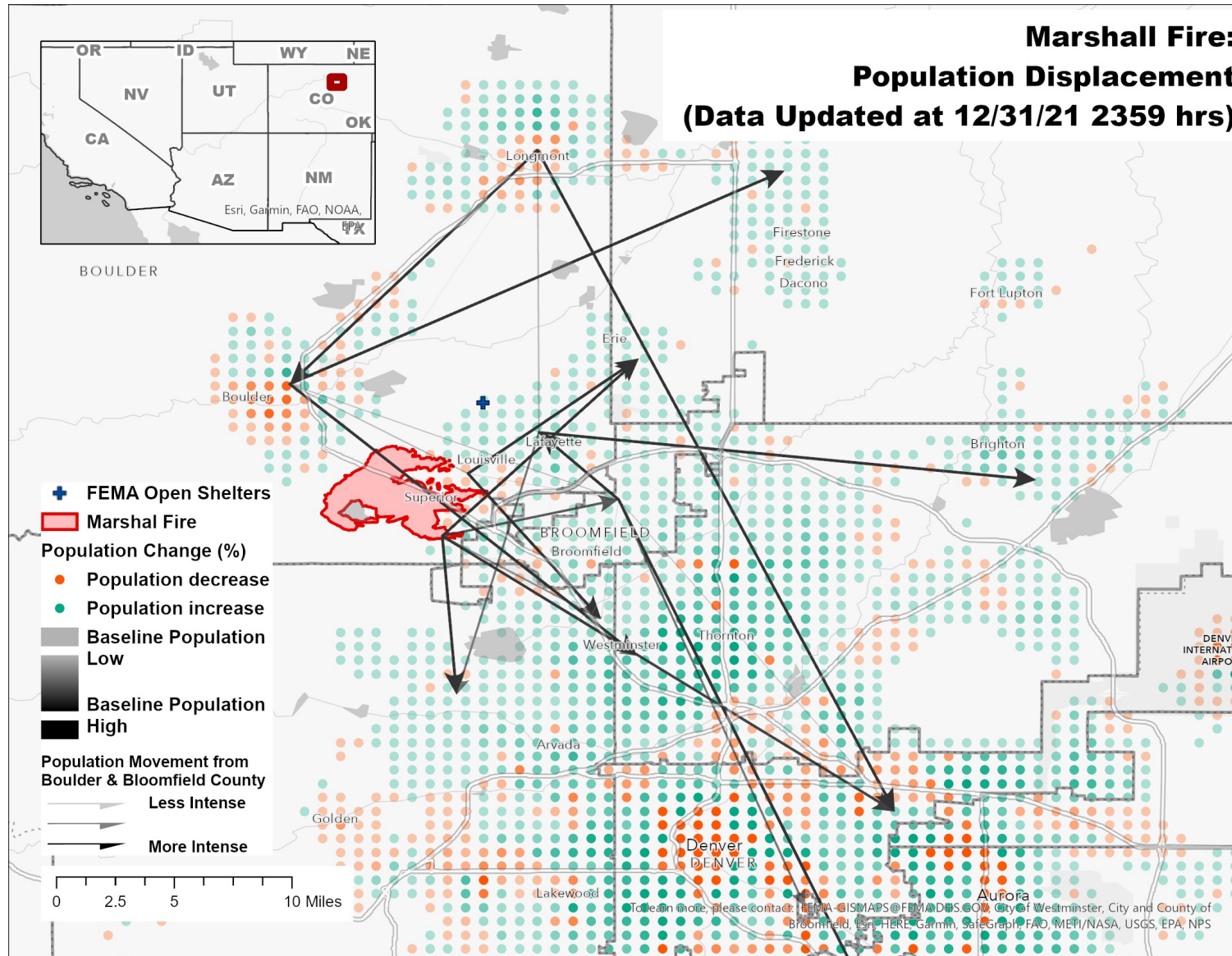


Population Change Situation Report: Immediate Population Change And Movement After Fire Broke

Marshall Fire: Boulder County, CO (30 December, 2021 - 5 January, 2022)



Data Sources

- Inset map based on: Facebook Data for Good, Population Density Changes Data, 2022
- Geographical boundaries are obtained from US Census Bureau [TIGER/Lines Shapefiles](https://www.census.gov/data/tiger/tigerline.html)
- Note on the calculations
 - Change in population density is calculated according to the change in the proportion of Facebook users relative to a baseline measure from 90 days prior to the onset of the crisis.
 - Movement vectors are clustered from 1-km tiles to US Census Places

Remarks

- Some movement vectors point to places with significant population decrease (e.g. Denver). Lower-than-usual population in major cities occurred on New Year's Eve. The signal of incoming population from fire-affected areas was not picked up by the FB Data for Good Population Data.

Creation Date - 6 Jan. 2022

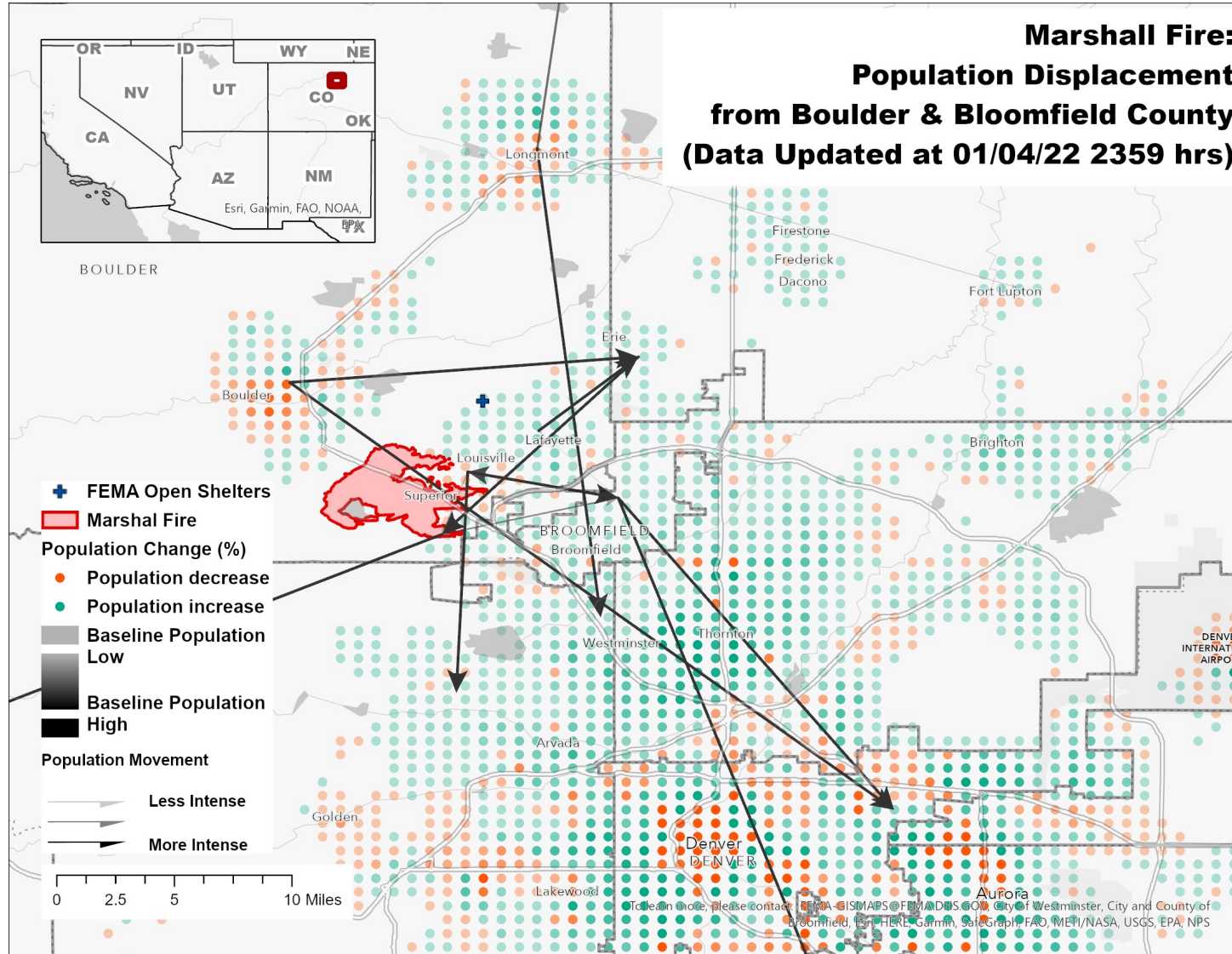
Contact/Feedback - ASchroeder@directrelief.org / jennifer-chan@northwestern.edu

CrisisReady - <https://crisisready.io>

Population Change Situation Report

Population Gradually Return To Pre-Crisis Situation Near Fire Perimeter

Marshall Fire: Boulder County, CO (30 December, 2021 - 5 January, 2022)



Data Sources

- Inset map based on: Facebook Data for Good, Population Density Changes Data, 2022
- Geographical boundaries are obtained from US Census Bureau [TIGER/Lines Shapefiles](https://www.census.gov/data/tigerline-shapefiles.html)
- Note on the calculations
 - Change in population density is calculated according to the change in the proportion of Facebook users relative to a baseline measure from 90 days prior to the onset of the crisis.

Remarks

- Population in small and major cities of Adams and Denver County increased after holiday. Such increase may overshadow the signal of population change caused by post-fire return in these cities.
- Population near fire perimeter has increased, but the closest area to the fire perimeter may endure a long-term population decrease due to the loss of homes.

Creation Date - 6 Jan. 2022

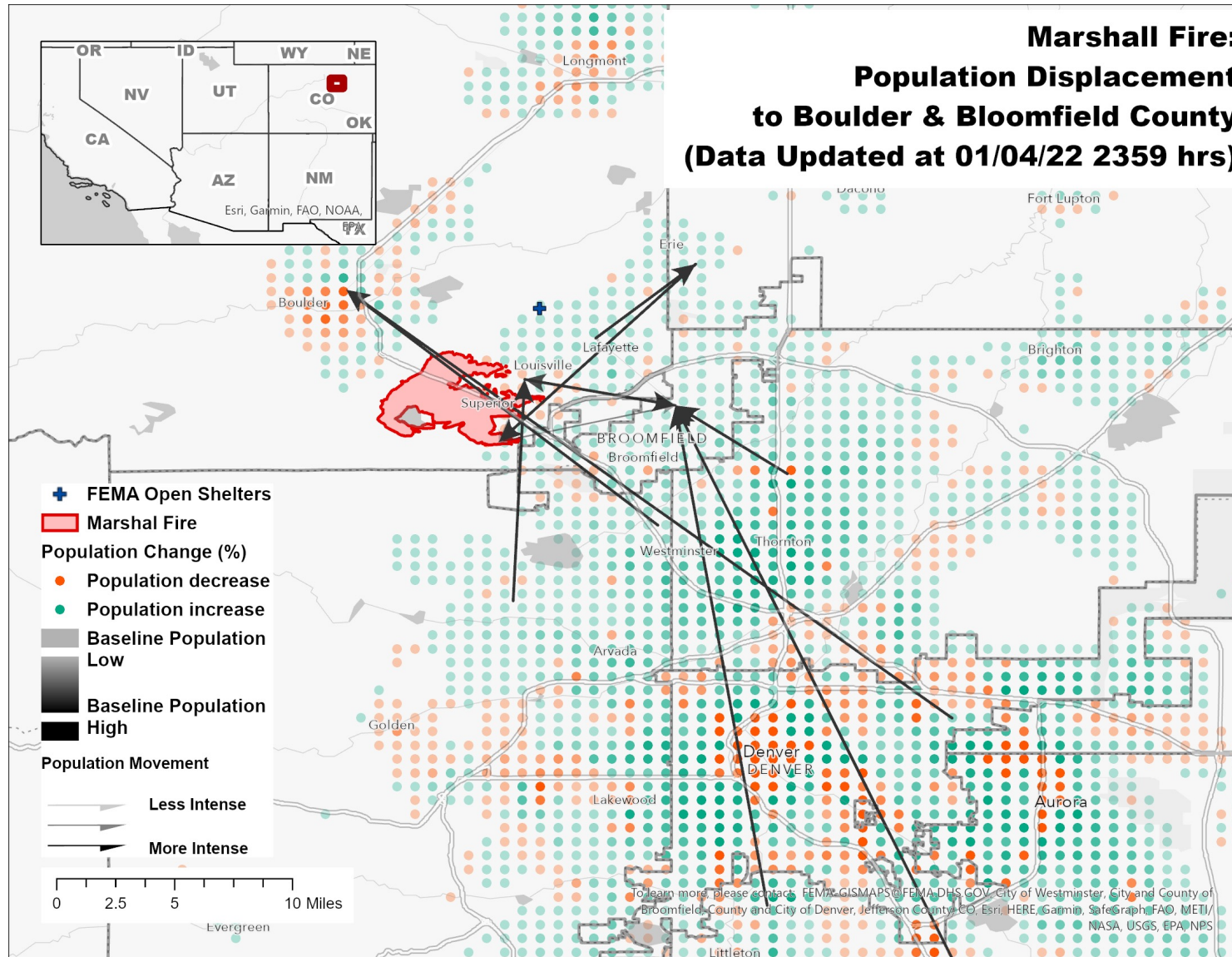
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Population Change Situation Report

Population Gradually Return To Pre-Crisis Situation Near Fire Perimeter

Marshall Fire: Boulder County, CO (30 December, 2021 - 5 January, 2022)



Data Sources

- Inset map based on: Facebook Data for Good, Population Density Changes Data, 2022
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- Population in small and major cities of Adams and Denver County increased after holiday. Such increase may overshadow the signal of population change caused by post-fire return in these cities.
- Population near fire perimeter has increased, but the closest area to the fire perimeter may endure a long-term population decrease due to the loss of homes.

Creation Date - 6 Jan. 2022

Contact/Feedback - ASchroeder@directrelief.org / jennifer-chan@northwestern.edu

CrisisReady - <https://crisisready.io>

Population Change Situation Report: County-Level Population Change

Marshall Fire: Boulder County, CO (30 December, 2021 - 5 January, 2022)

Data Sources

- Inset map based on: Facebook Data for Good, Population Density Changes Data, 2022
- Geographical boundaries are obtained from US Census Bureau [TIGER/Lines Shapefiles](#)
- Note on the calculations
 - Change in population density is calculated according to the change in the proportion of Facebook users relative to a baseline measure from 90 days prior to the onset of the crisis.

Remarks

- Population in small and major cities of Adams and Denver County increased after holiday. Such increase may overshadow the signal of population change caused by post-fire return in these cities.
- Population near fire perimeter has increased, but the closest area to the fire perimeter may endure a long-term population decrease due to the loss of homes.

