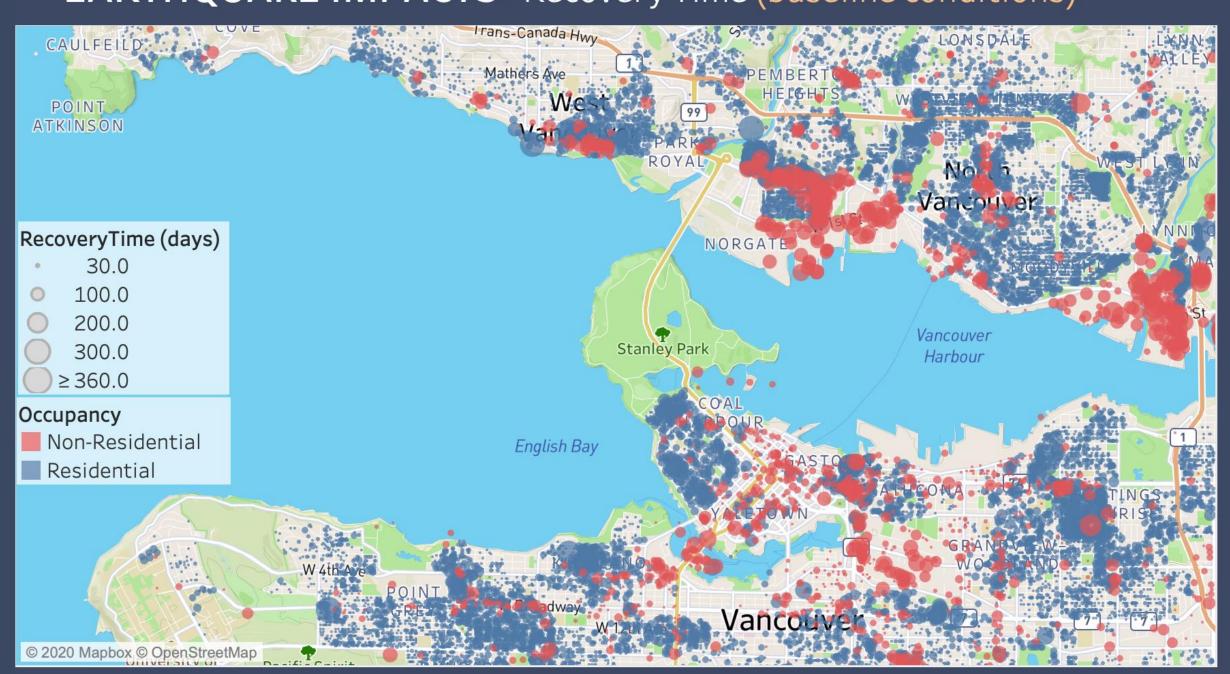


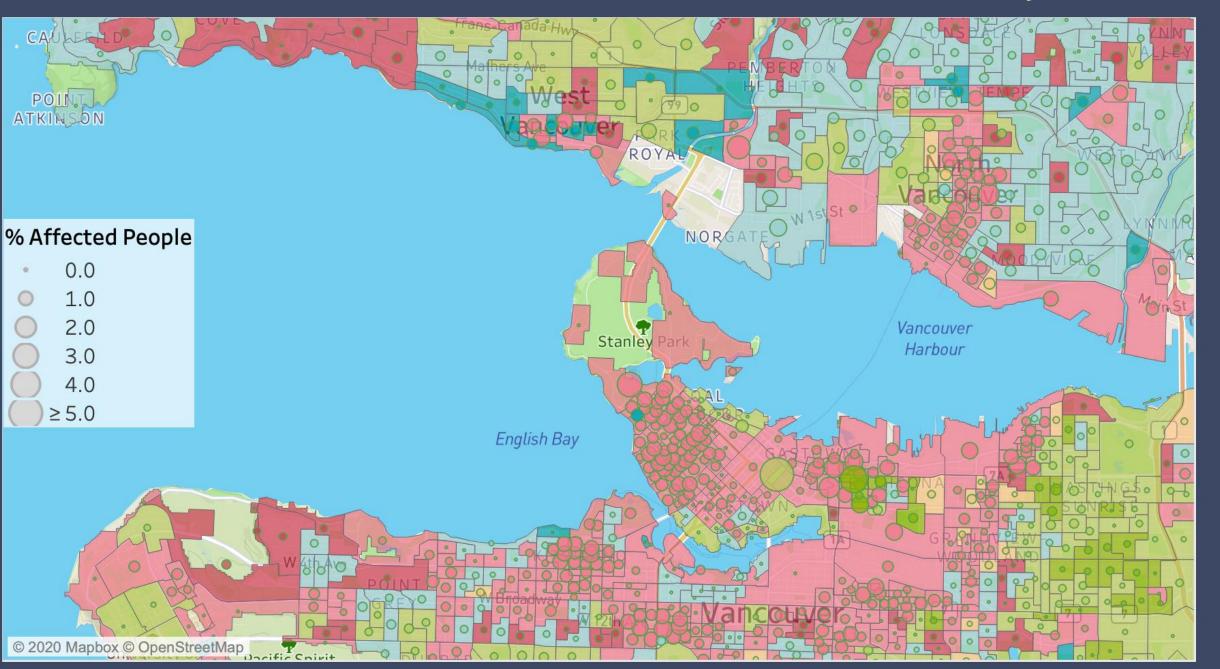
Black Swans- 2020

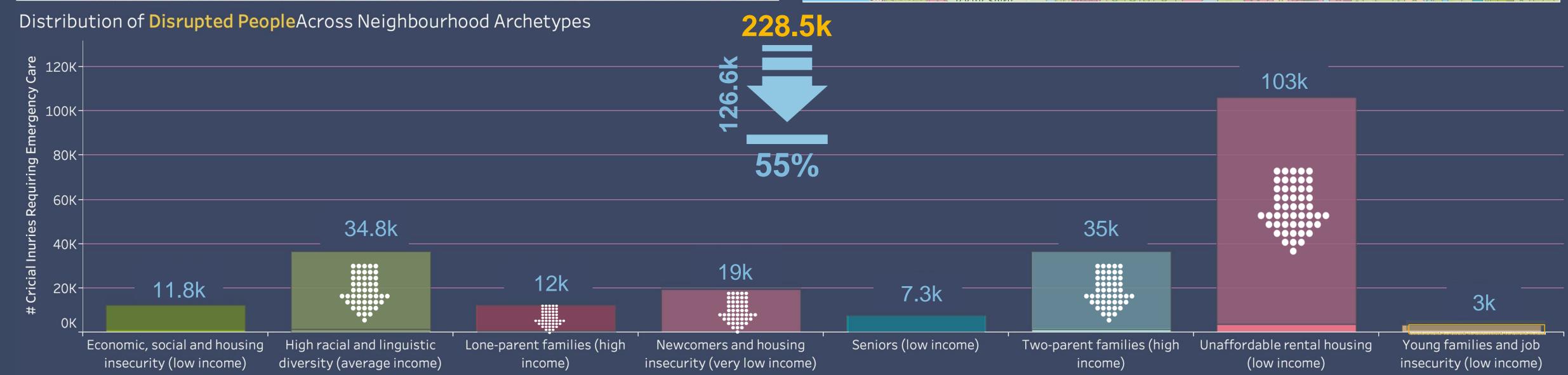


EARTHQUAKE IMPACTS - Recovery Time (baseline conditions)

STRAIN ON SOCIAL FABRIC - Loss of Habitation for > 30 Days





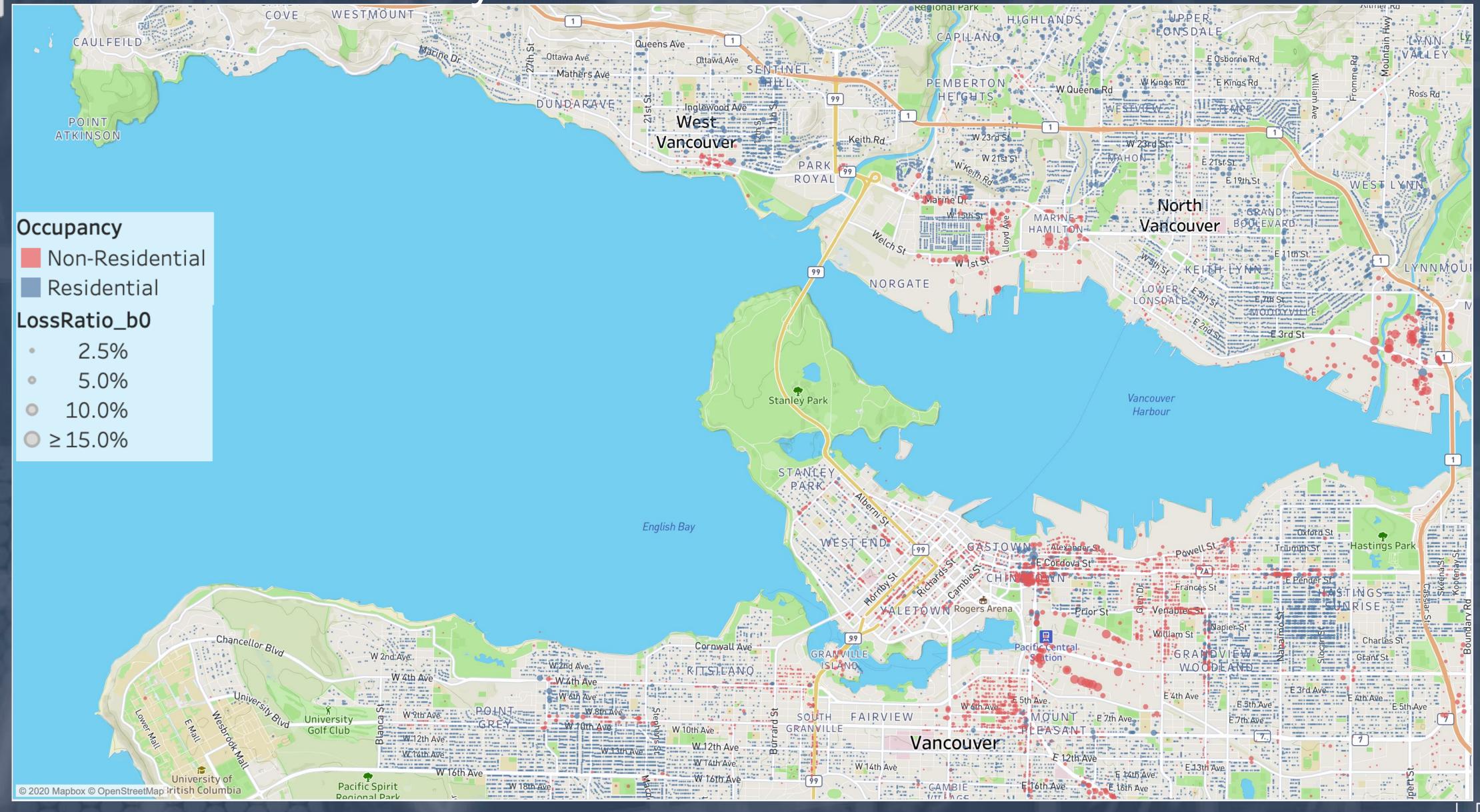








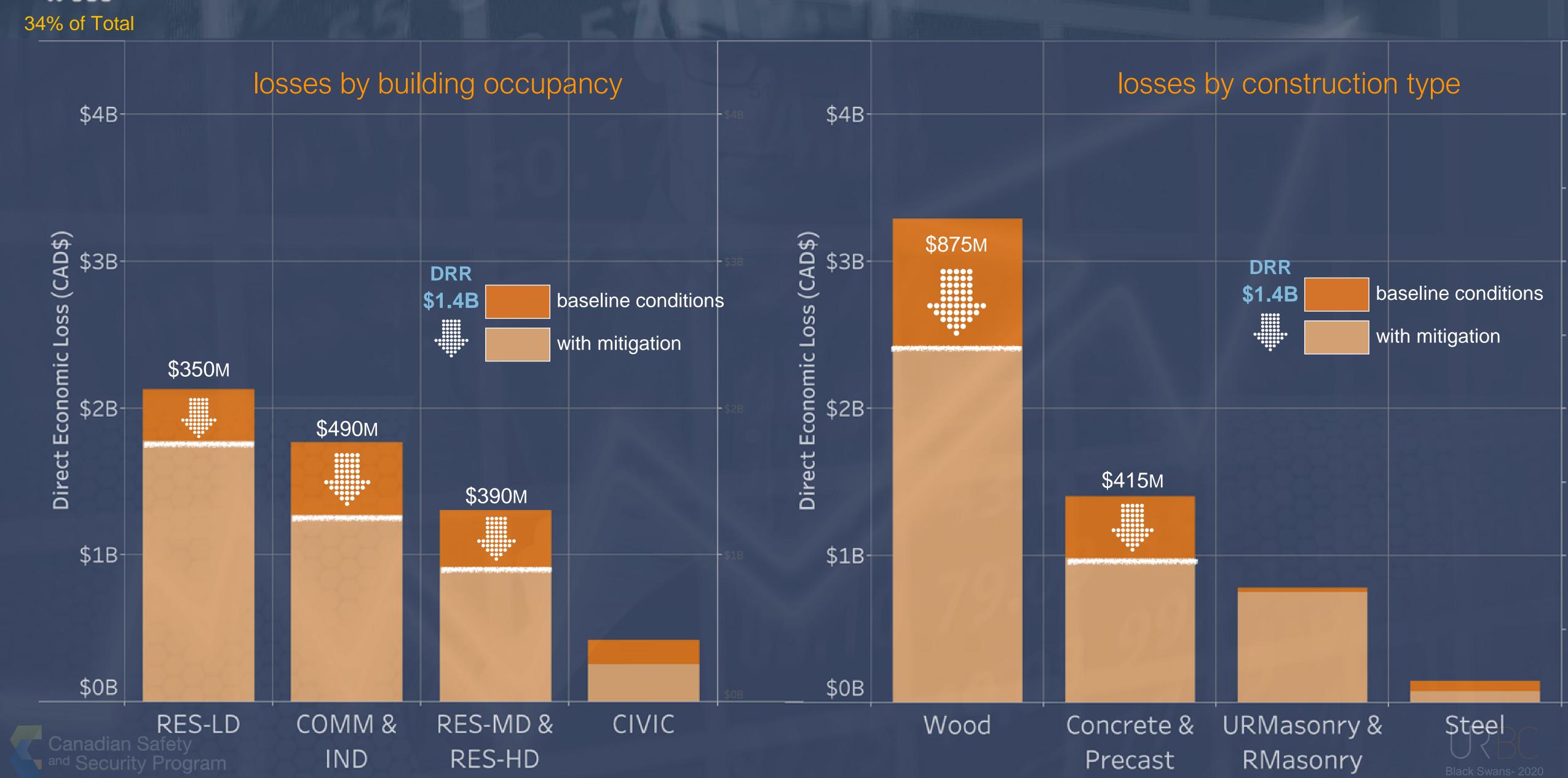
Economic Security: 5.6B caps in direct economic loss





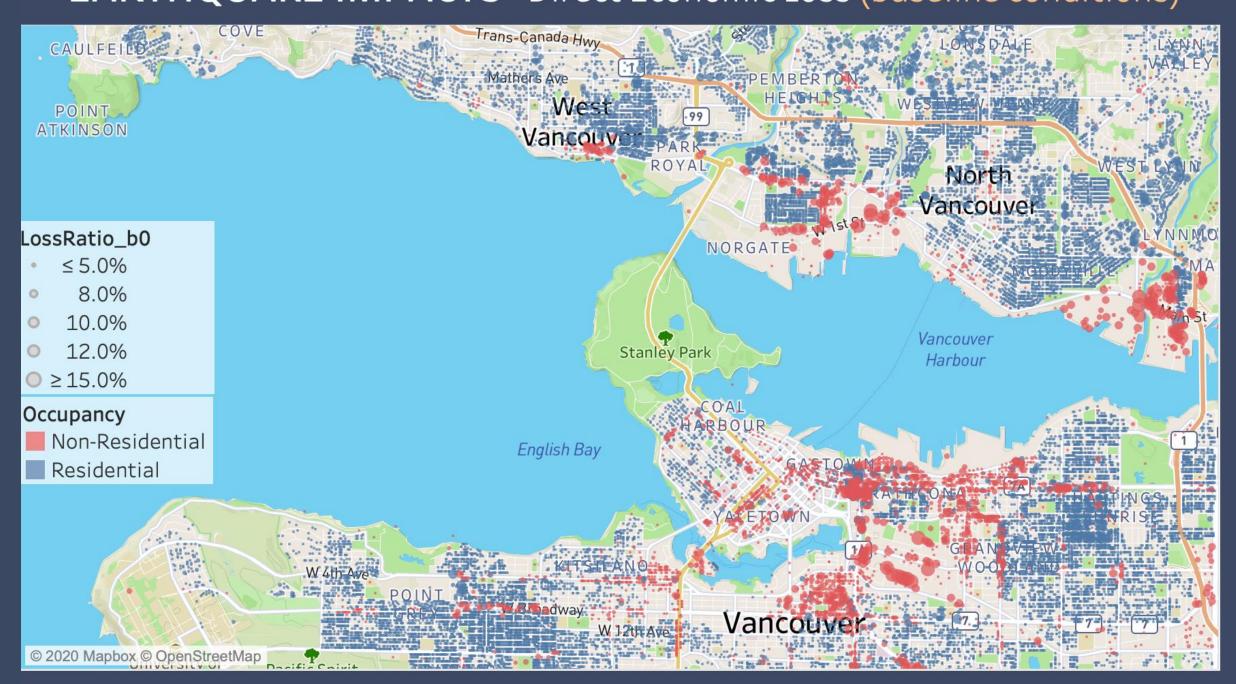


Economic Security: 5.6B cap\$ in direct economic loss

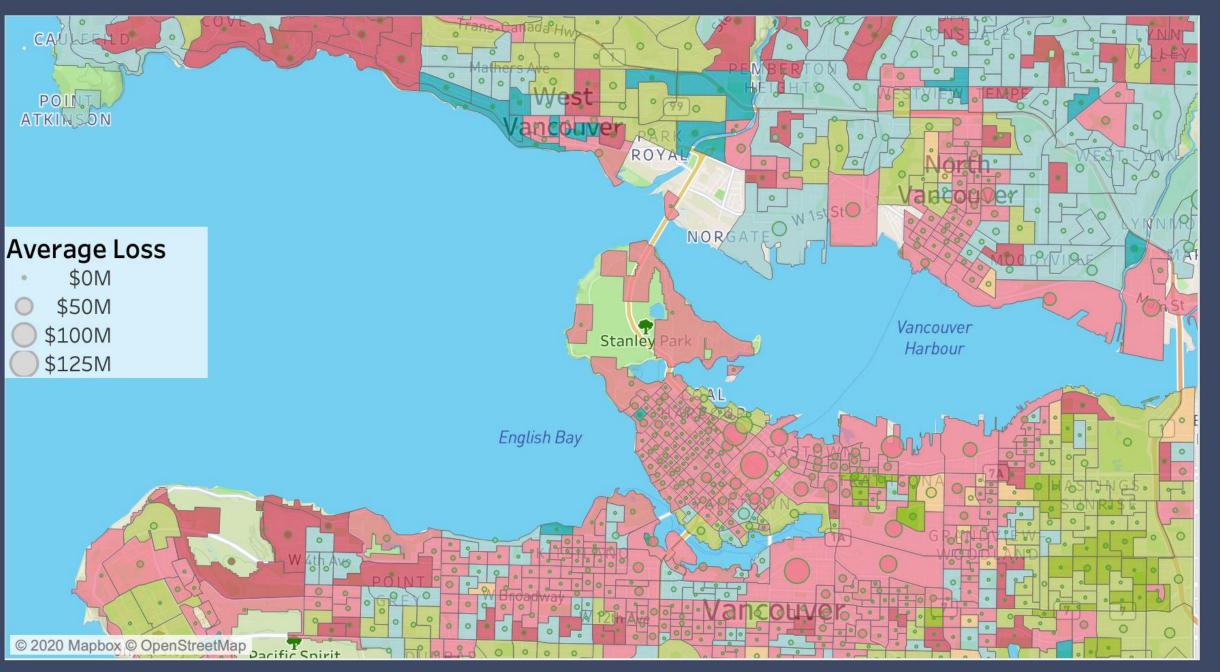


EARTHQUAKE IMPACTS - Direct Economic Loss (baseline conditions)

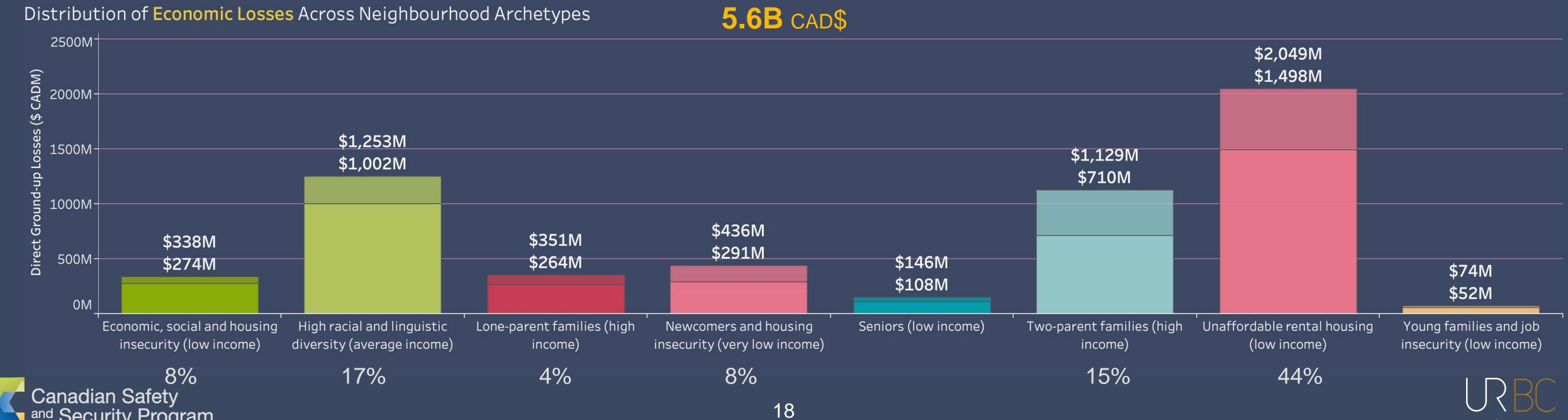
STRAIN ON SOCIAL FABRIC - Financial Hardship



and Security Program

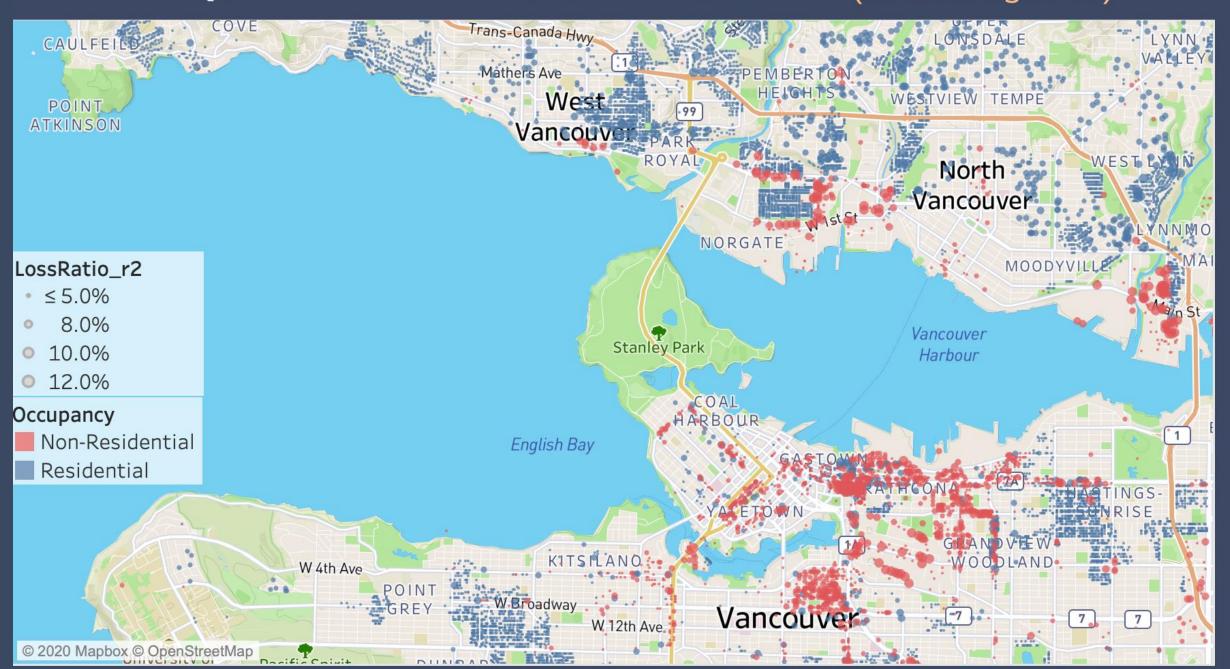


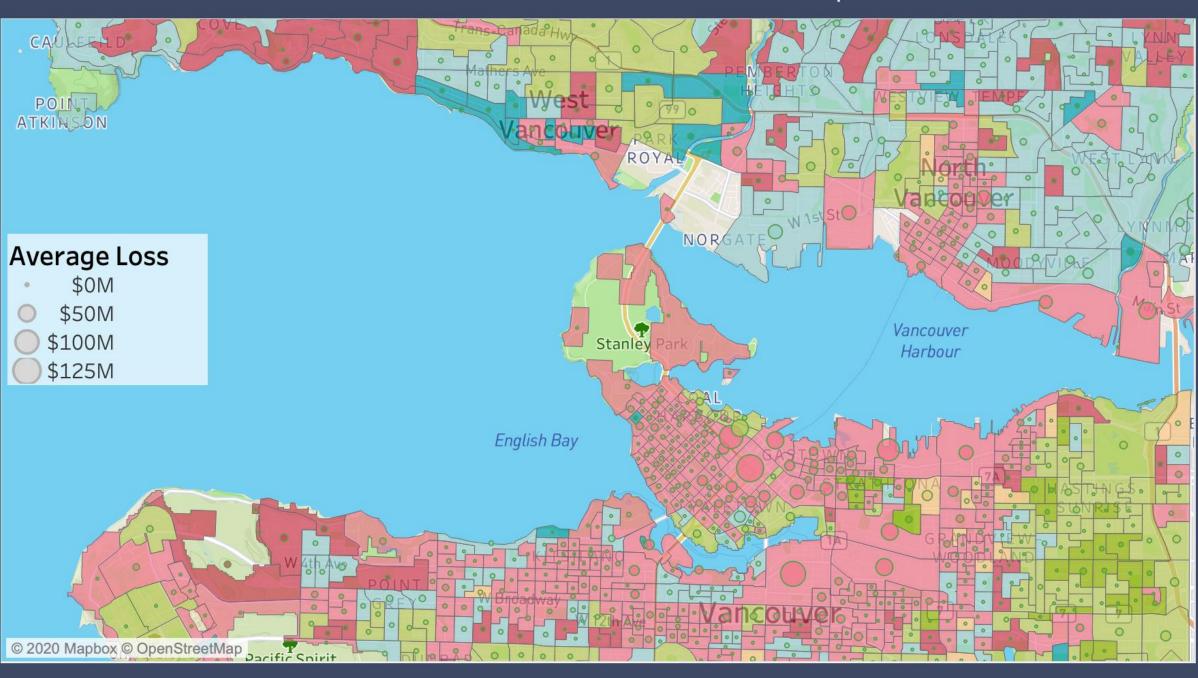
Black Swans- 2020

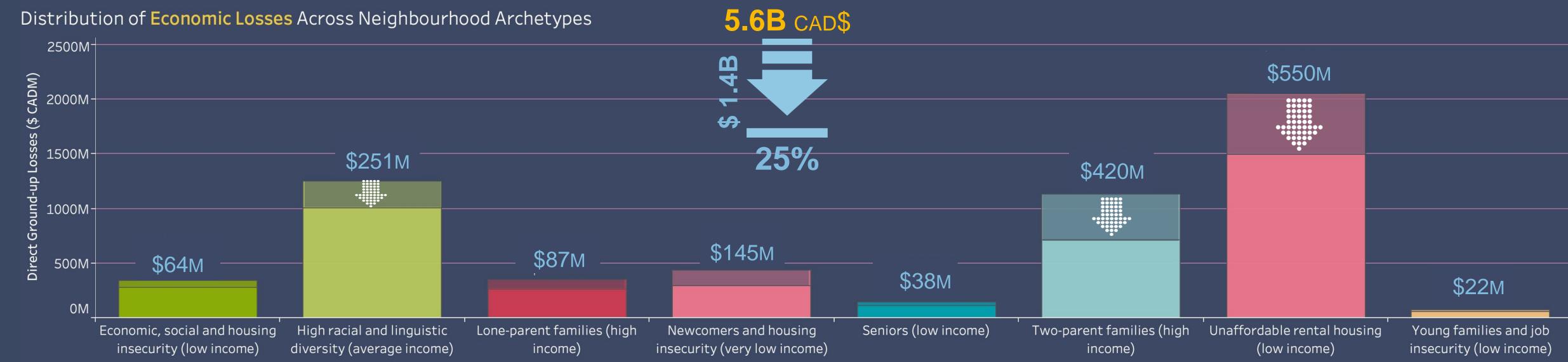


EARTHQUAKE IMPACTS - Direct Economic Loss (with mitigation)

STRAIN ON SOCIAL FABRIC - Financial Hardship

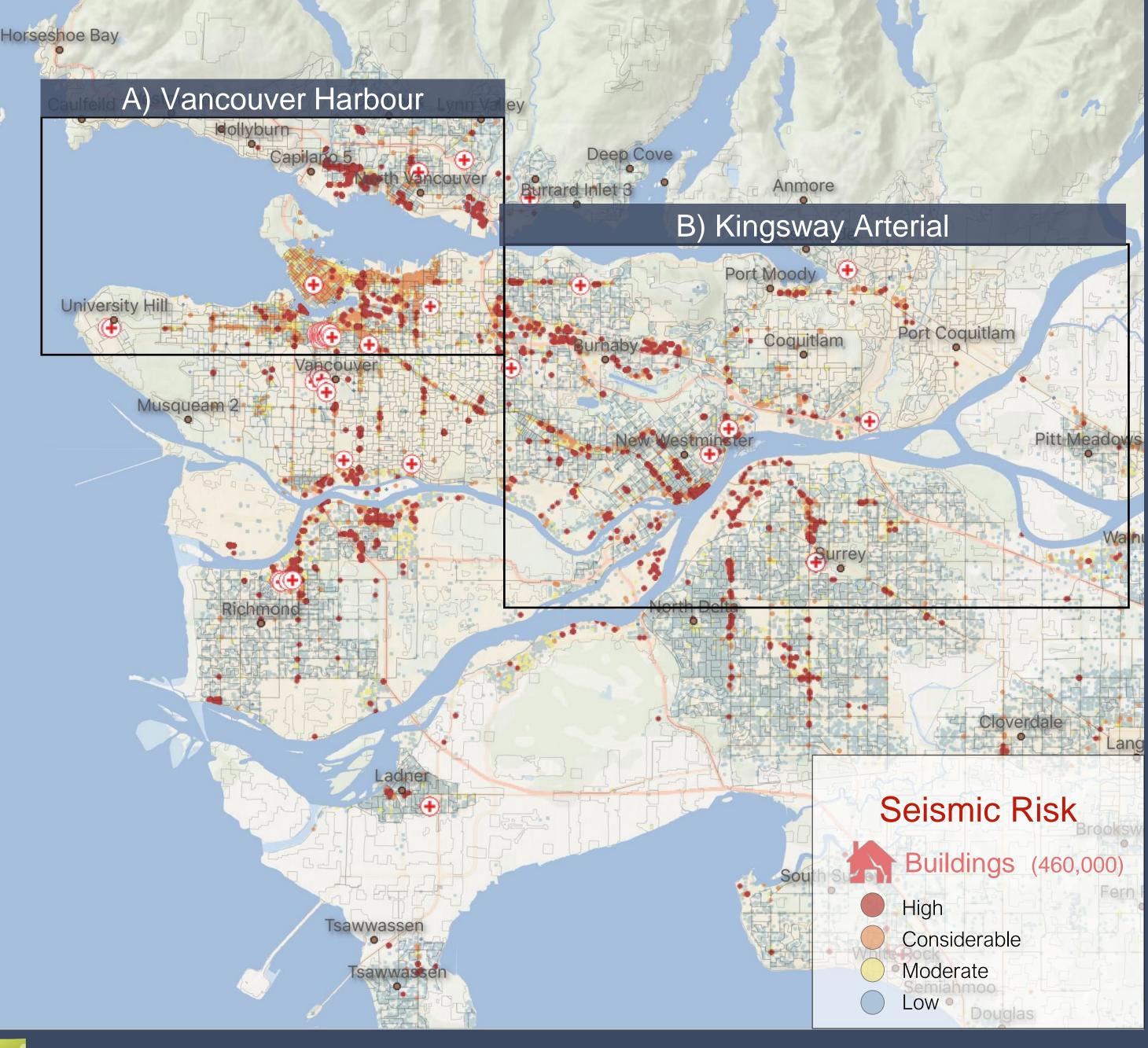














- Are you surprised by the any of the risk information shared today?
- Does the integration of physical & social impacts change your perception of risk?

Breakout Session 2

3. Identify actions/policies that will be effective in promoting functional recovery by:



- Increasing physical resistance
- Accelerating response/recovery functions
- Minimizing burden of risk on vulnerable populations

