Summary Trend Tables:

Focus on Monthly Trends in the Rate of In-Hospital Mortality, January 2019–June 2020

December 18, 2020

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INTRODUCTION

The following graphs display monthly trends in the rate of in-hospital mortality per 100 inpatient discharges from January 2019 to June 2020 for each of nine States. The graphed information is taken from the Healthcare Cost and Utilization Project (HCUP) Summary Trend Tables which contain State-specific monthly trends in hospital utilization. The Summary Trend Tables are in turn derived from the HCUP State Inpatient Databases (SID). HCUP would not be possible without the contributions of the data collection Partners from across the United States. A list of the HCUP Partner organizations with data supporting this report is in Appendix A. A brief background on the HCUP SID is provided in Appendix B.

There are six sets of graphs showing trends in the in-hospital mortality rate. Each set presents trends by one of the following six dimensions:

1. Inpatient encounter type
    - Inpatient stays for normal newborn
    - Inpatient stays for delivery
    - Non-elective inpatient stays, admitted through the ED
    - Non-elective inpatient stays, not admitted through ED
    - Elective inpatient stays
2. Priority condition
    - COVID-19
    - Influenza
    - Other acute or viral respiratory infections
3. Age of the patient
    - Age 0-17 years
    - Age 18-64 years
    - Age 65+ years
4. Race/ethnicity of the patient
    - White, non-Hispanic
    - Black, non-Hispanic
    - Hispanic
    - All other non-Hispanics
5. Urban-rural location of the patient's county of residence
    - Large metropolitan
    - Medium and small metropolitan
    - Non-metropolitan
6. Community-level income
    - Quartile 1, lowest income
    - Quartiles 2-3, middle income
    - Quartile 4, highest income

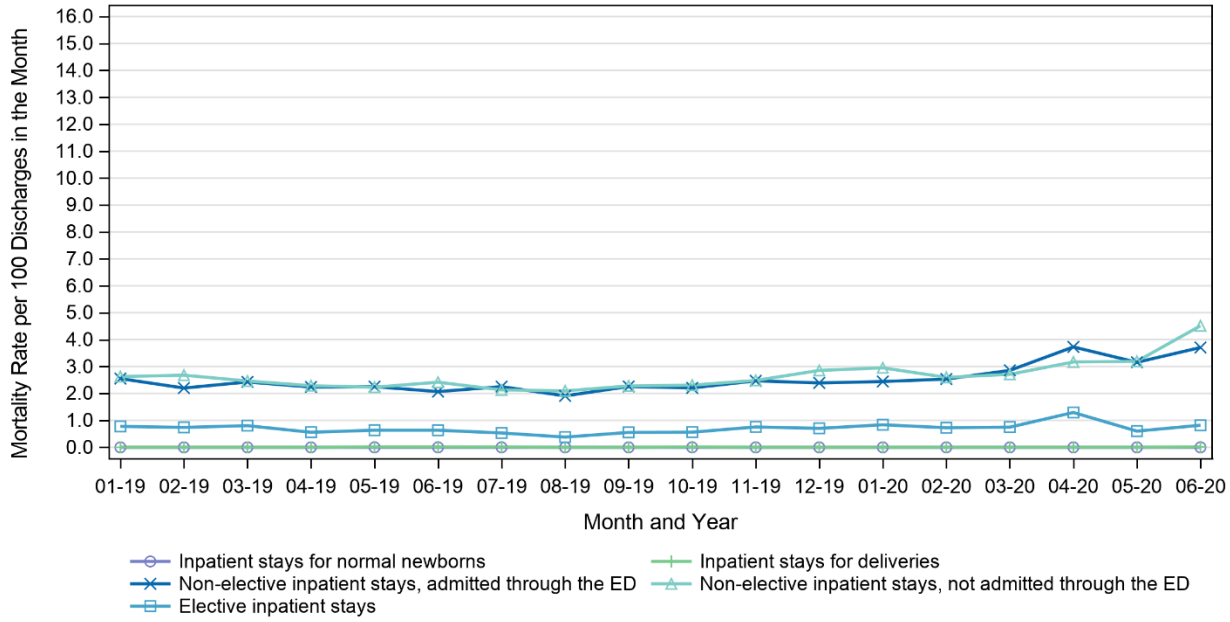
Further information including the number of discharges, percent of total discharges, and average length of stay, as well as a description of the methodology used, are included in the HCUP Summary Trend Tables.

1. INPATIENT ENCOUNTER TYPE

The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively). In addition, the HCUP Summary Trend Tables provide separate detailed tables for each of the inpatient encounter types:

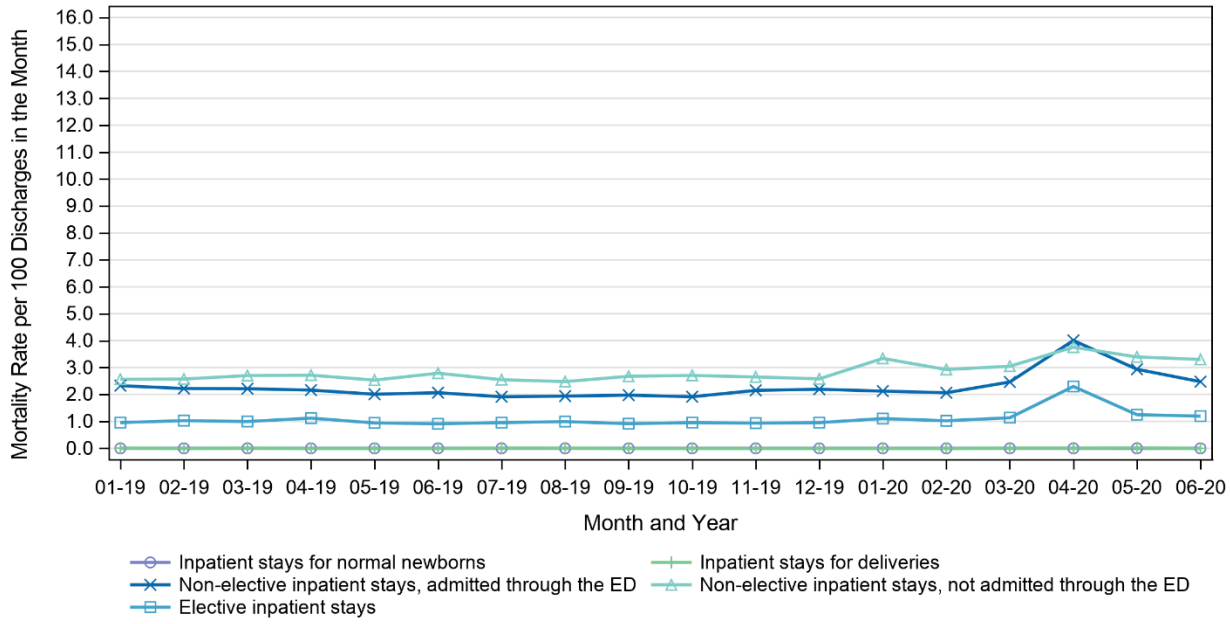
- Tables 6a-6c for normal newborns
- Tables 7a-7c for deliveries
- Tables 8a-8d for non-elective inpatient stays admitted through the ED
- Tables 9a-9d for non-elective inpatient stays not admitted through the ED
- Tables 10a-10d for elective inpatient stays.

Figure 1.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



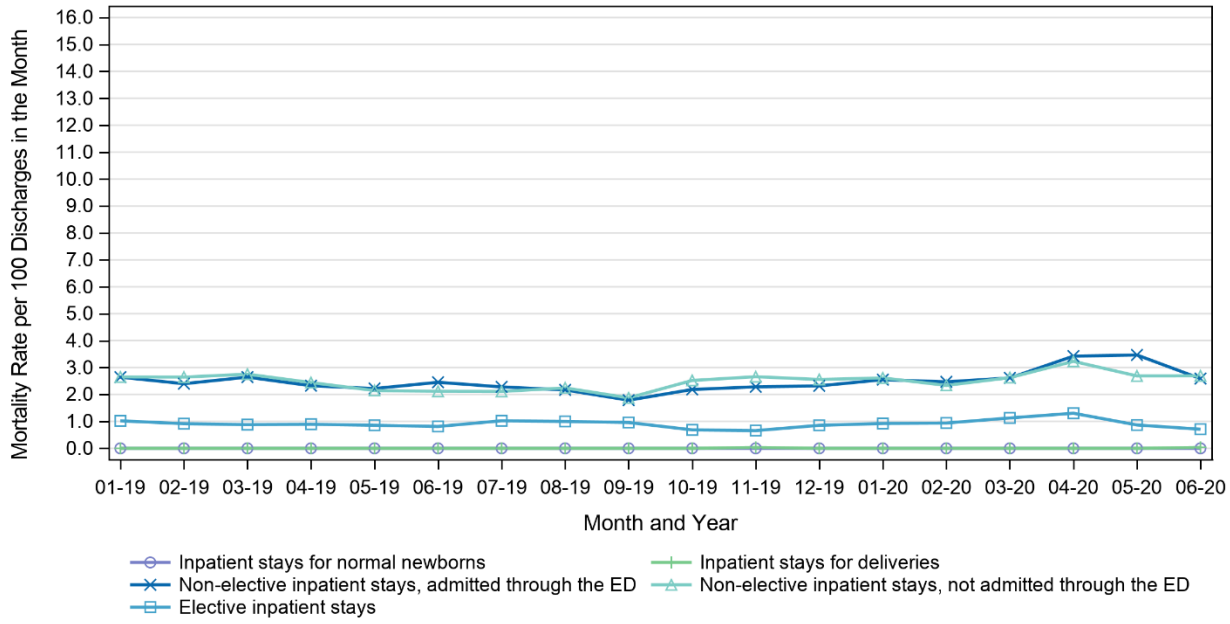
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



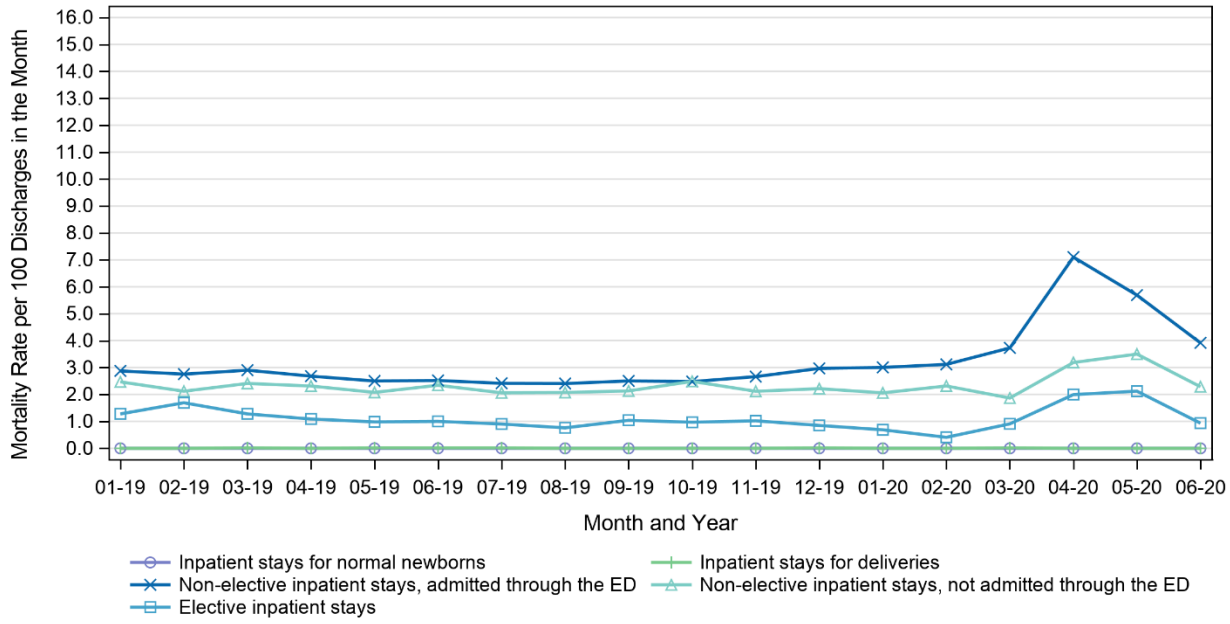
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



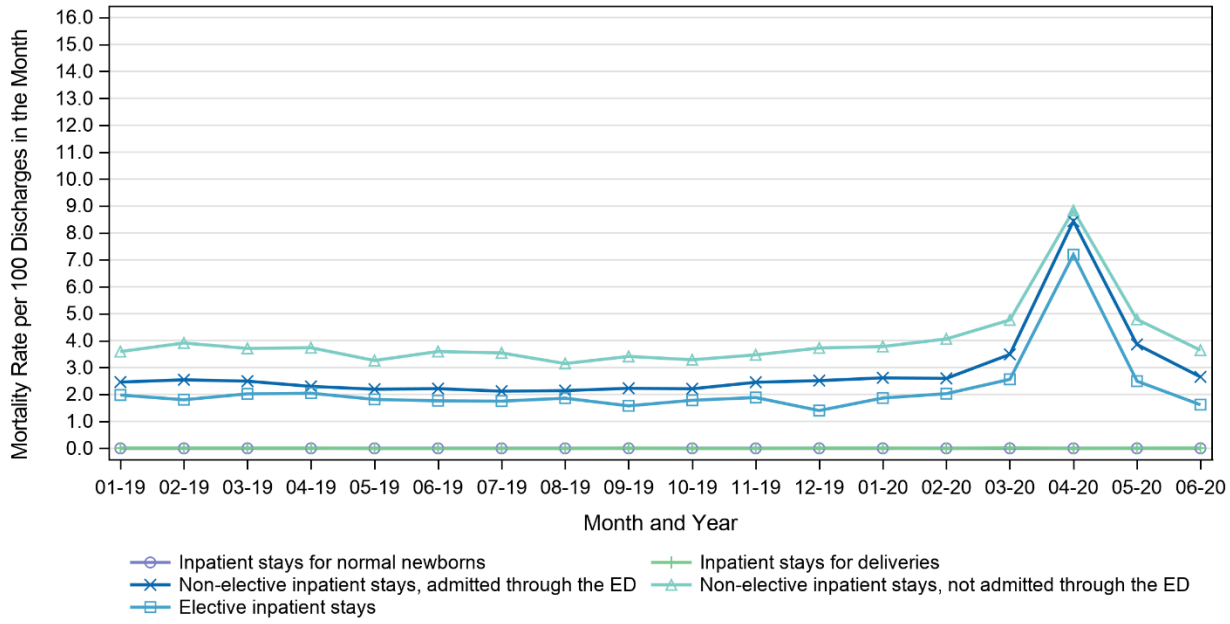
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



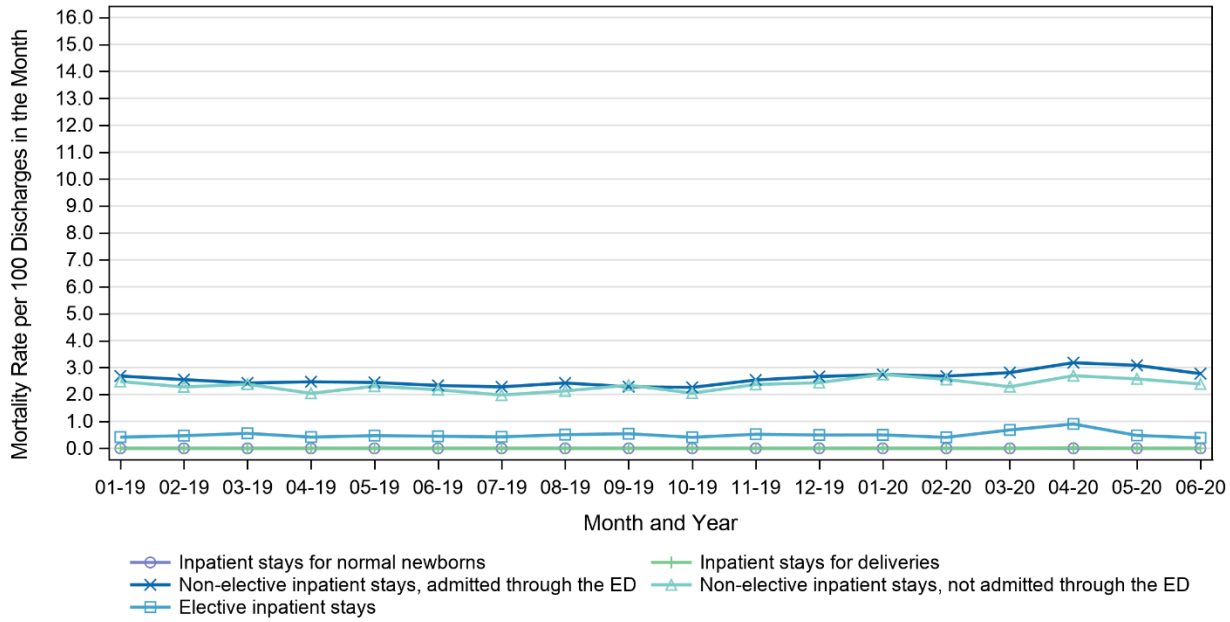
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



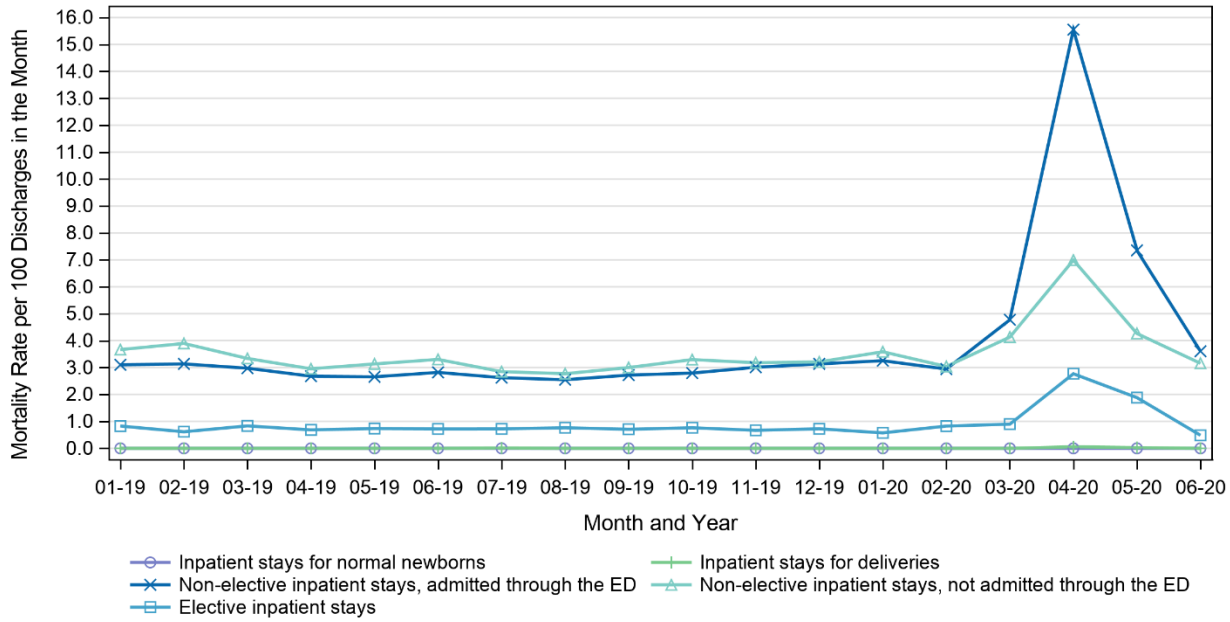
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



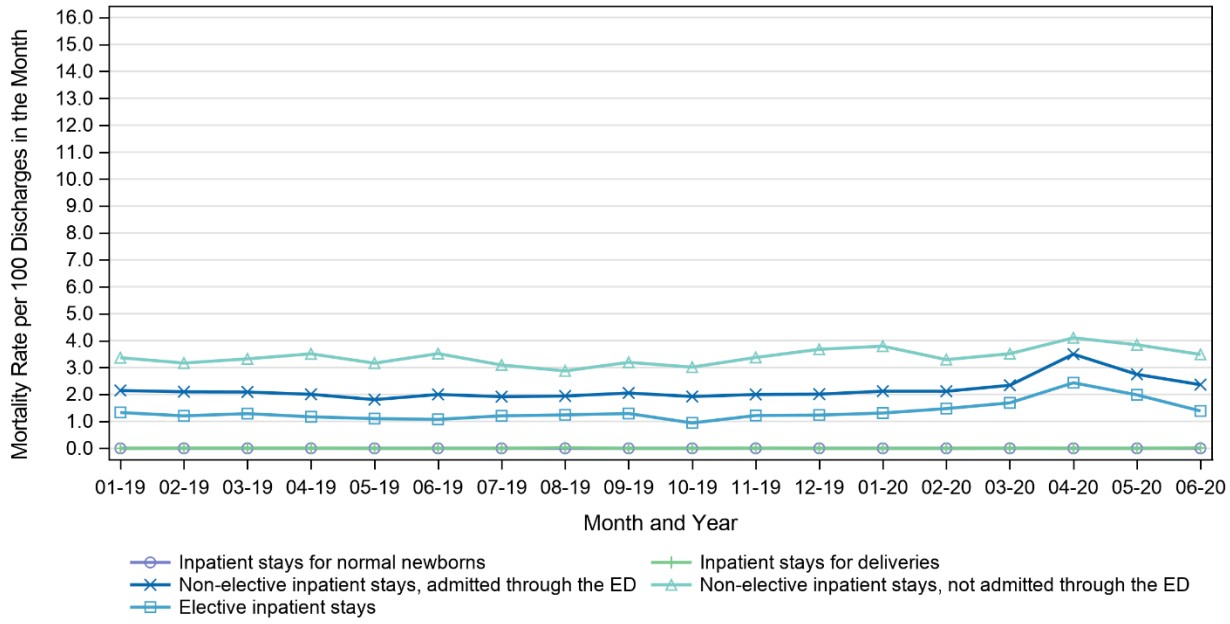
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



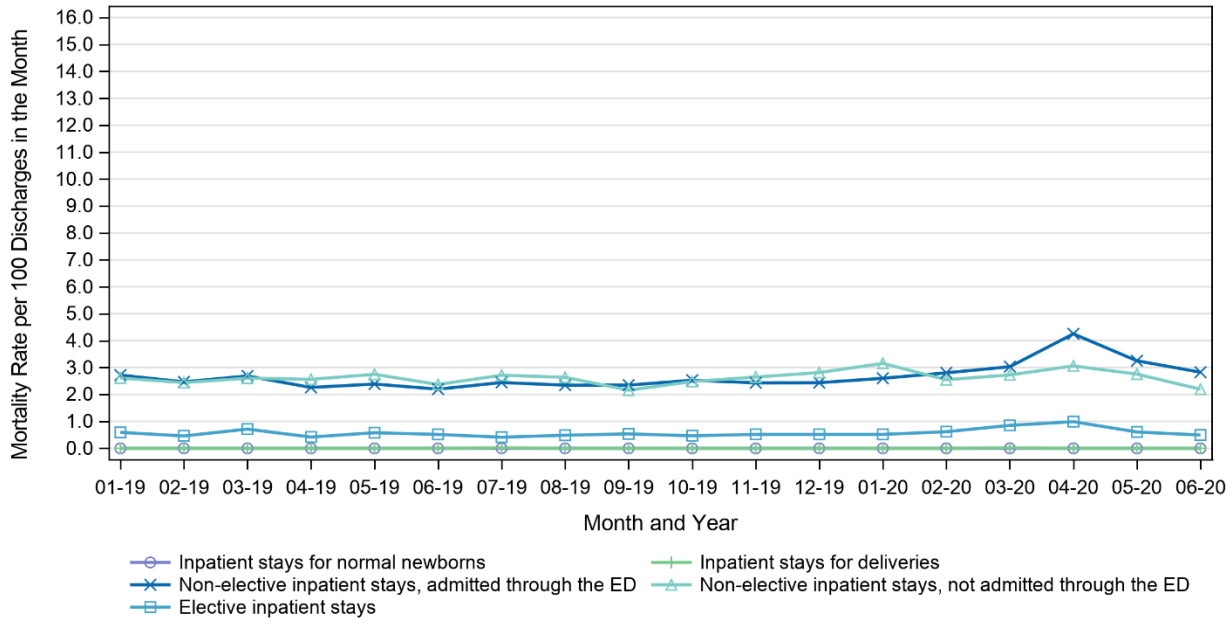
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 1.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Inpatient Encounter Type, January 2019 to June 2020



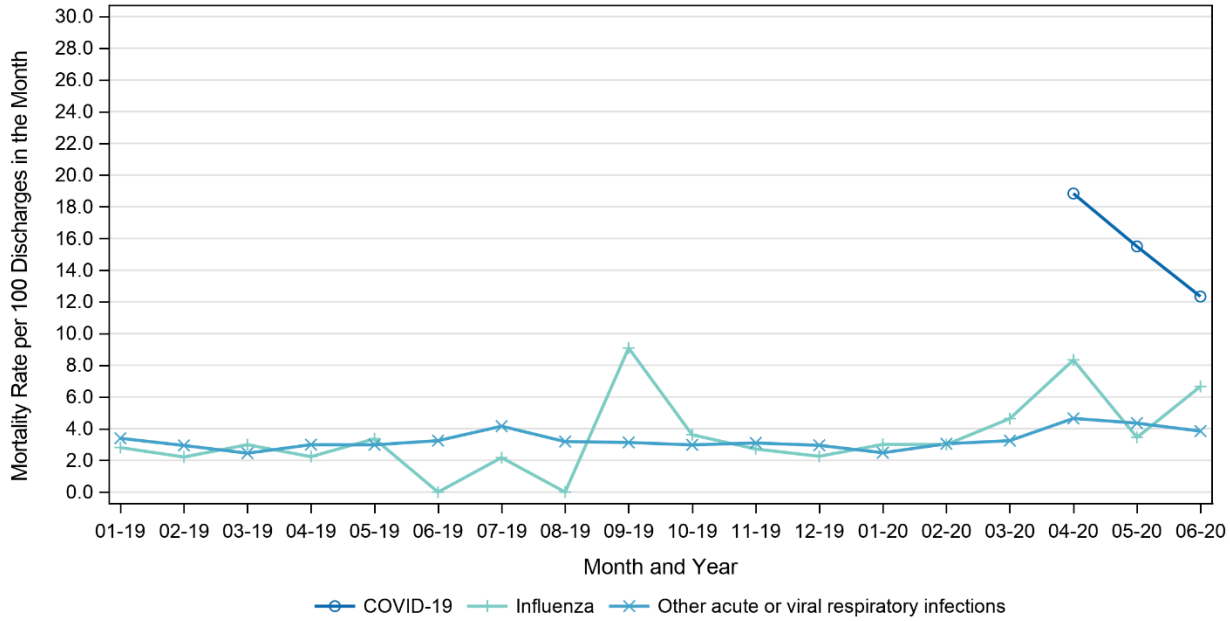
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

2. PRIORITY CONDITIONS

The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively). In addition, the HCUP Summary Trend Tables provide separate detailed tables for each of the priority conditions:

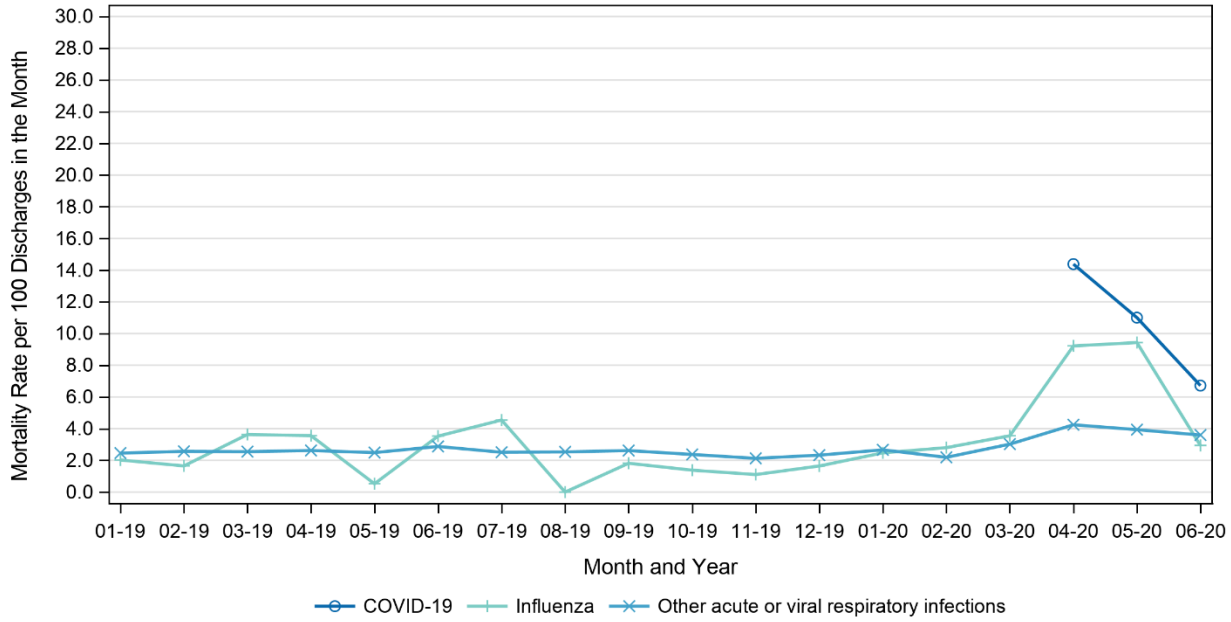
- Tables 3a-3d for COVID-19
- Tables 4a-4d for influenza
- Tables 5a-5d for other acute or viral respiratory infections.

Figure 2.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



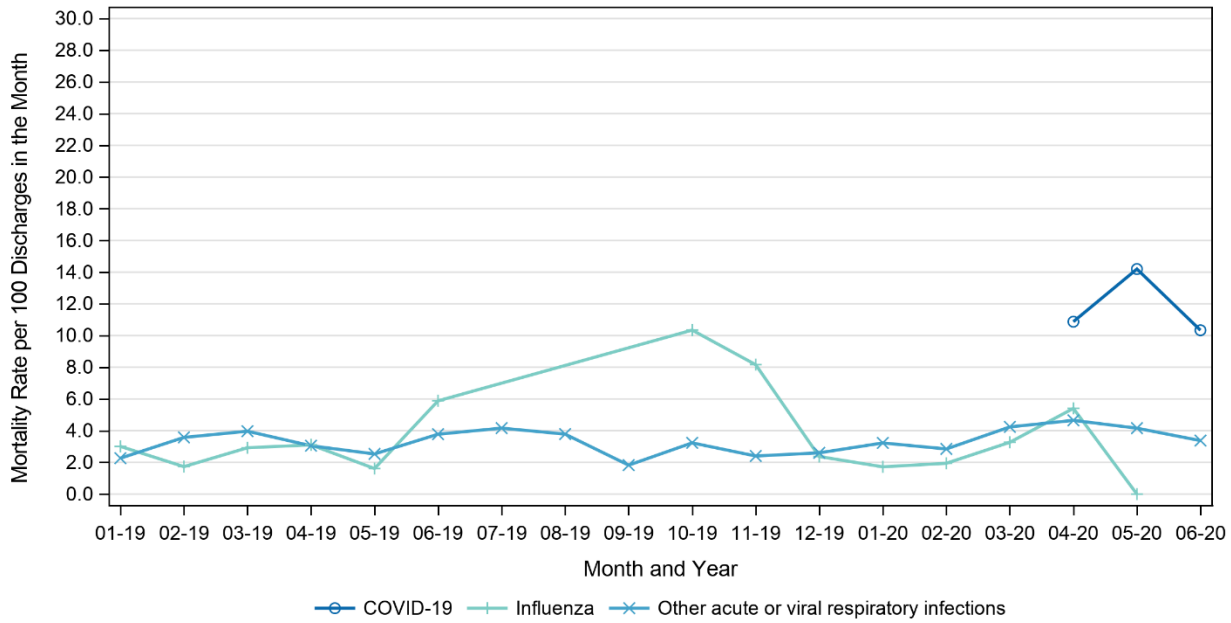
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



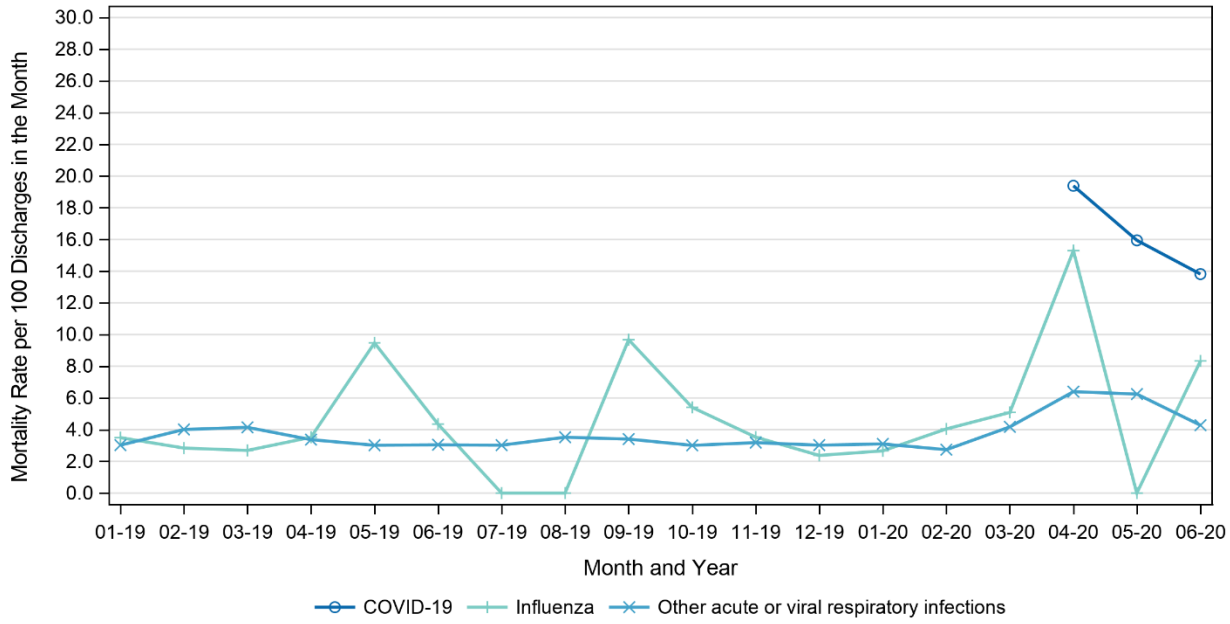
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



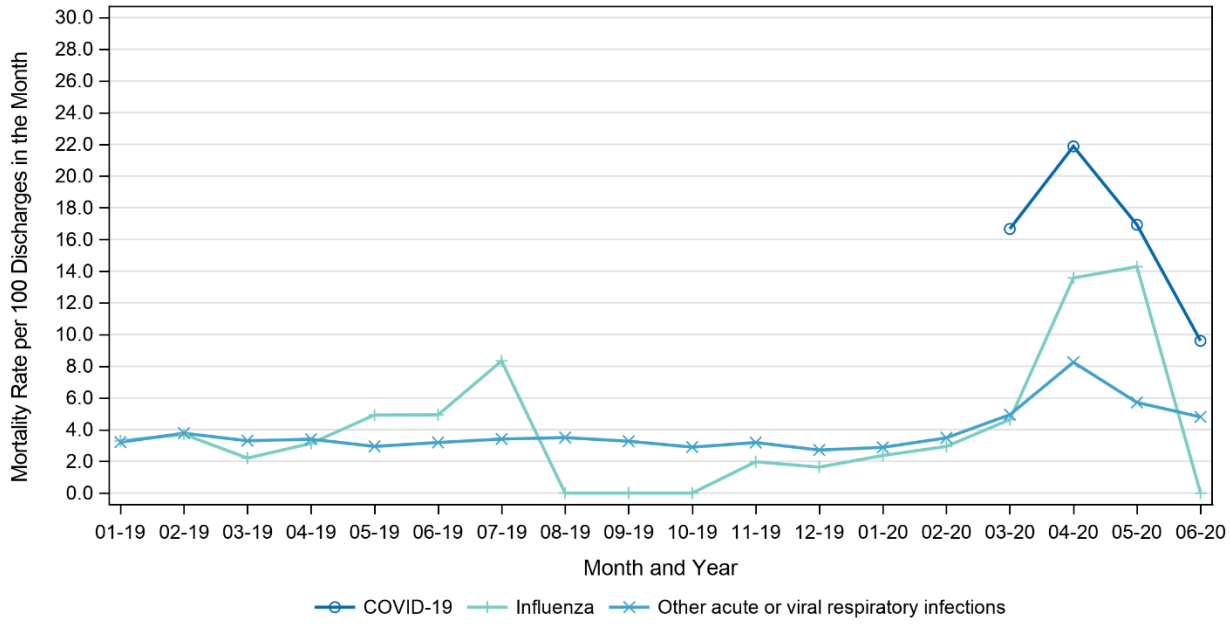
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



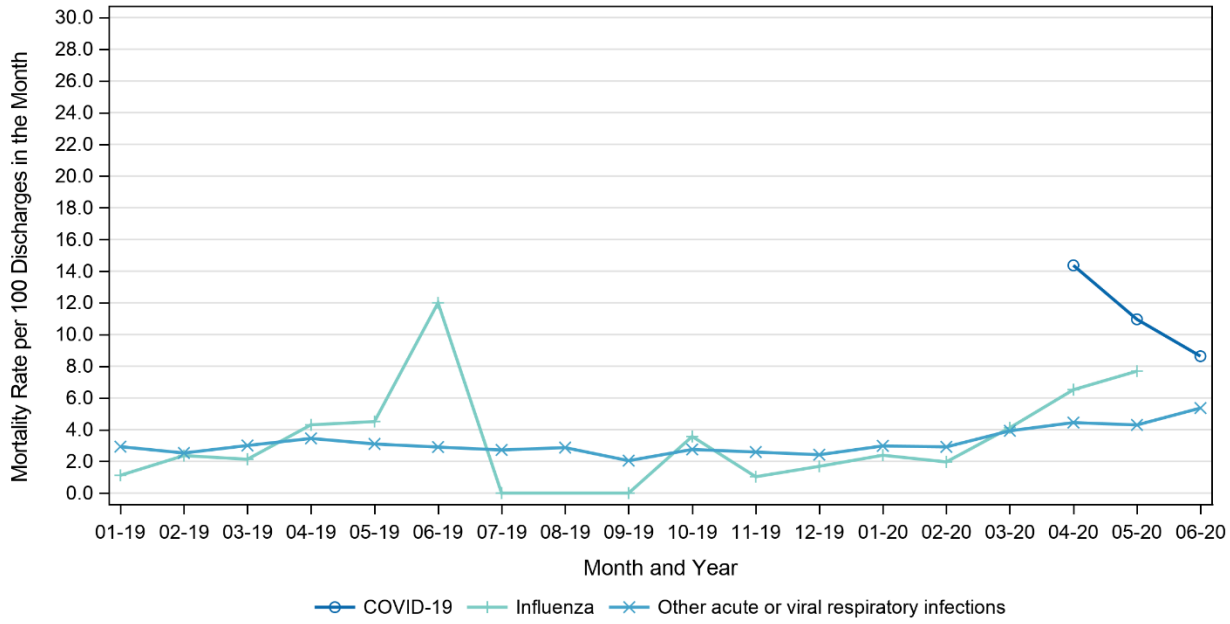
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



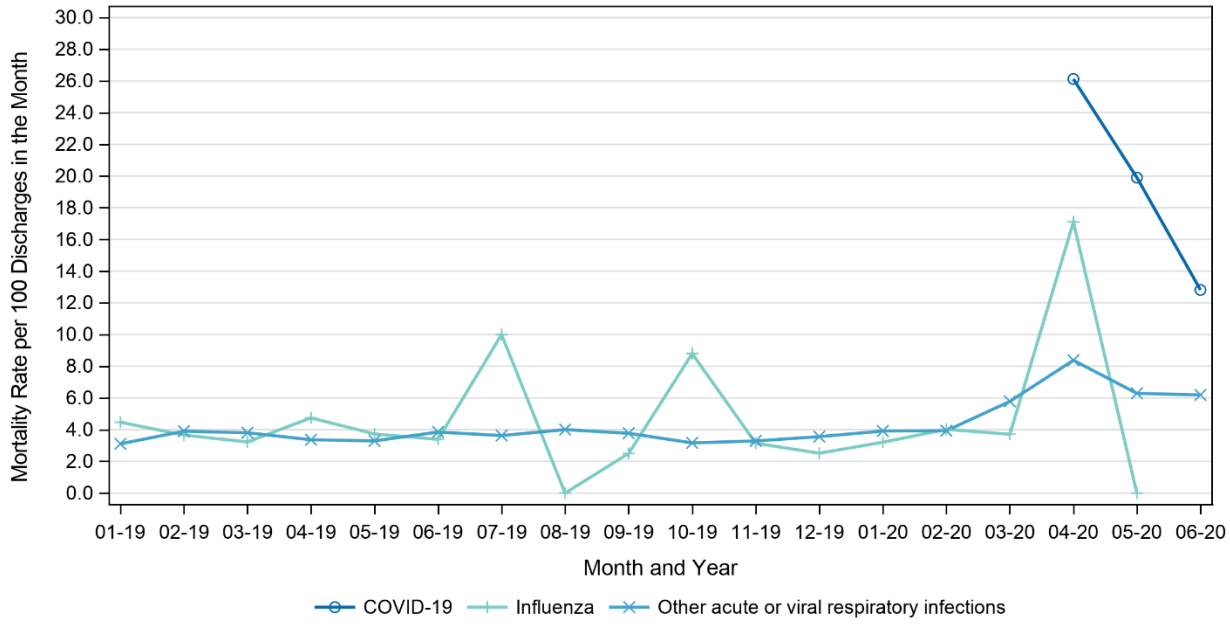
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



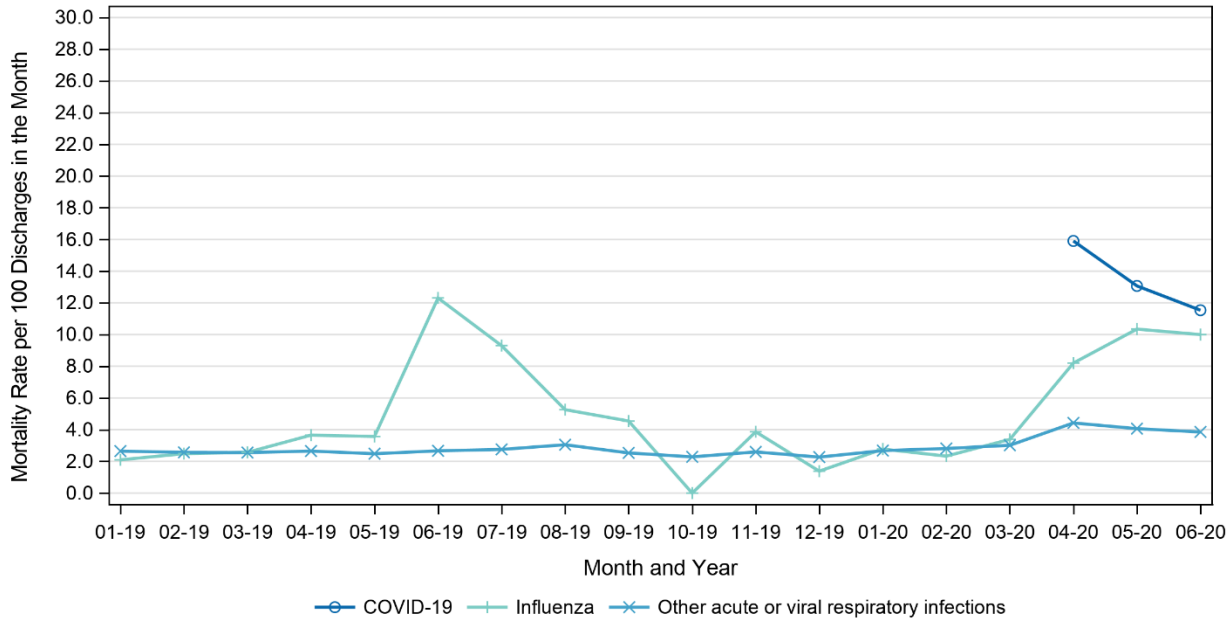
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



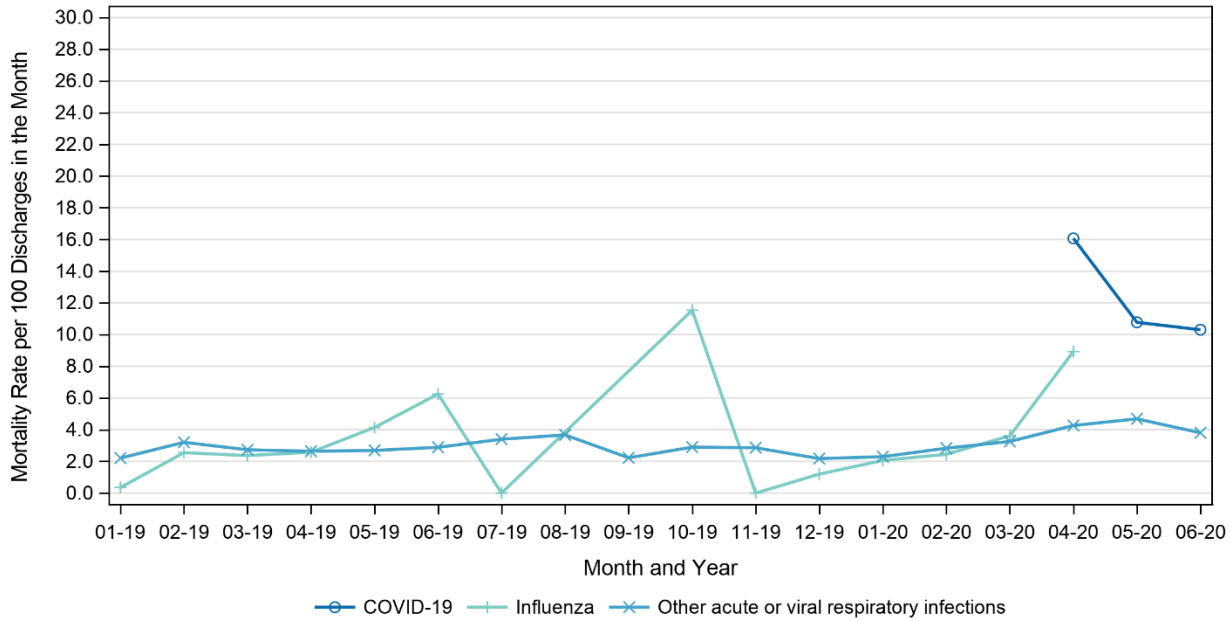
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 2.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Priority Condition, January 2019 to June 2020

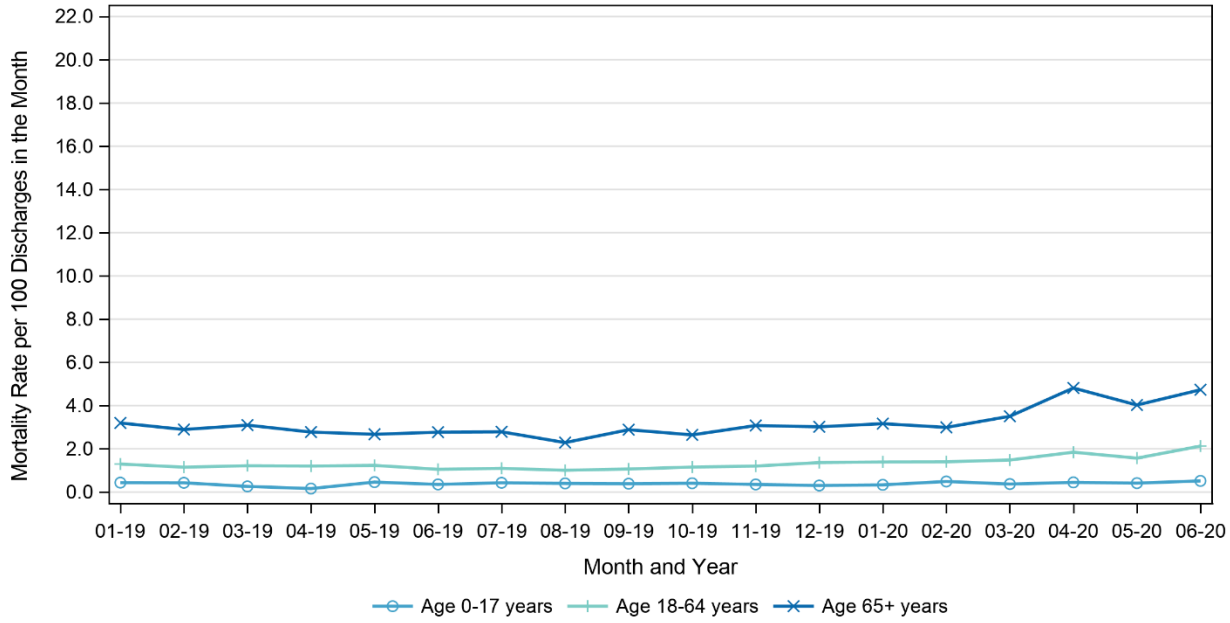


Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

3. AGE OF THE PATIENT

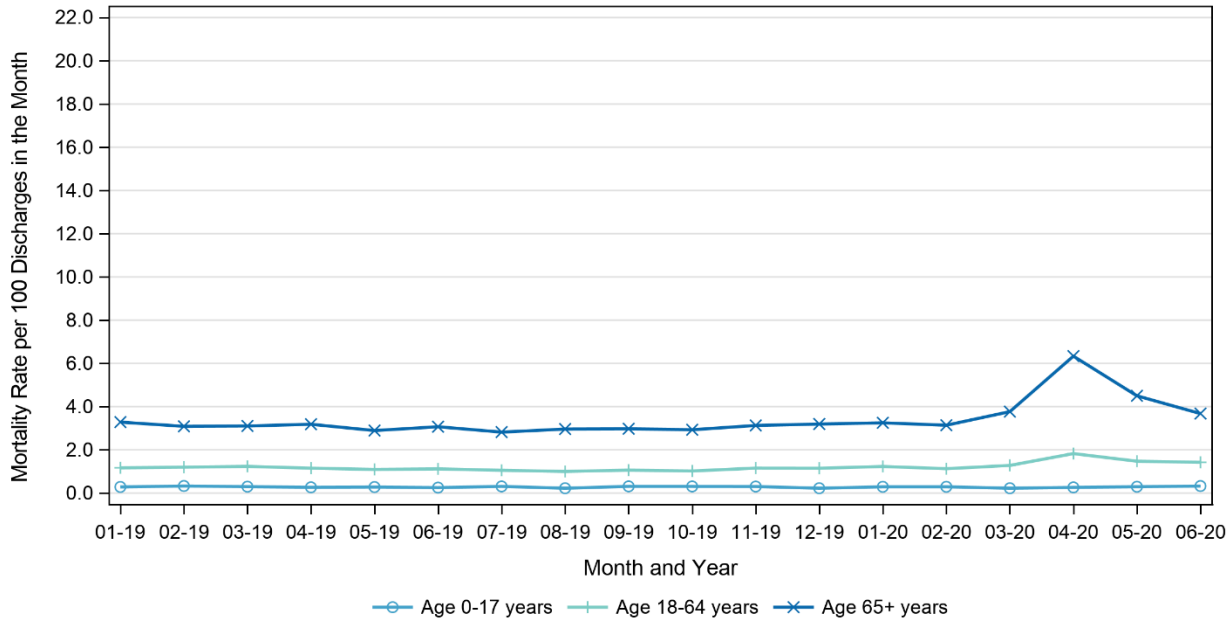
The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively).

Figure 3.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



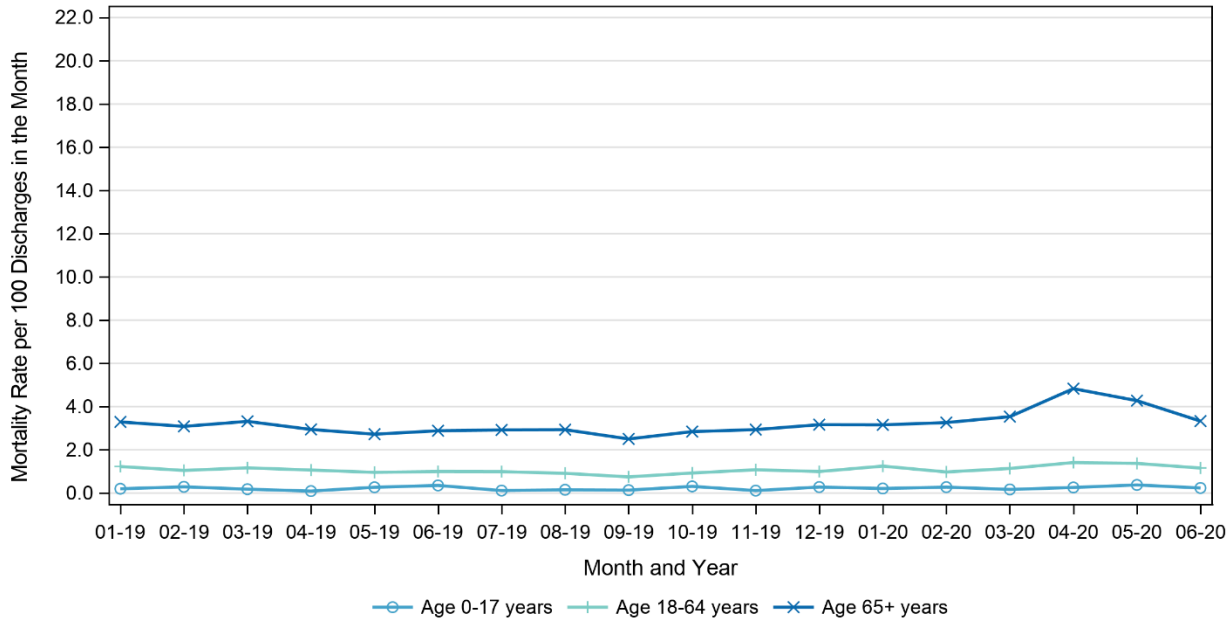
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



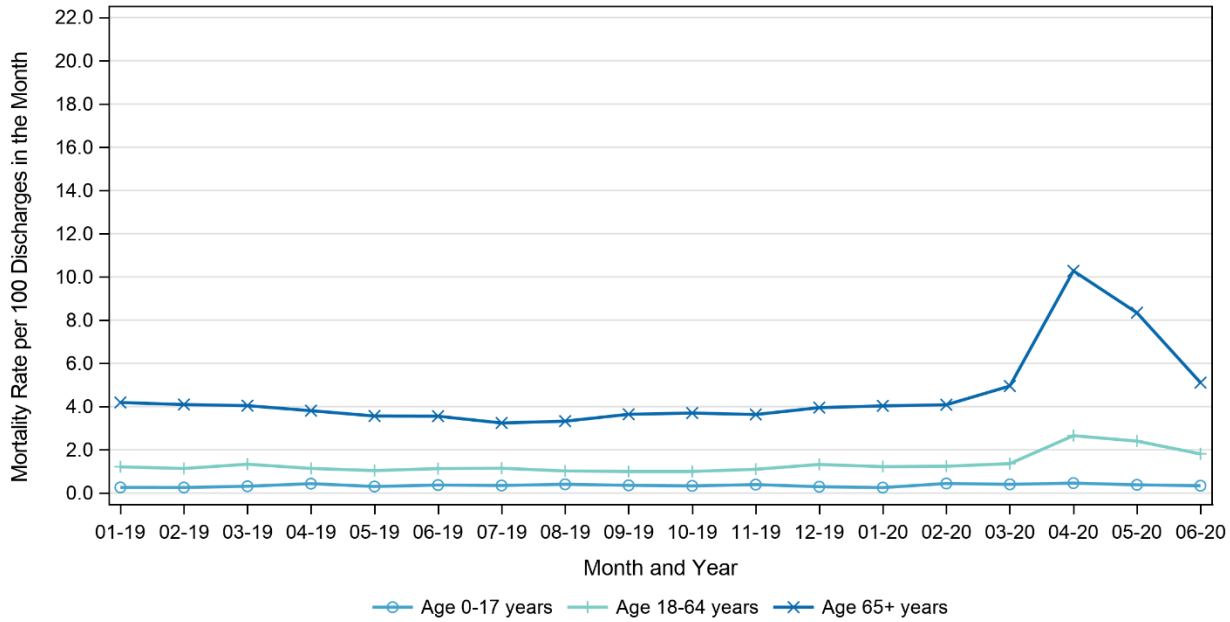
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



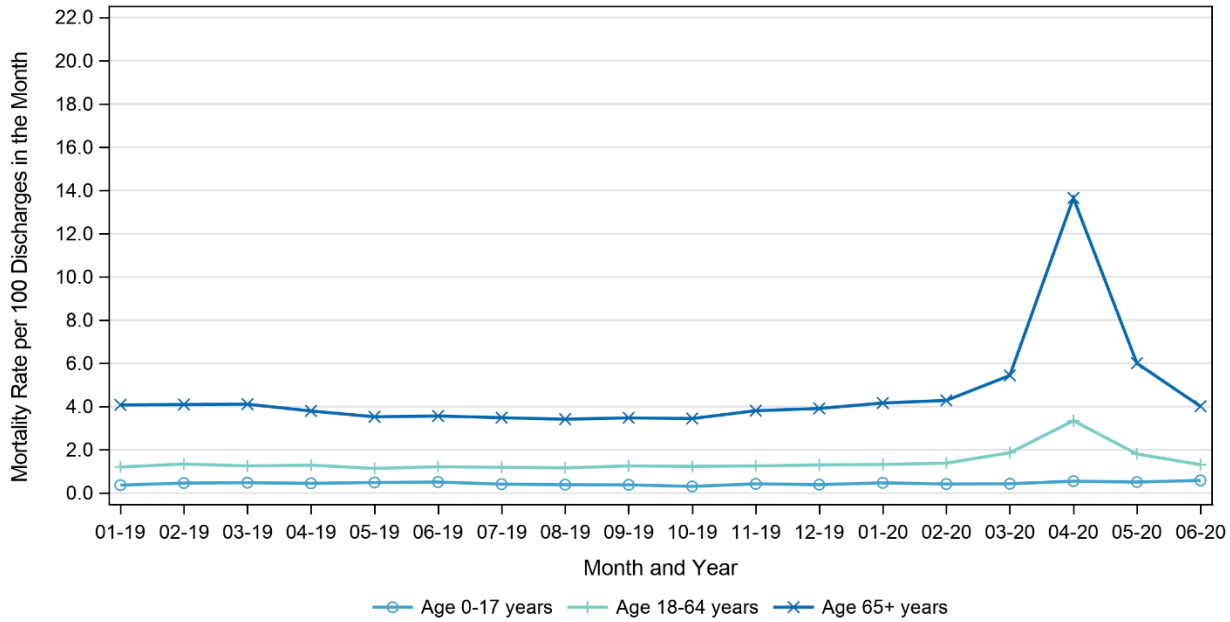
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



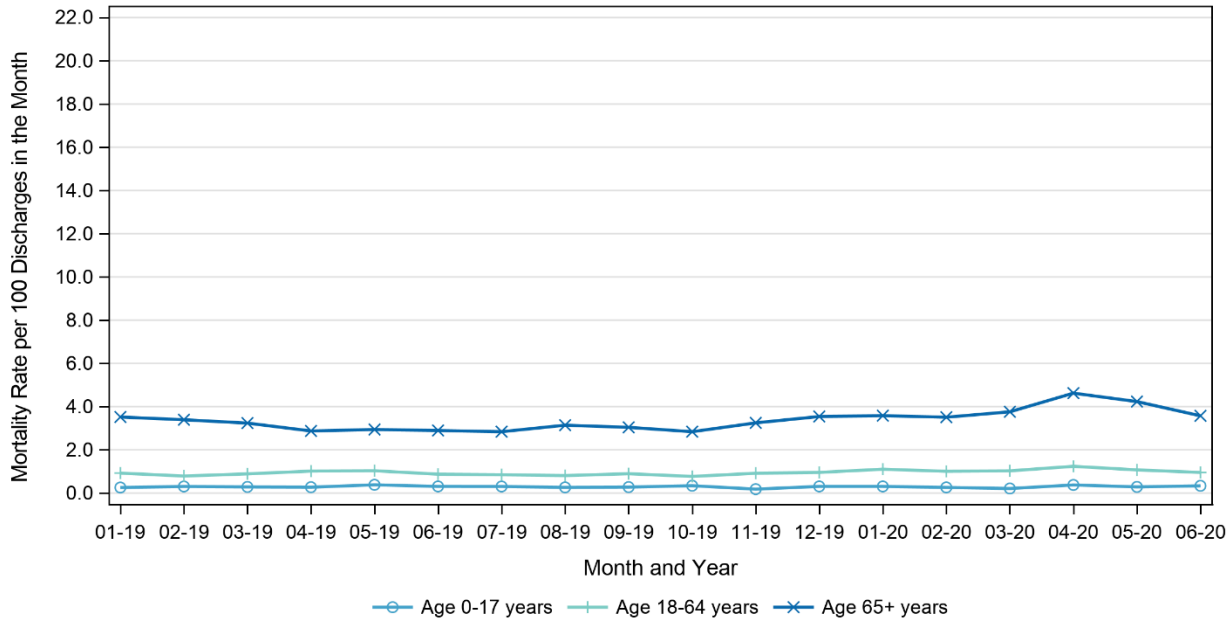
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



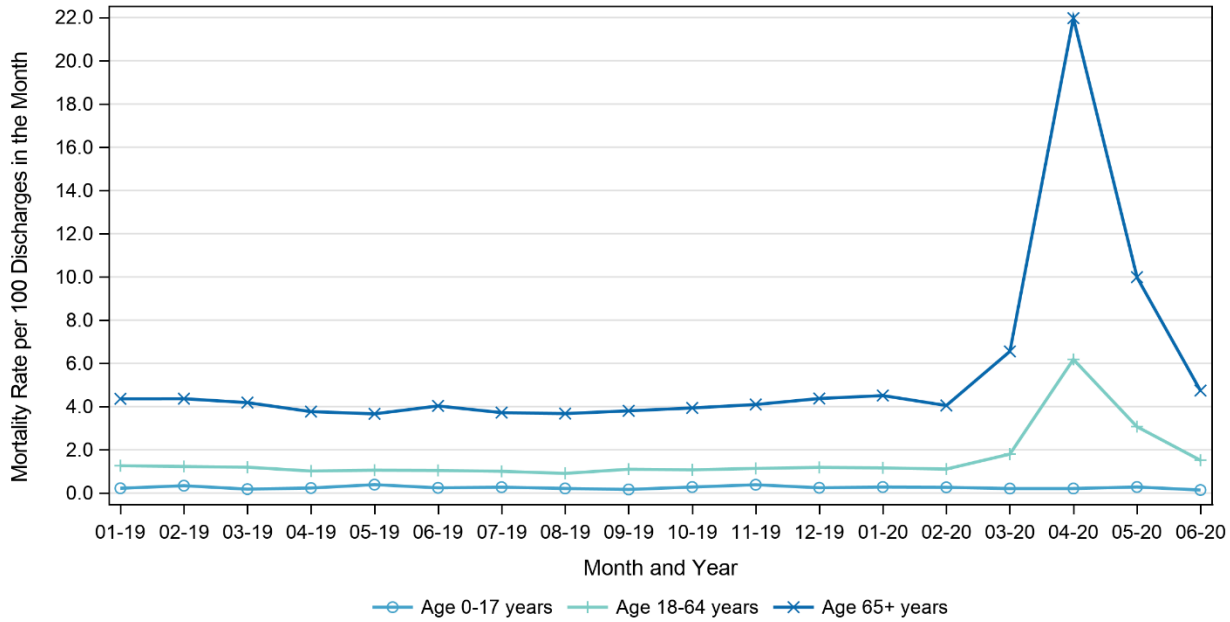
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



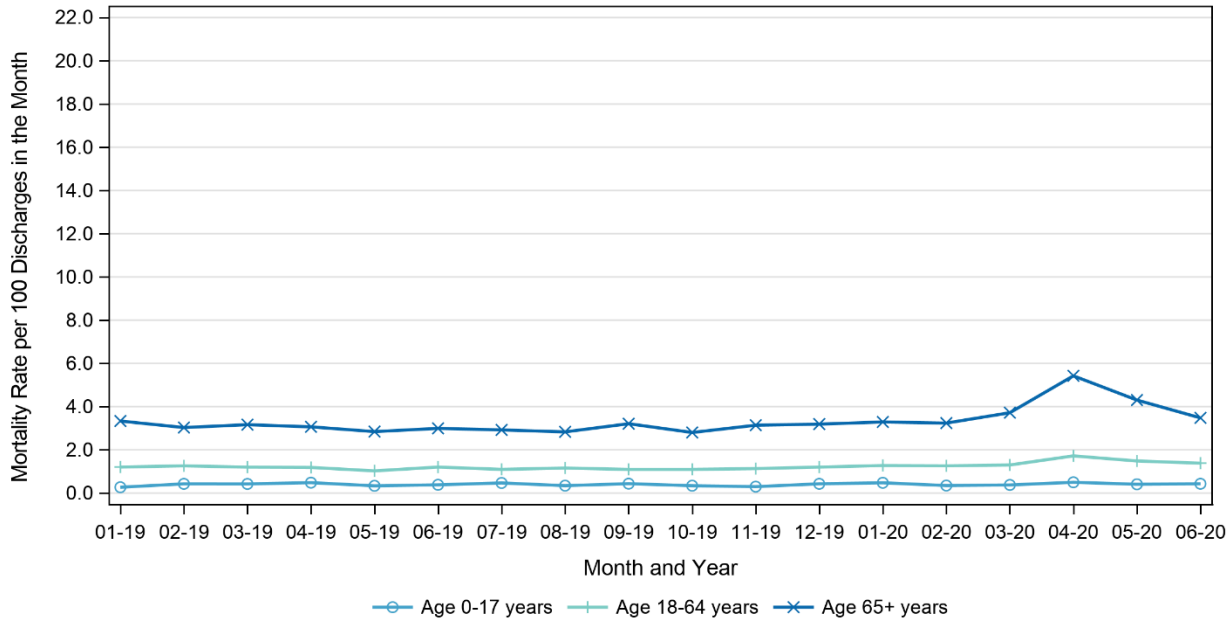
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



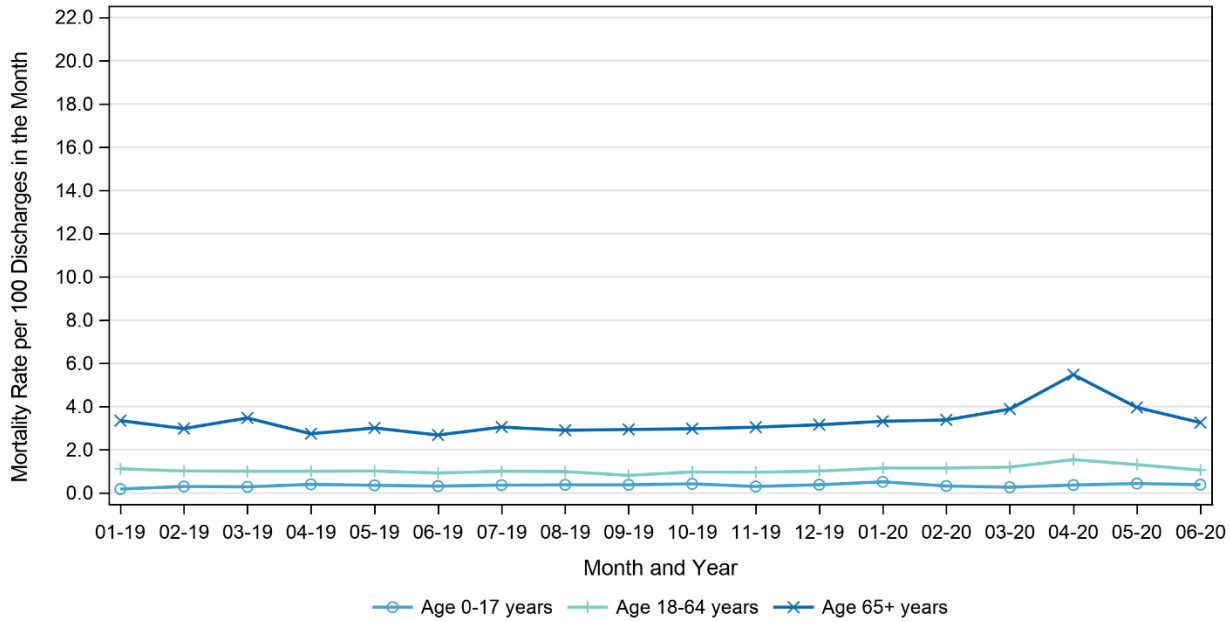
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 3.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Age of the Patient, January 2019 to June 2020

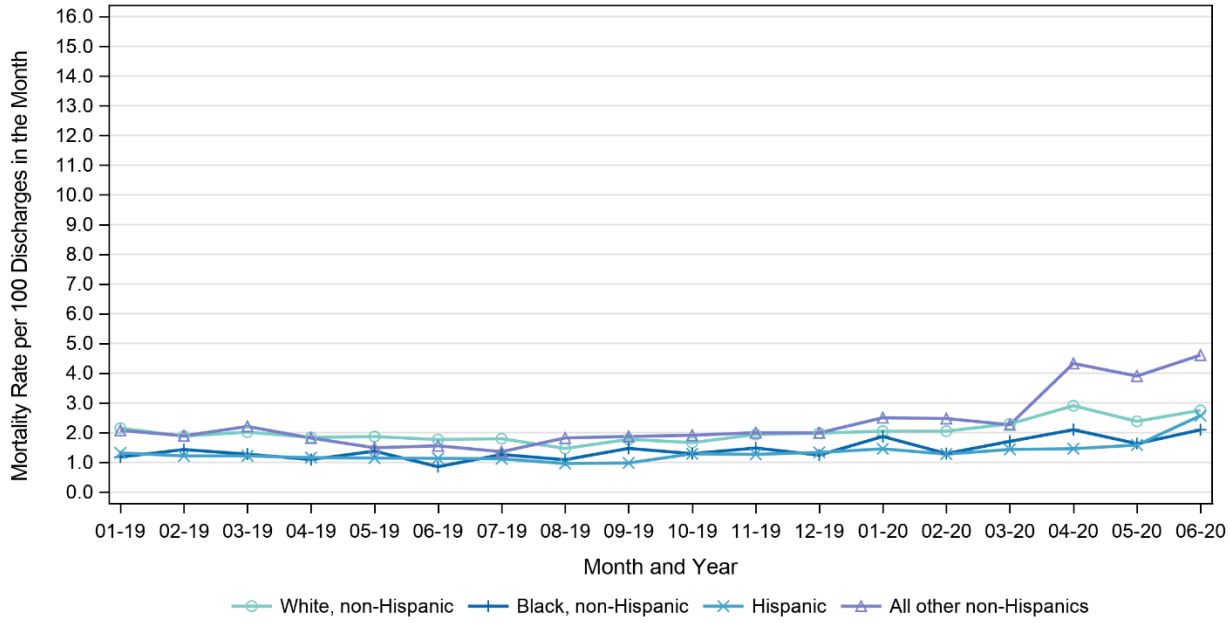


Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

4. RACE/ETHNICITY OF THE PATIENT

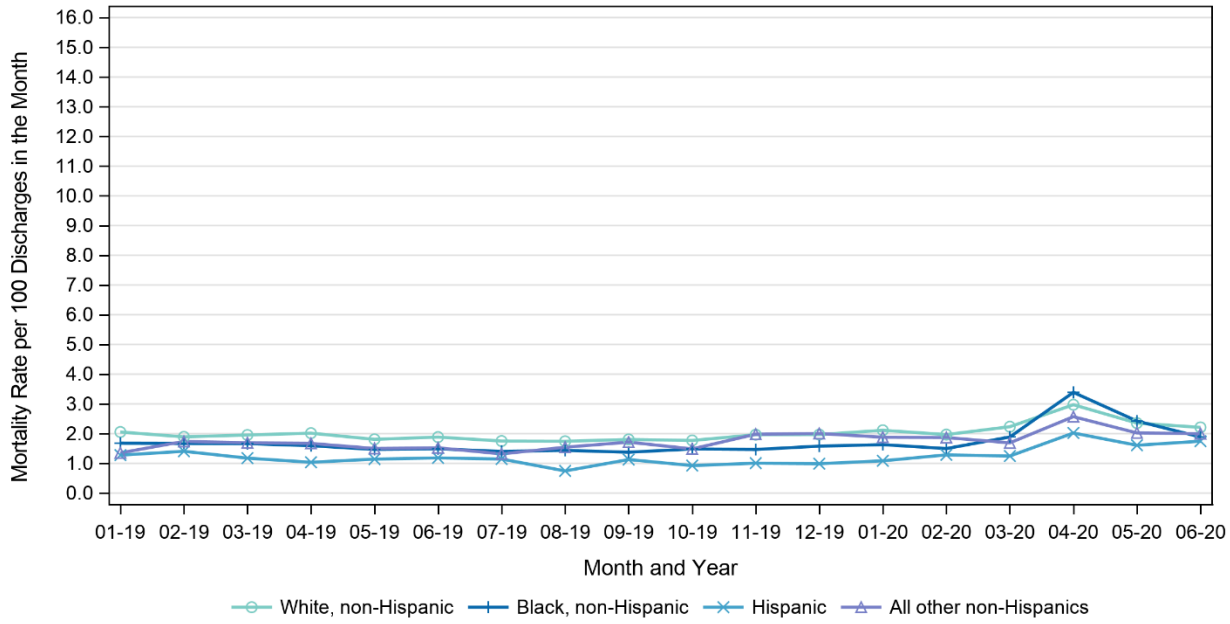
The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively).

Figure 4.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



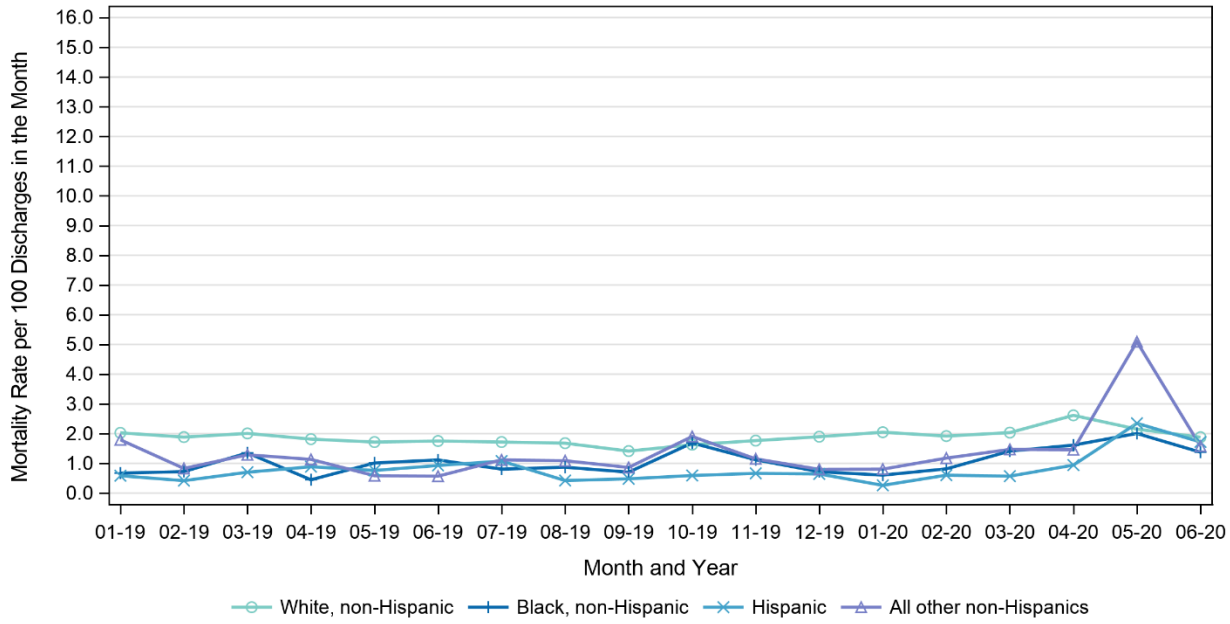
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



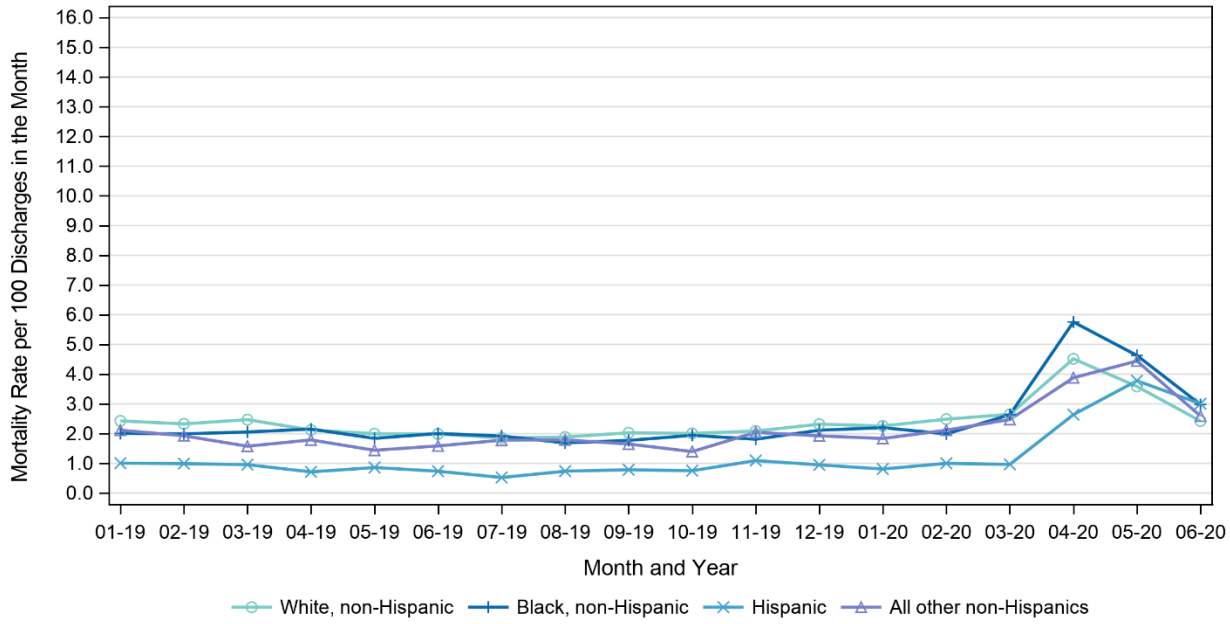
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



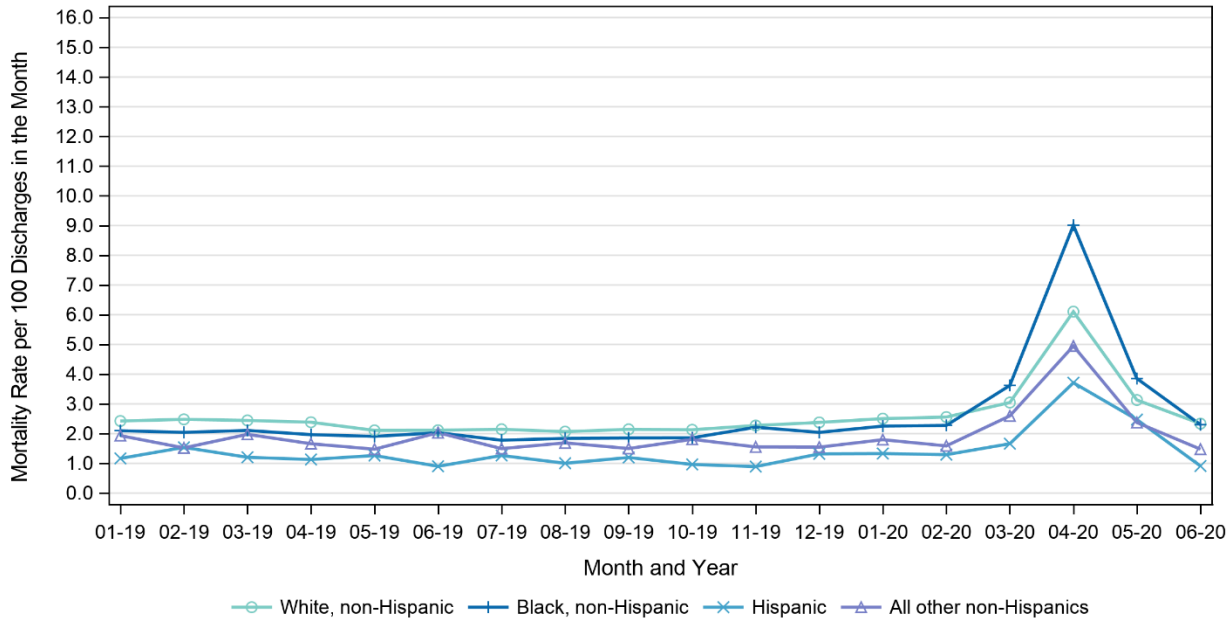
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



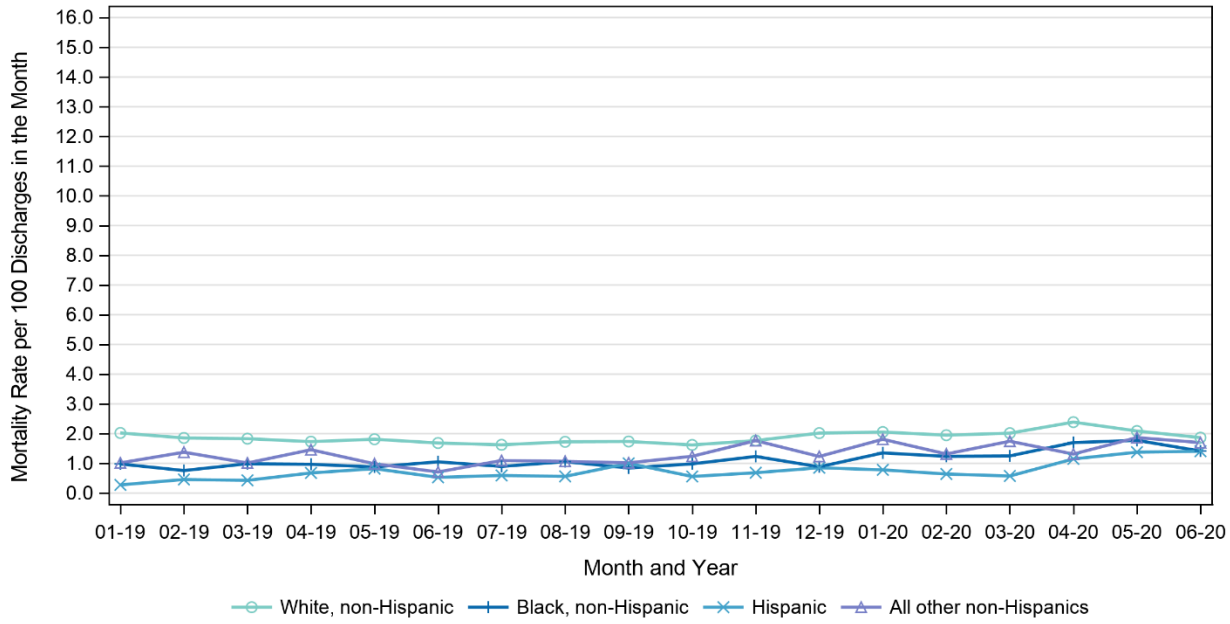
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



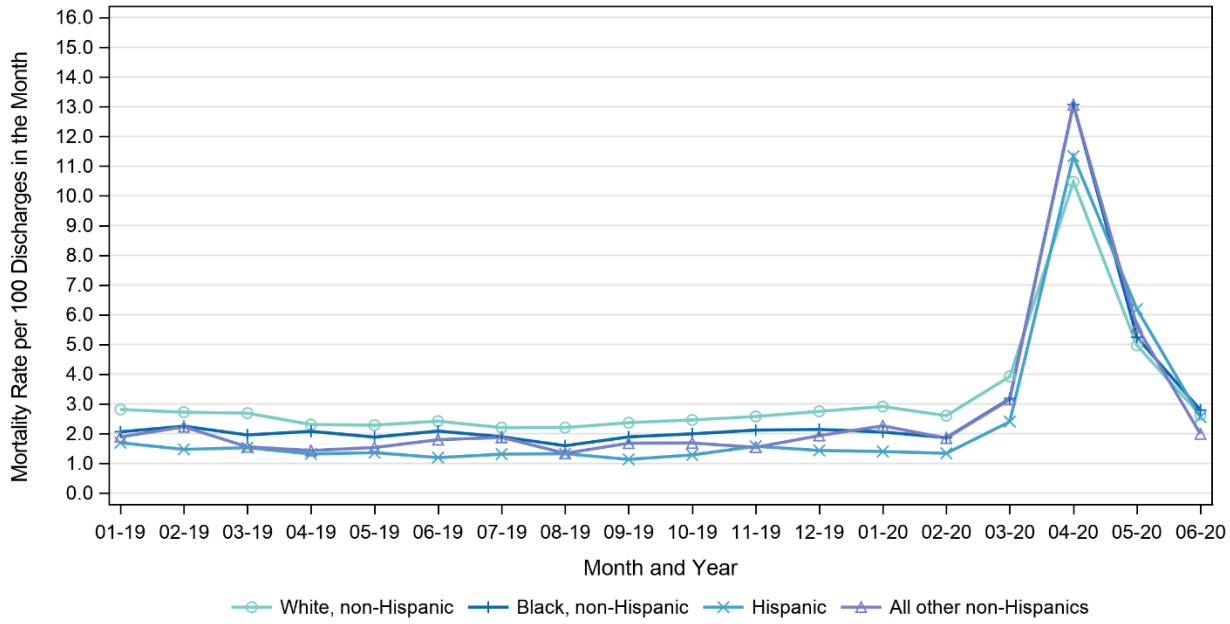
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



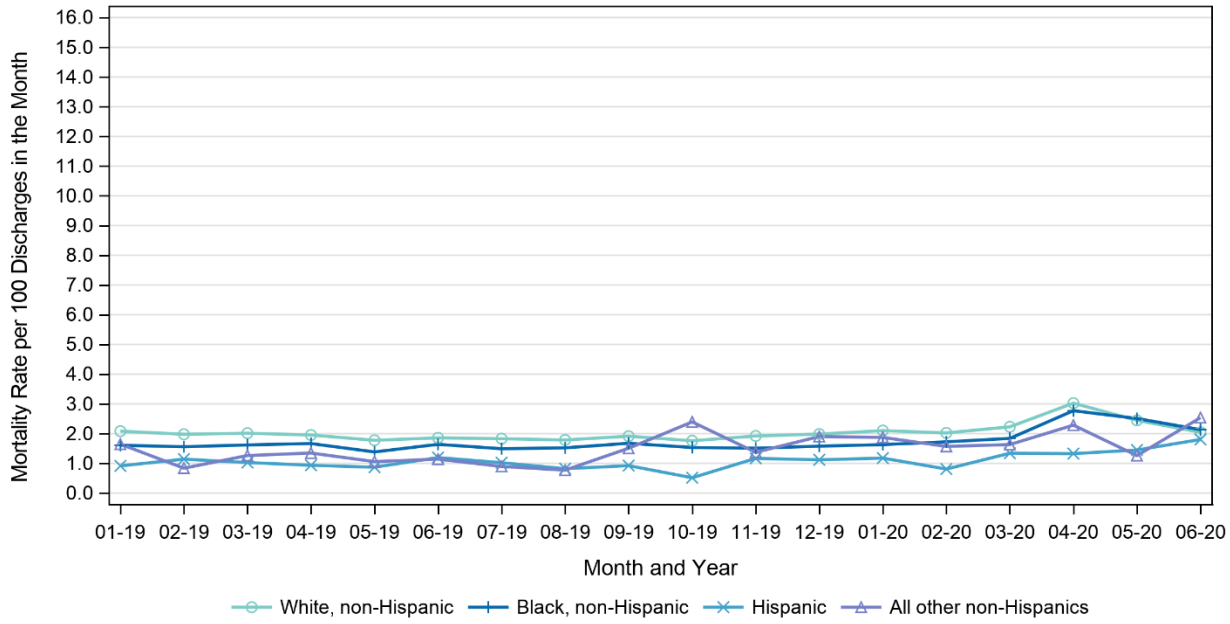
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



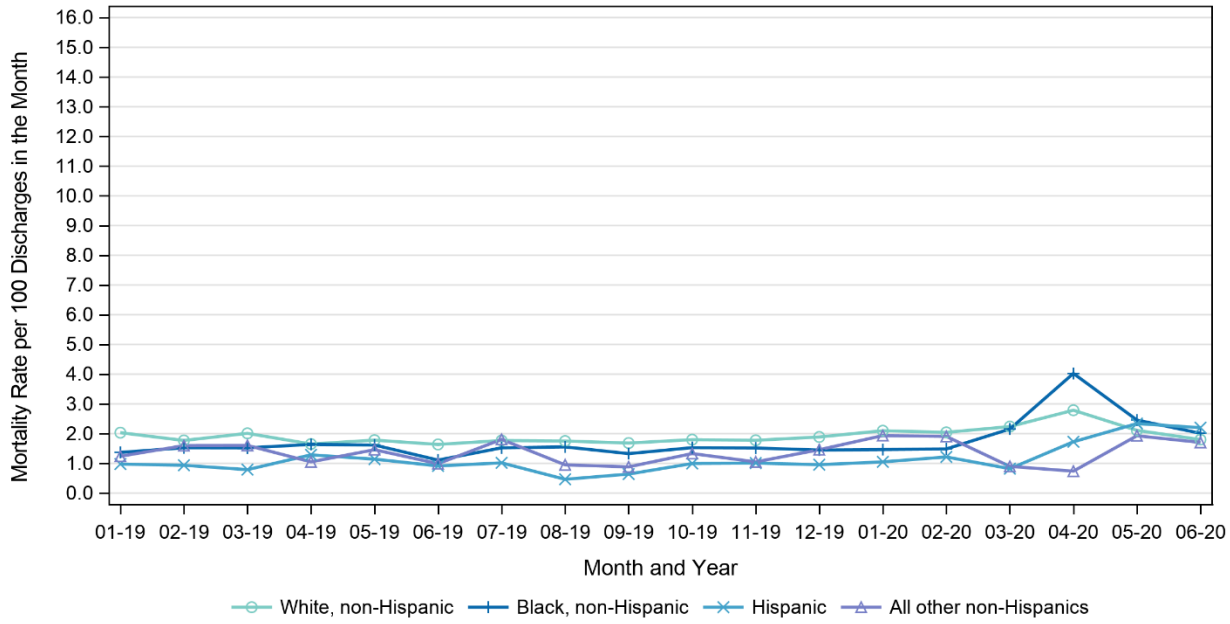
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 4.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Race/Ethnicity of the Patient, January 2019 to June 2020

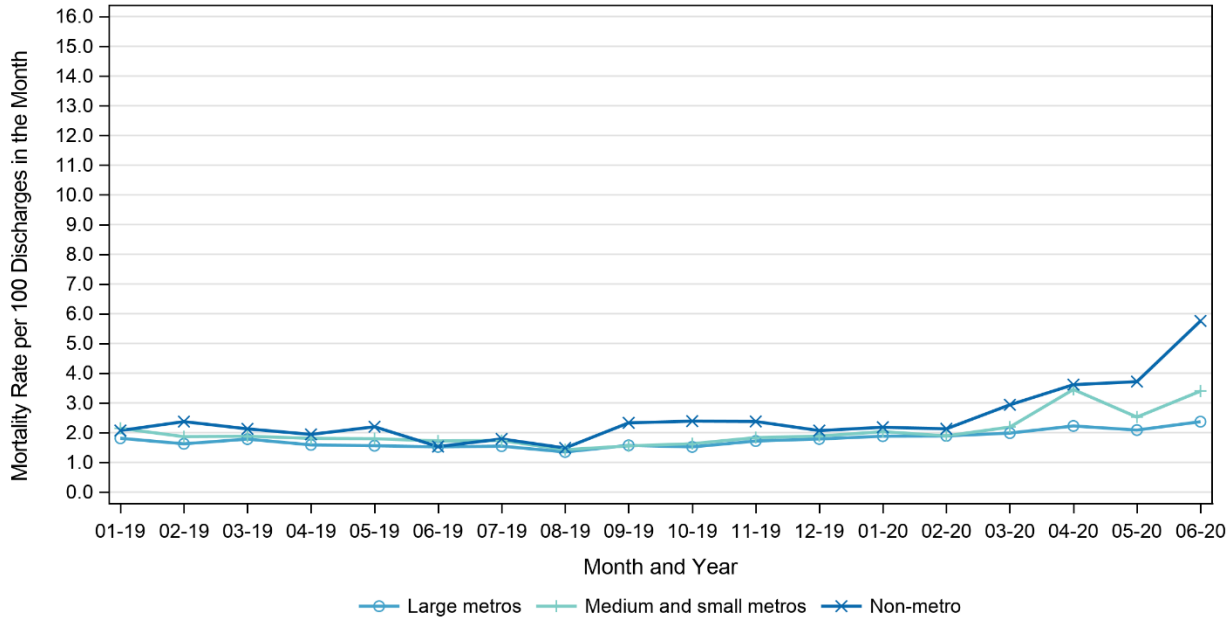


Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

5. URBAN-RURAL LOCATION OF PATIENT'S COUNTY OF RESIDENCE

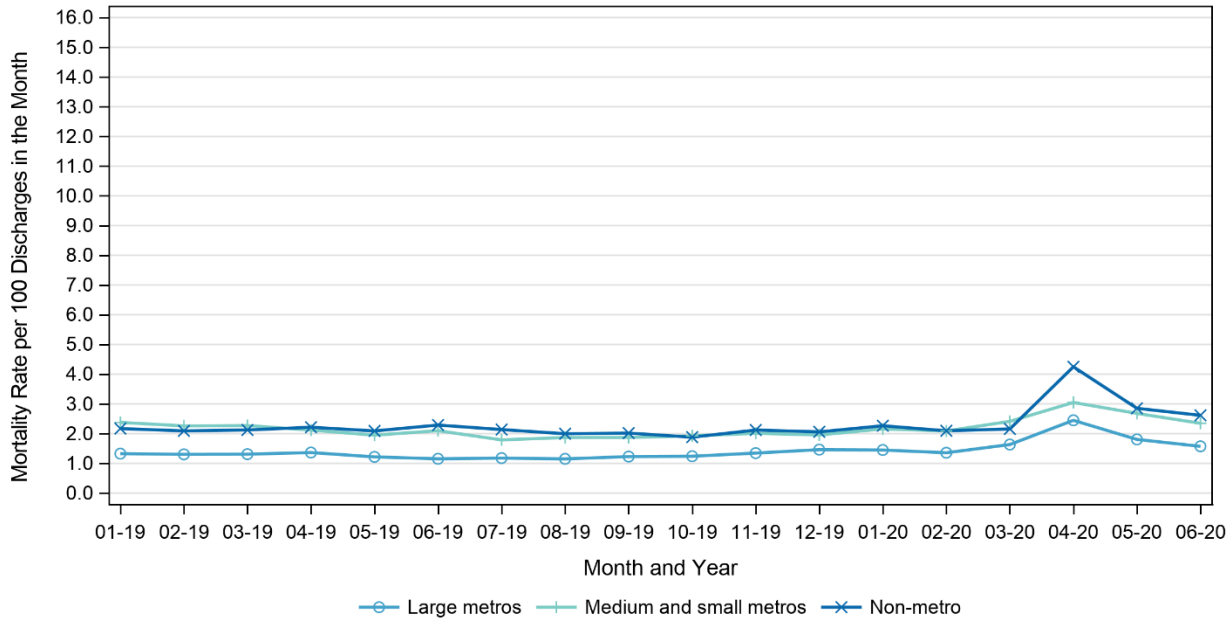
The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively).

Figure 5.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



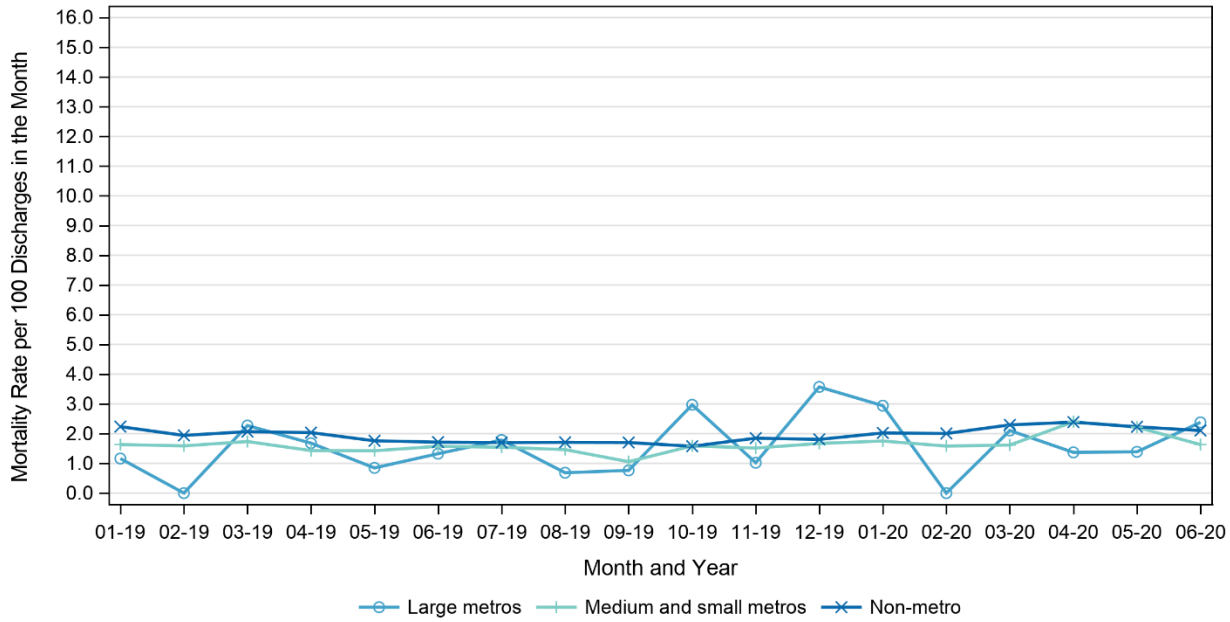
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



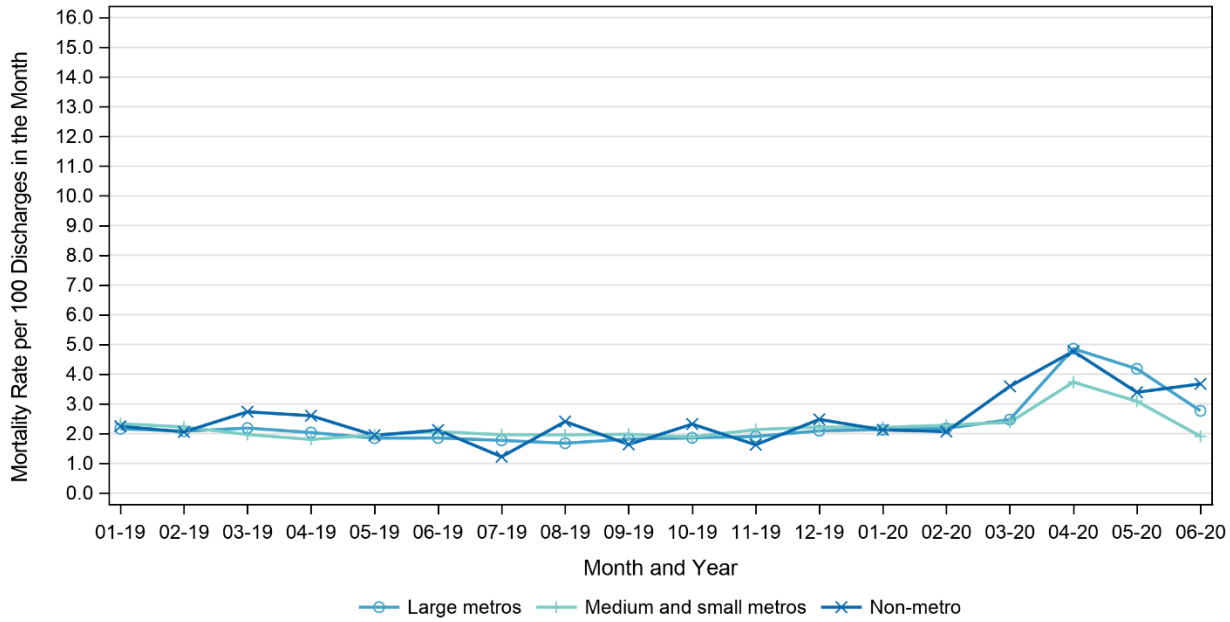
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



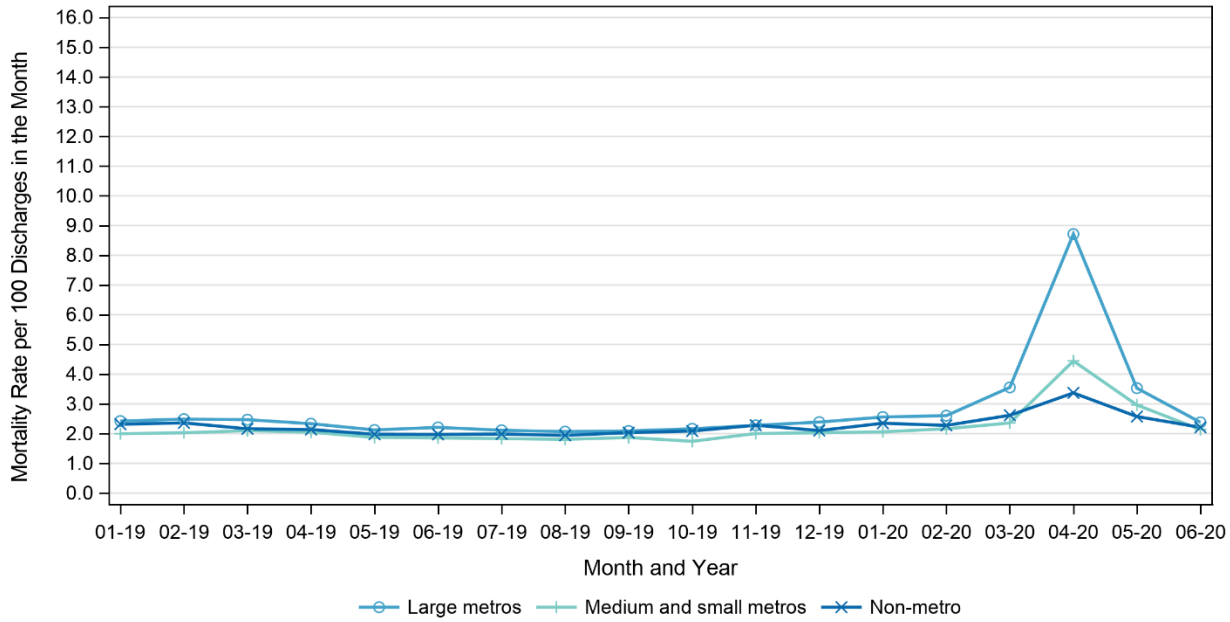
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



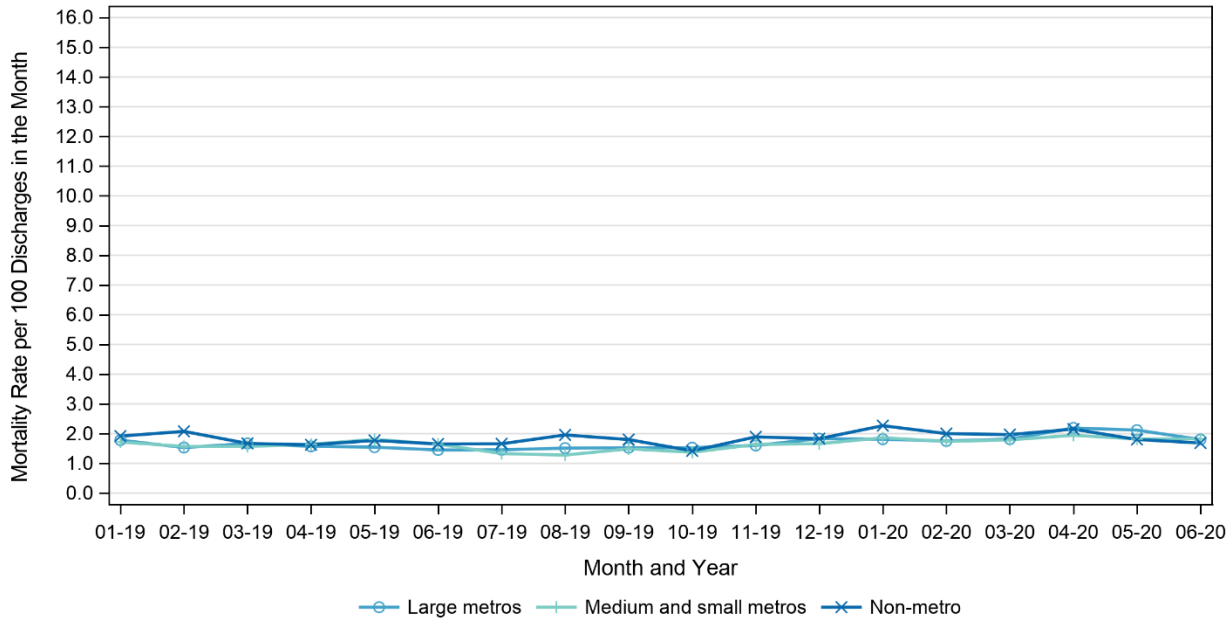
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



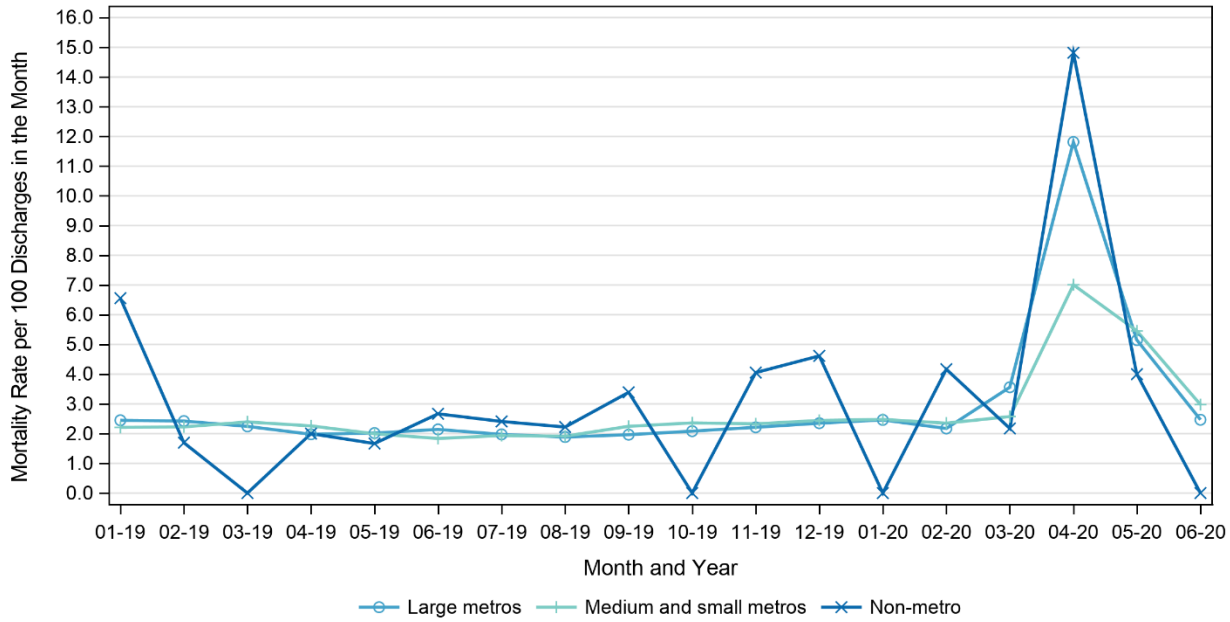
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



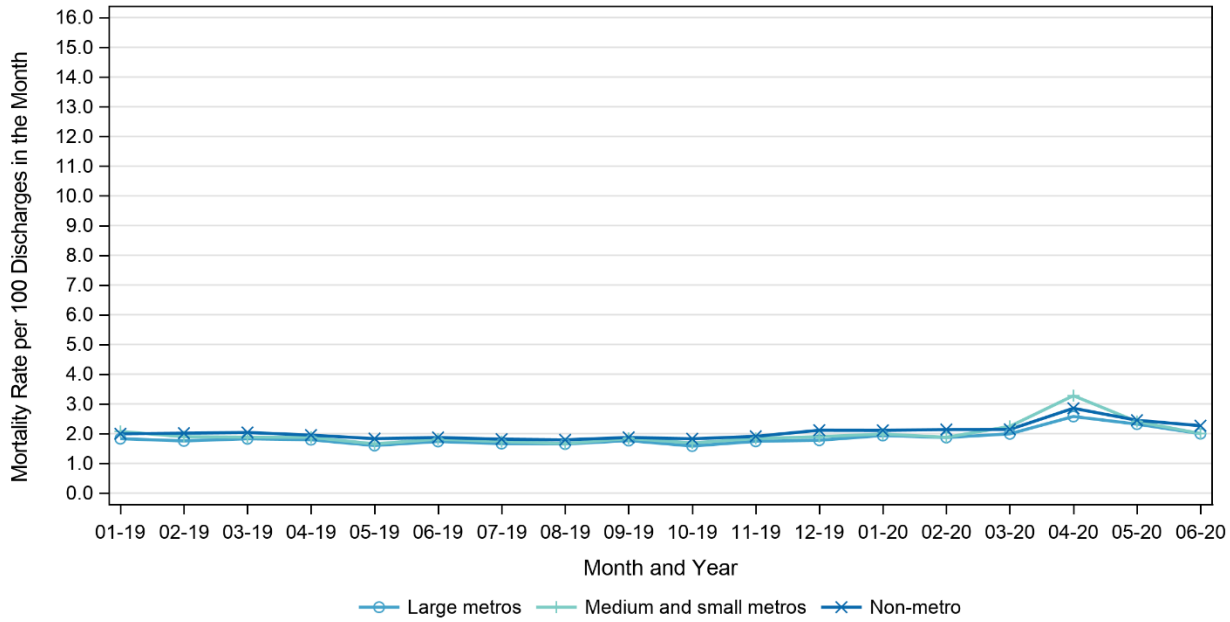
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



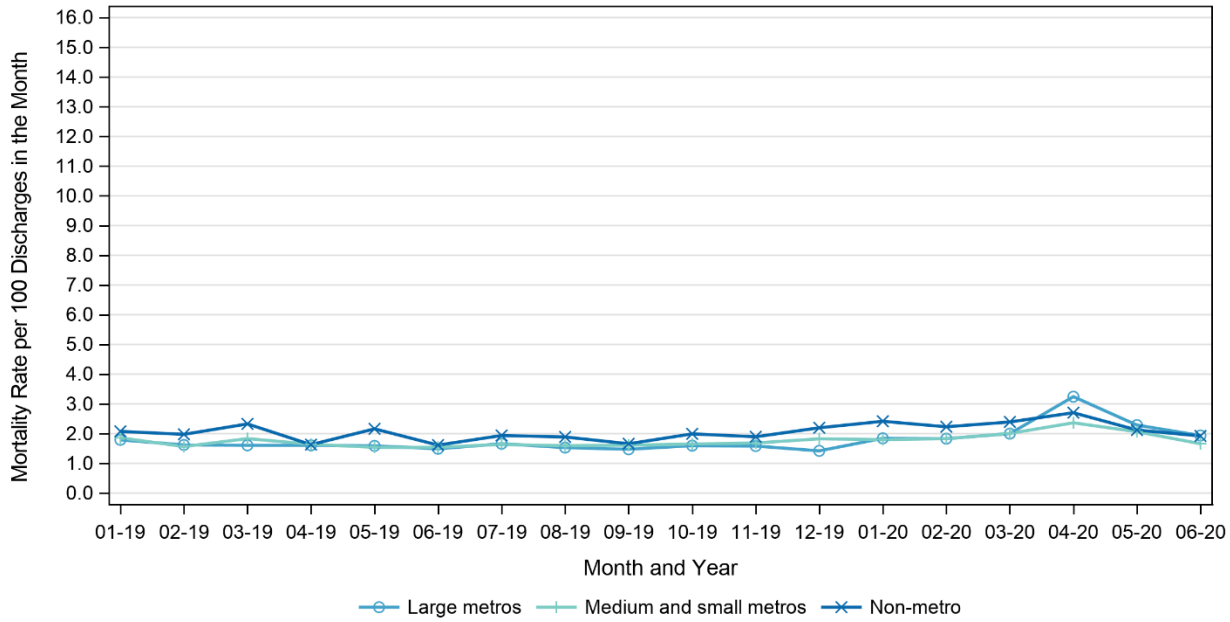
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 5.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Urban-Rural Location of the Patient's County of Residence, January 2019 to June 2020

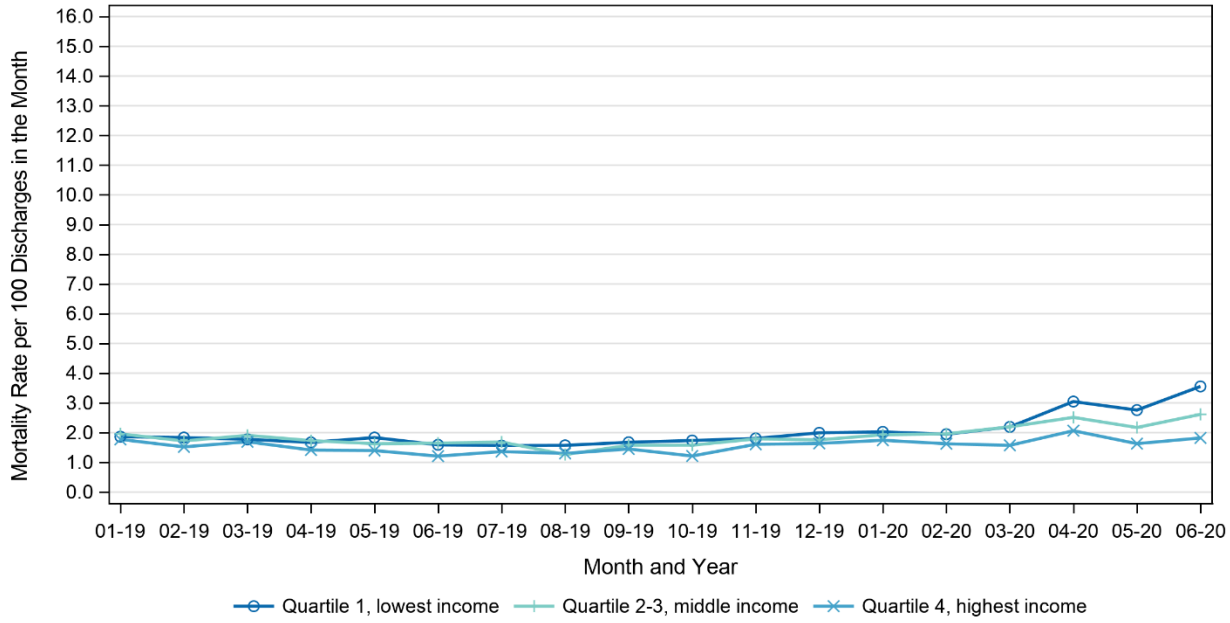


Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

6. COMMUNITY-LEVEL INCOME

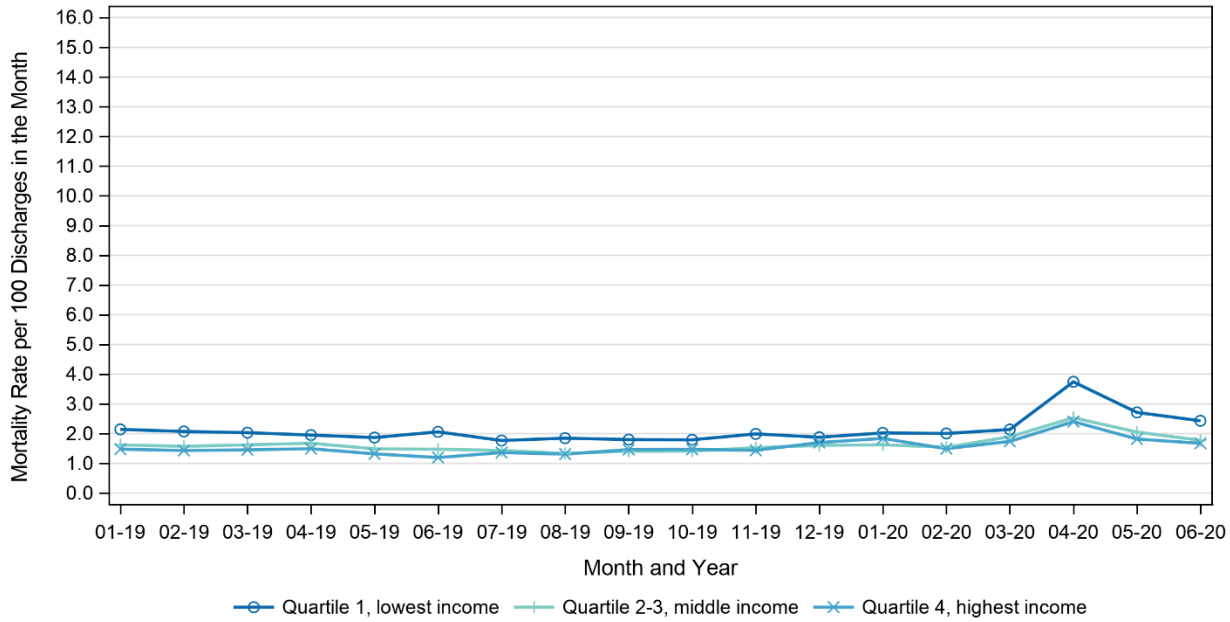
The graphical information presented in this section is derived from the HCUP Summary Trend Tables, Table 2d All Inpatient Encounter Types: Monthly Trends in the In-Hospital Mortality Rate. Although not presented in this report, the HCUP Summary Trend Tables also contain the number of discharges, percent of total discharges, and average length of stay (Tables 2a, 2b, and 2c, respectively).

Figure 6.1 Arizona: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



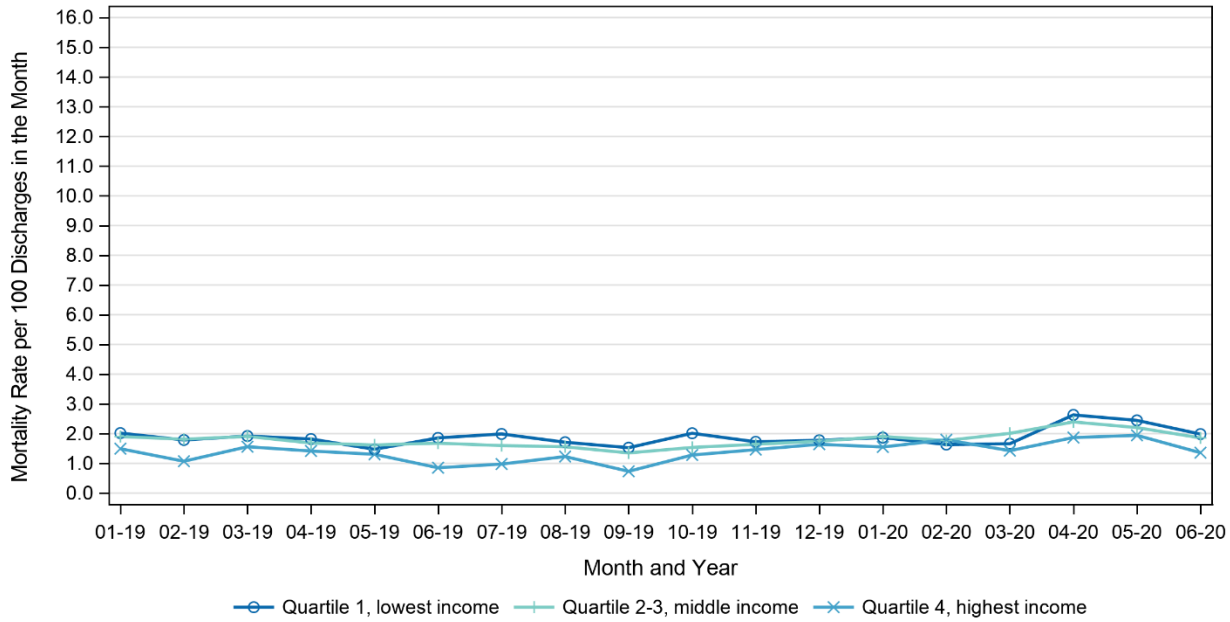
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Arizona. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.2 Georgia: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



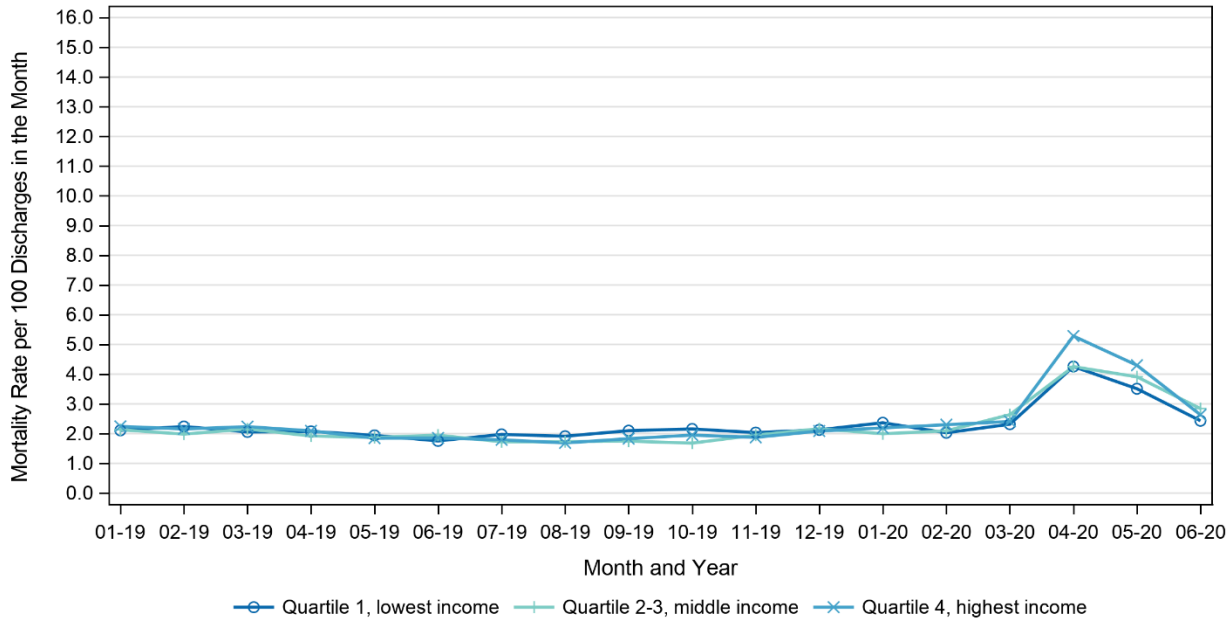
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Georgia. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.3 Iowa: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



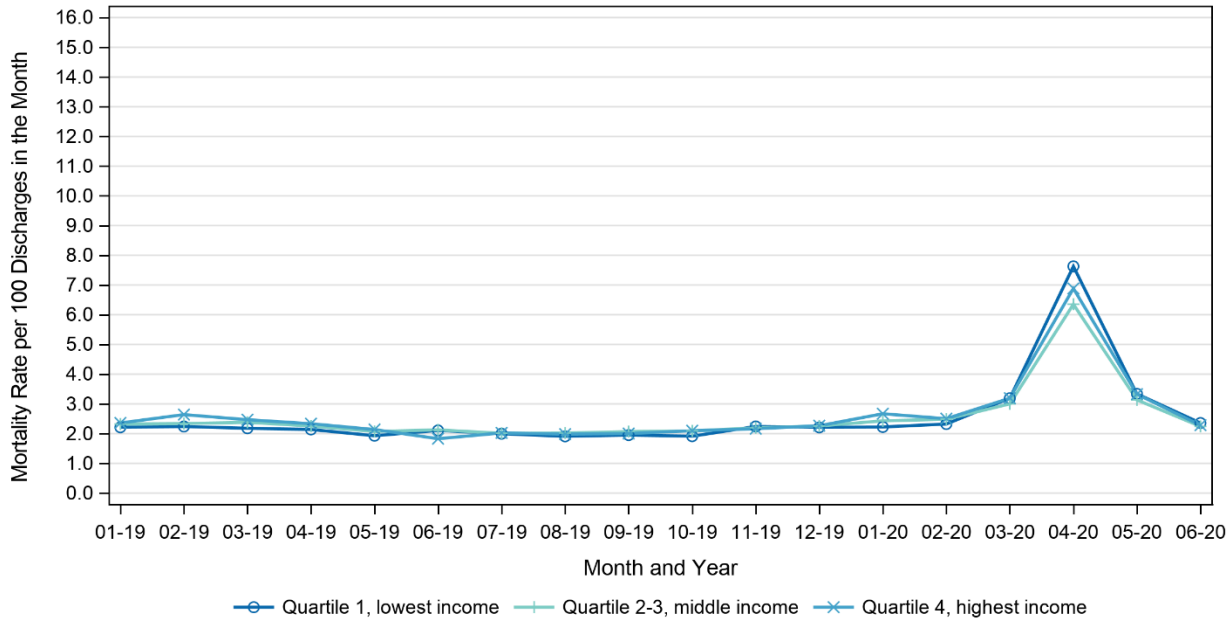
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Iowa. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.4 Maryland: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



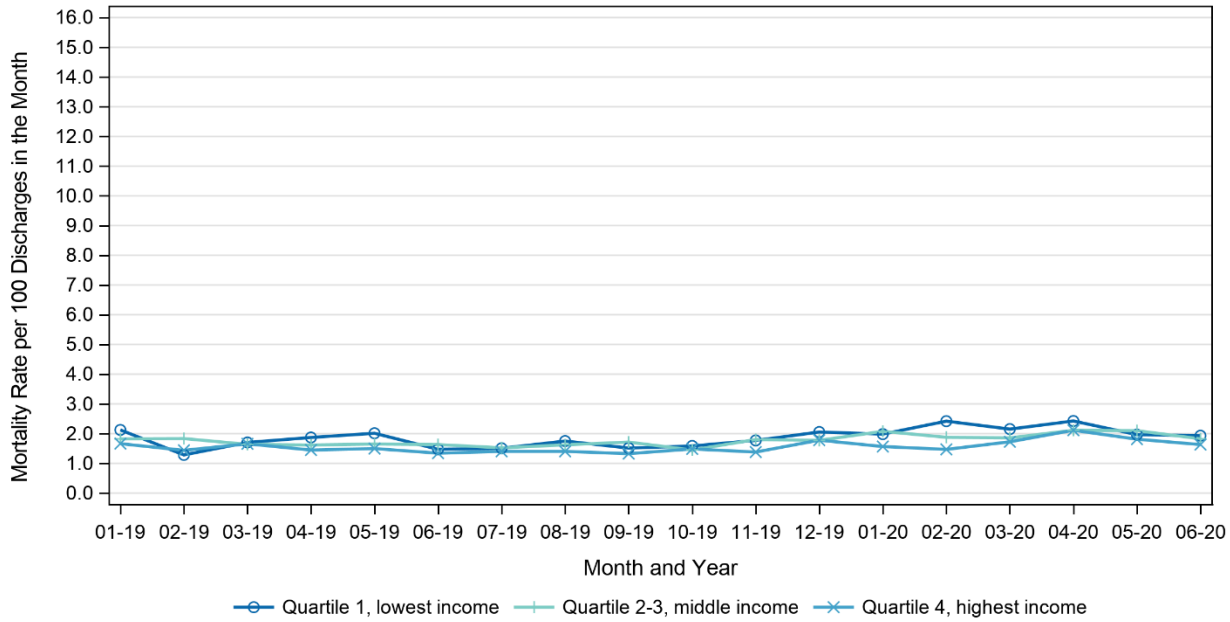
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Maryland. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.5 Michigan: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



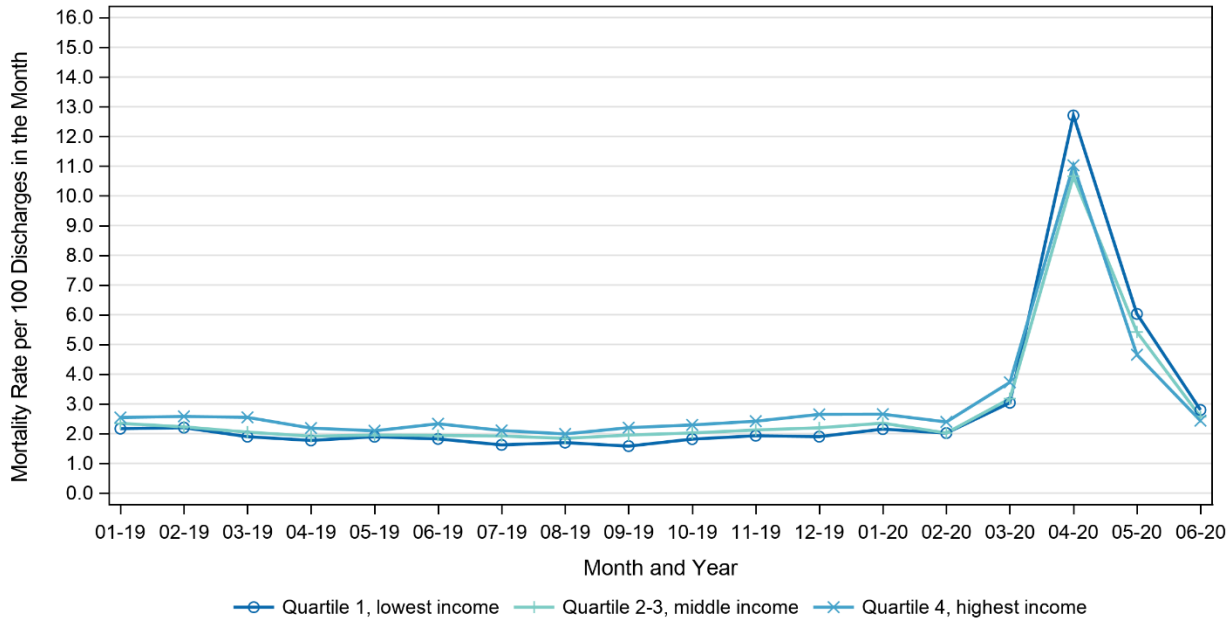
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Michigan. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.6 Minnesota: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



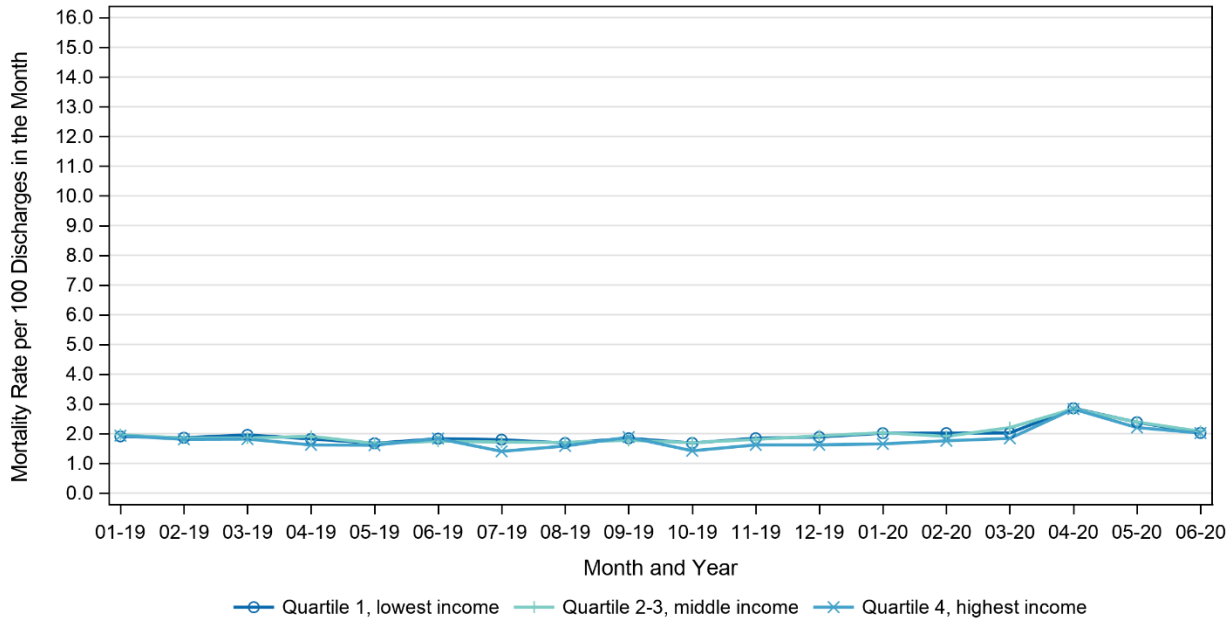
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Minnesota. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.7 New Jersey: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



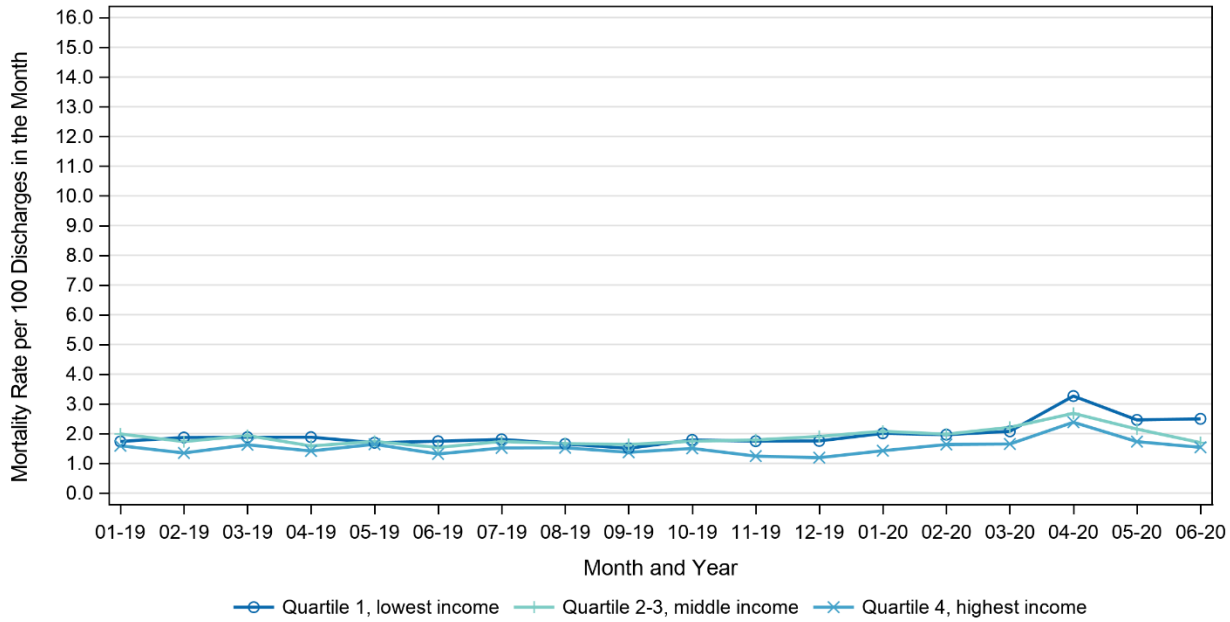
Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, New Jersey. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.8 Ohio: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Ohio. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

Figure 6.9 Wisconsin: In-Hospital Mortality Rate per 100 Discharges by Month and Community-Level Income, January 2019 to June 2020



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Summary Trend Tables, Table 2d, All Inpatient Encounter Types: Monthly Trends for In-Hospital Mortality Rates, Wisconsin. (www.hcup-us.ahrq.gov/reports/trendtables/summarytrendtables.jsp)

APPENDIX A. HCUP PARTNER ORGANIZATIONS

We wish to acknowledge the following HCUP Partner organizations that contributed to the HCUP State Inpatient Databases used for this report:

Arizona Department of Health Services
Georgia Hospital Association
Iowa Hospital Association
Maryland Health Services Cost Review Commission
Michigan Health & Hospital Association
Minnesota Hospital Association (provides data for Minnesota and North Dakota)
New Jersey Department of Health
Ohio Hospital Association
Wisconsin Department of Health Services

APPENDIX B. HEALTHCARE COST AND UTILIZATION PROJECT (HCUP) STATE INPATIENT DATABASES (SID)

The Healthcare Cost and Utilization Project (HCUP) is a family of health care databases and related software tools and products developed through a Federal-State-Industry partnership and sponsored by the Agency for Healthcare Research and Quality (AHRQ). HCUP databases bring together the data collection efforts of State data organizations, hospital associations, private data organizations, and the Federal government to create a national information resource of encounter-level health care data. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. These databases enable research on a broad range of health policy issues, including cost and quality of health services, medical practice patterns, access to health care programs, and outcomes of treatments at the national, State, and local market levels.

The HCUP State Inpatient Databases (SID) contain the universe of the inpatient discharge abstracts from participating States that are translated into a uniform format to facilitate multistate comparisons and analyses. Together, the SID encompass over 95 percent of all U.S. hospital discharges.

The SID contain clinical and resource-use information that is included in a typical discharge abstract, with safeguards to protect the privacy of individual patients, physicians, and hospitals. The SID contain more than 100 clinical and nonclinical variables, such as:

- Principal and secondary diagnoses and procedures
- Admission and discharge status
- Patient demographics characteristics (e.g., sex, age, and, for some States, race/ethnicity)
- Expected payment source
- Total charges
- Length of stay.