

Supplemental Figures for “Non-pharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic”

**Figures 1-4.** Scatterplots of public health response time (PHRT) by time to first peak, PHRT by magnitude of first peak, PHRT by excess P&I mortality rate, and total NPI-days by excess P&I mortality rate for 43 U S cities, September 8, 1918-February 22, 1919.

**Figure 1.** PHRT by time to first peak.

**Figure 2.** PHRT by magnitude of first peak.

**Figure 3.** PHRT by excess P&I mortality.

**Figure 4.** Total NPI-days by excess P&I mortality.

**Figure 5.** Aggregate weekly excess death rates for 43 U S cities by region (East, Midwest, West), September 8, 1918-February 22, 1919.

**Figures 6-48.** Weekly excess death rates, NPIs implemented and when, date of first case, date excess death rate first exceeds twice the baseline death rate, and date first NPI implemented for 43 U S cities, September 8, 1918-February 22, 1919.

**Figure 6.** Albany, NY

**Figure 7.** Baltimore, MD

**Figure 8.** Birmingham, AL

**Figure 9.** Boston, MA

**Figure 10.** Buffalo, NY

**Figure 11.** Cambridge, MA

**Figure 12.** Chicago, IL

**Figure 13.** Cincinnati, OH

**Figure 14.** Cleveland, OH

**Figure 15.** Columbus, OH

**Figure 16.** Dayton, OH

**Figure 17.** Denver, CO

**Figure 18.** Fall River, MA

**Figure 19.** Grand Rapids, MI

**Figure 20.** Indianapolis, IN

**Figure 21.** Kansas City, MO

**Figure 22.** Los Angeles, CA

**Figure 23.** Louisville, KY

**Figure 24.** Lowell, MA

**Figure 25.** Milwaukee, WI

**Figure 26.** Minneapolis, MN

**Figure 27.** Nashville, TN

**Figure 28.** New Haven, CT

**Figure 29.** New Orleans, LA

**Figure 30.** New York, NY

**Figure 31.** Newark, NJ

**Figure 32.** Oakland, CA

**Figure 33.** Omaha, NB

**Figure 34.** Philadelphia, PA

**Figure 35.** Pittsburgh, PA

**Figure 36.** Portland, OR

**Figure 37.** Providence, RI

**Figure 38.** Richmond, VA

**Figure 39.** Rochester, NY

**Figure 40.** St. Louis, MO

**Figure 41.** St. Paul, MN

**Figure 42.** San Francisco, CA

**Figure 43.** Seattle, WA

**Figure 44.** Spokane, WA

**Figure 45.** Syracuse, NY

**Figure 46.** Toledo, OH

**Figure 47.** Washington, DC

**Figure 48.** Worcester, MA

**Figure 49.** Other NPIs implemented for 43 U S cities, September 8, 1918-February 22, 1919.

**Figures 50-52.** Scatterplots of total excess P&I mortality comparing successive waves of the pandemic, Spring, 1918: January, 1918 - April, 1918; Fall, 1918: September, 1918 - December, 1918; Winter, 1919: January, 1919 - April, 1919; and Winter, 1920: January, 1920 - April, 1920 for 43 U S study cities.

**Figure 50.** Fall, 1918 by Spring, 1918.

**Figure 51.** Winter, 1919 by Fall, 1918.

**Figure 52.** Winter, 1920 by Winter, 1919.

**Figures 53-59.** Scatterplots of total excess P&I mortality by population, population density, gender distribution, percentage of population under 5 years, 15 to 40 years, and over 65 years of age for 43 U S cities, September 8, 1918 - February 22, 1919.

**Figure 53.** Total excess P&I mortality by population.

**Figure 54.** Total excess P&I mortality by population density.

**Figure 55.** Total excess P&I mortality by percentage male.

**Figure 56.** Total excess P&I mortality by percentage under age 5 years.

**Figure 57.** Total excess P&I mortality by percentage age 15 to 40 years.

**Figure 58.** Total excess P&I mortality by percentage over age 65 years.

**Figure 59.** Total excess P&I mortality by total percentage under age 5 years, 15 to 40 years, and over 65 years.