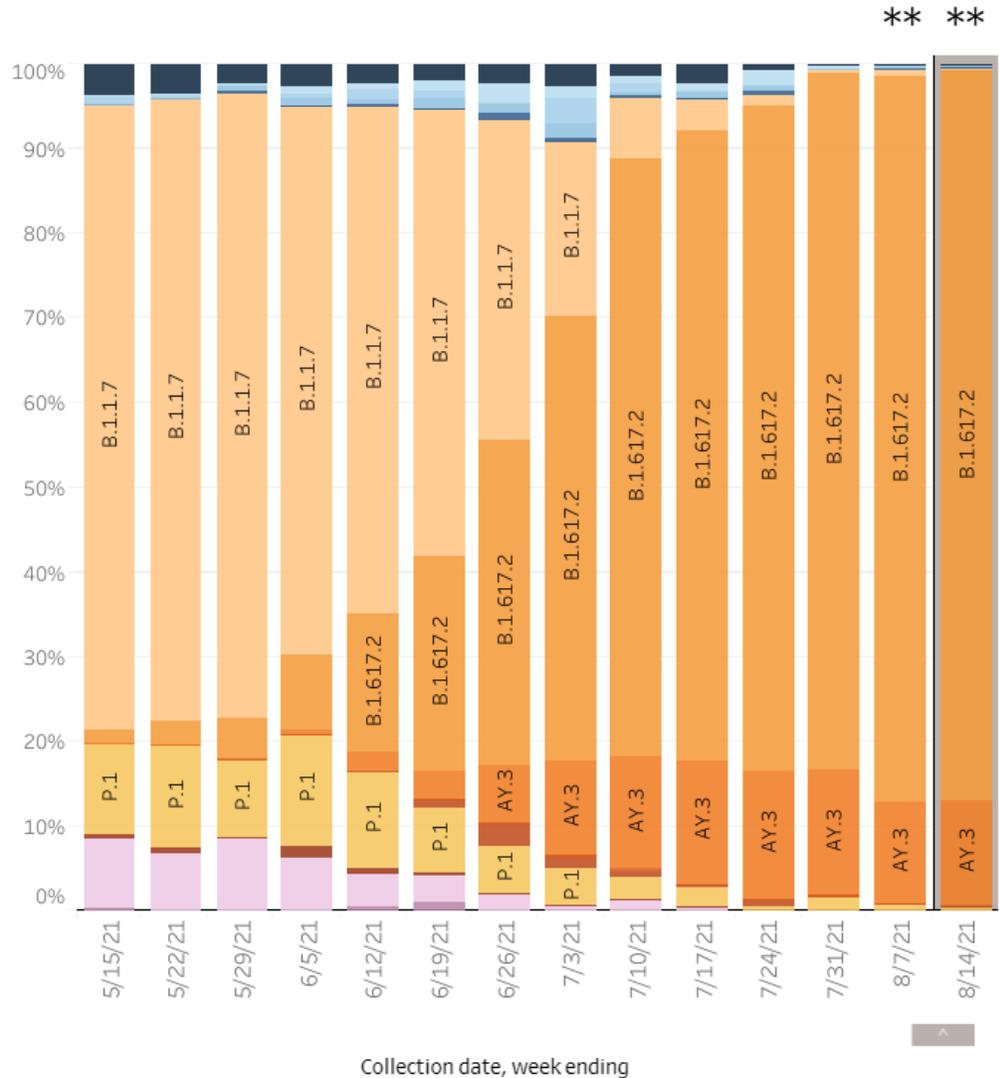


SARS-CoV-2 Variant Surveillance, HHS Region 5



HHS Region 5: 5/9/2021 – 8/14/2021

HHS Region 5: 8/8/2021 – 8/14/2021 NOWCAST



Region 5 - Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin

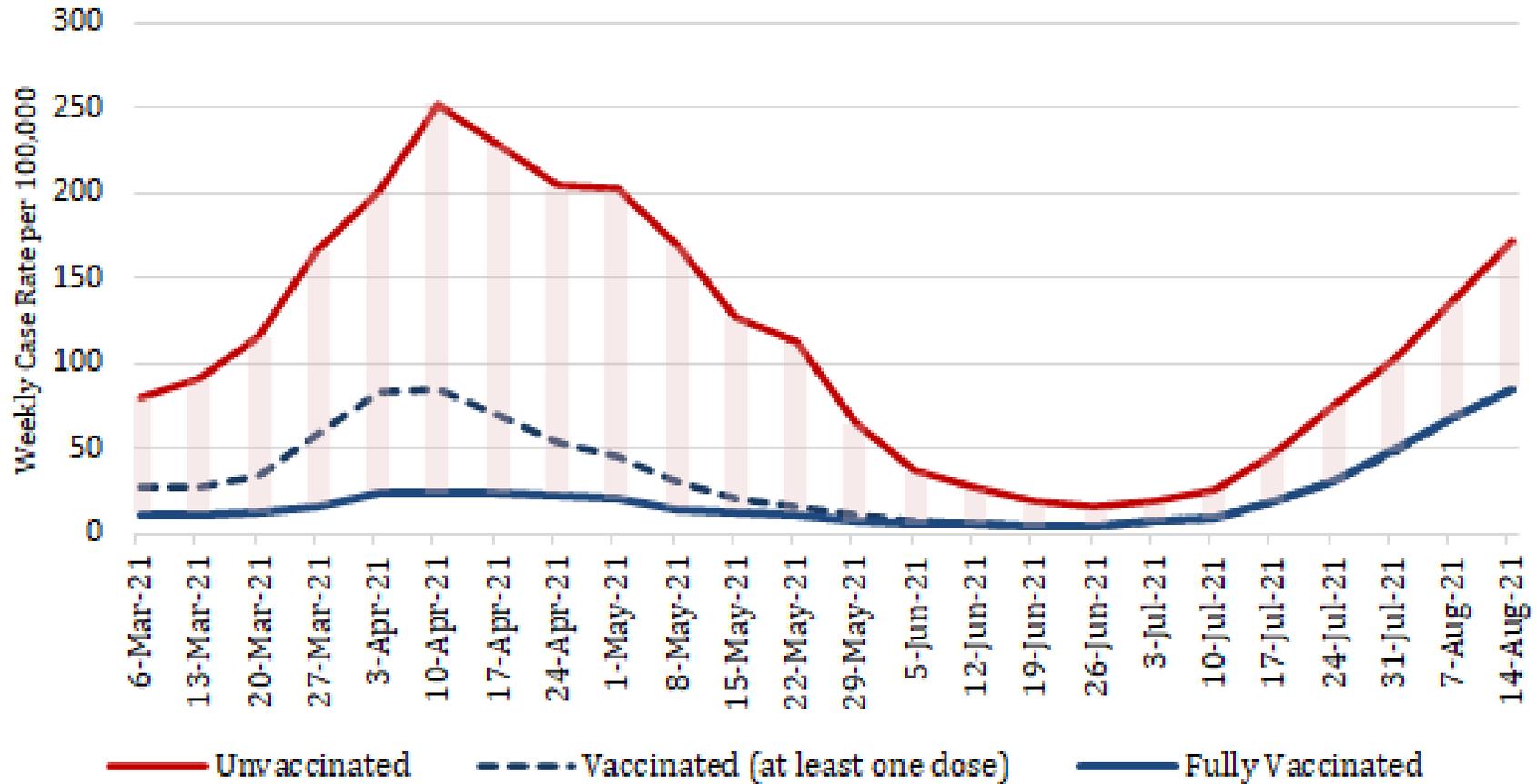
| WHO label | Lineage # | Type | %Total | 95%PI |
|-----------|-----------|------|--------|------------|
| Alpha | B.1.1.7 | VOC | 0.4% | 0.0-2.1% |
| Beta | B.1.351 | VOC | 0.0% | 0.0-2.1% |
| Gamma | P.1 | VOC | 0.3% | 0.0-2.1% |
| Delta | B.1.617.2 | VOC | 86.4% | 76.6-95.7% |
| | AY.3 | VOC | 12.3% | 4.3-23.4% |
| | AY.2 | VOC | 0.2% | 0.0-2.1% |
| | AY.1 | VOC | 0.0% | 0.0-2.1% |
| Eta | B.1.525 | VOI | 0.0% | 0.0-2.1% |
| Iota | B.1.526 | VOI | 0.0% | 0.0-2.1% |
| N/A | B.1.621 | | 0.2% | 0.0-2.1% |
| | B.1.621.1 | | 0.1% | 0.0-2.1% |
| | B.1.628 | | 0.0% | 0.0-2.1% |
| | A.2.5 | | 0.0% | 0.0-2.1% |
| | B.1.617.1 | VOI | 0.0% | 0.0-2.1% |
| | B.1.626 | | 0.0% | 0.0-2.1% |
| | B.1.617.3 | VOI | 0.0% | 0.0-2.1% |
| Other | Other* | | 0.0% | 0.0-2.1% |

* Enumerated lineages are VOI/VOC or are circulating >1% in at least one HHS region during at least one two week period; remaining lineages are aggregated as "Other".
 ** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates
 # Sublineages of P.1 and B.1.351 are aggregated with the parent lineage and included in parent lineage's proportion. AY.3.1 is aggregated with its parent lineage AY.3. AY.4-AY.12 aggregated with B.1.617.2

Note:
 The **NOWCAST** estimates use a multinomial regression model of weighted sequencing data to estimate variant proportions and prediction intervals for the most recent 2-week period.

Chicago: Weekly COVID-19 Case Rate per 100,000.

Unvaccinated at higher risk



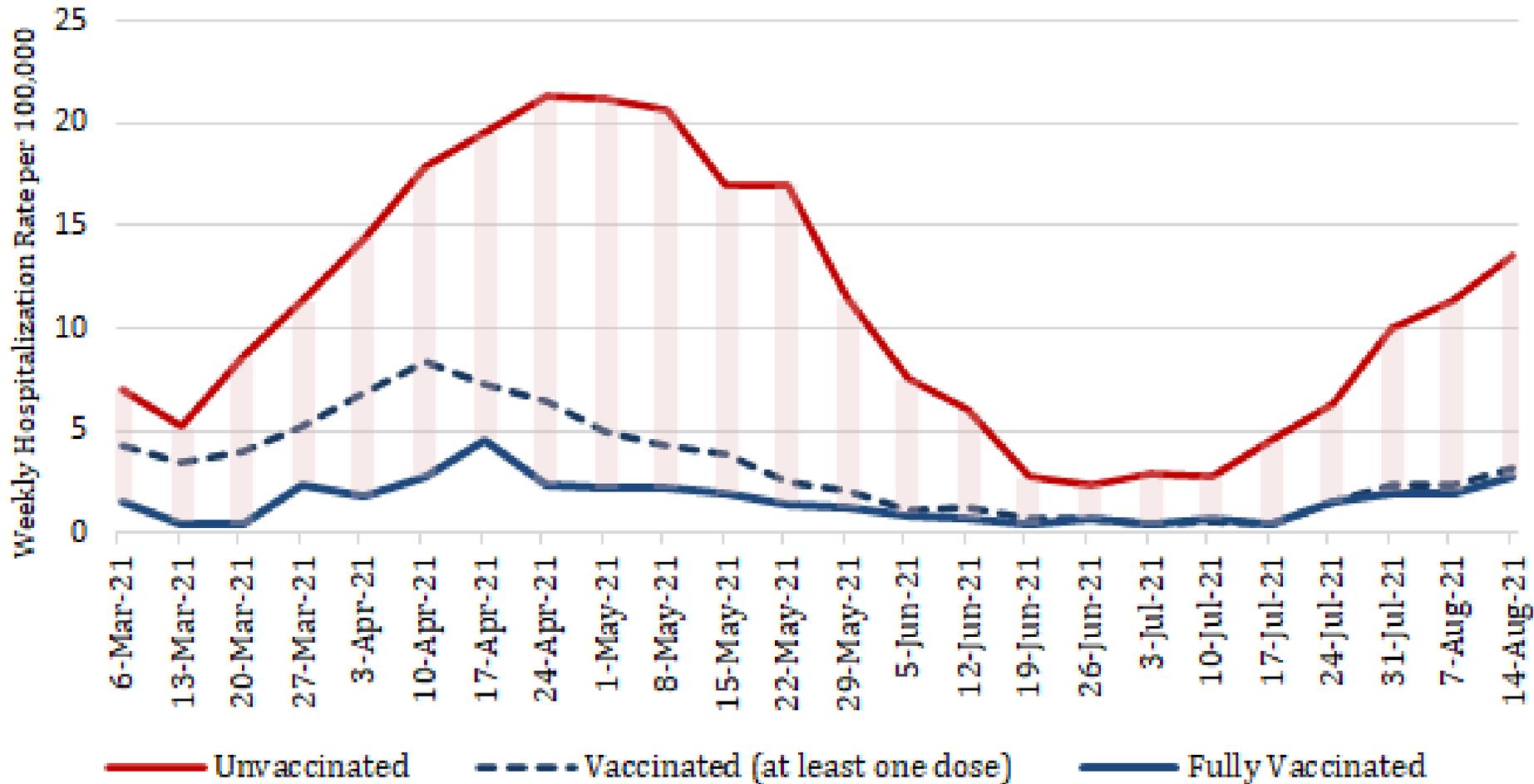
Notes:

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.



Chicago: Weekly COVID-19 Hospitalization Rate per 100,000.

Unvaccinated at higher risk

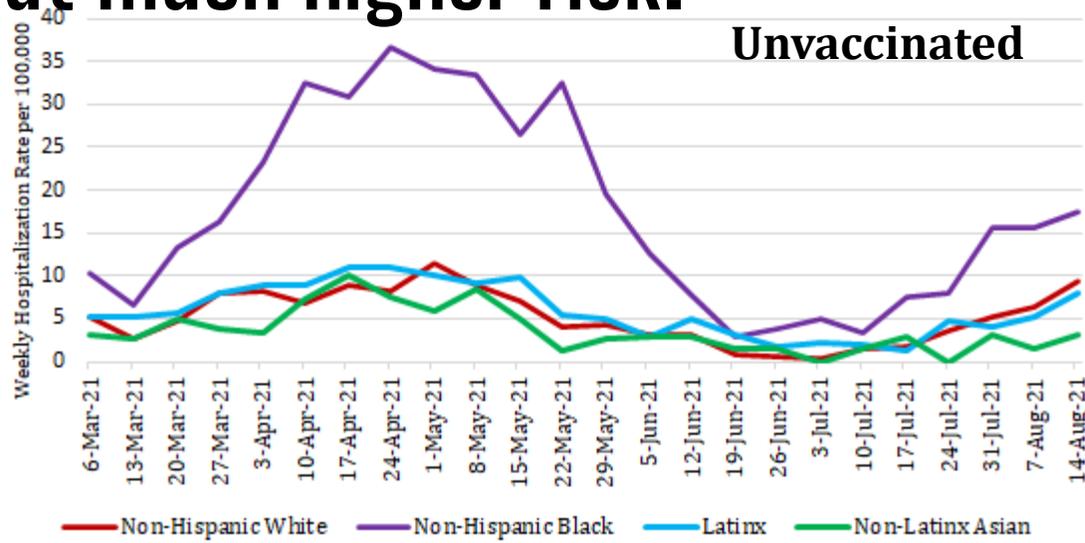


Notes:

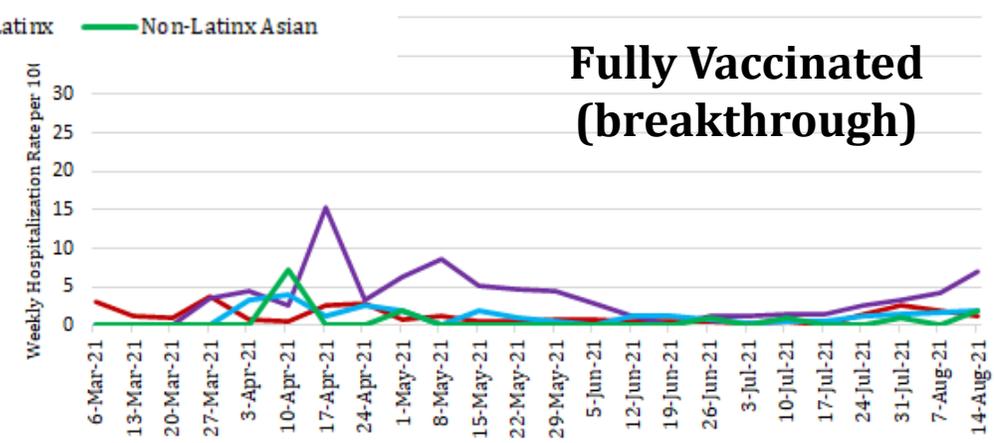
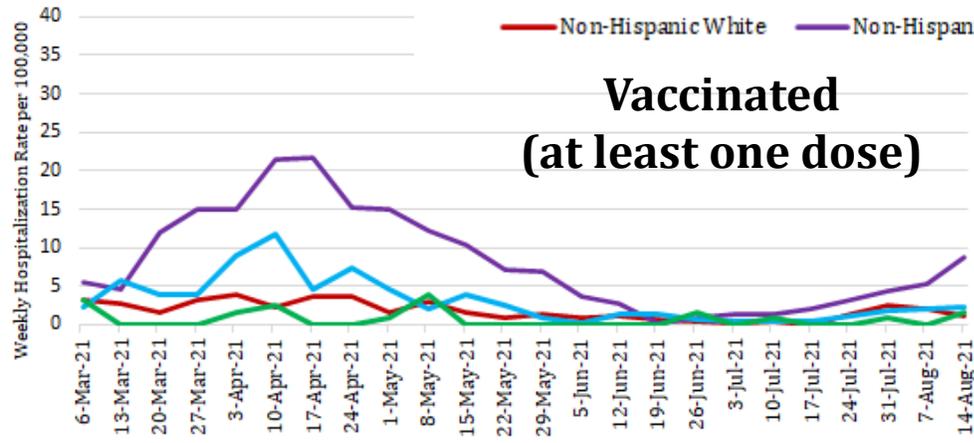
Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total hospitalized cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total hospitalized cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.



Chicago: Weekly Hospitalization Rate per 100,000 risk by Race/Ethnicity Category. Unvaccinated non-Hispanic Black Chicagoans at much higher risk.

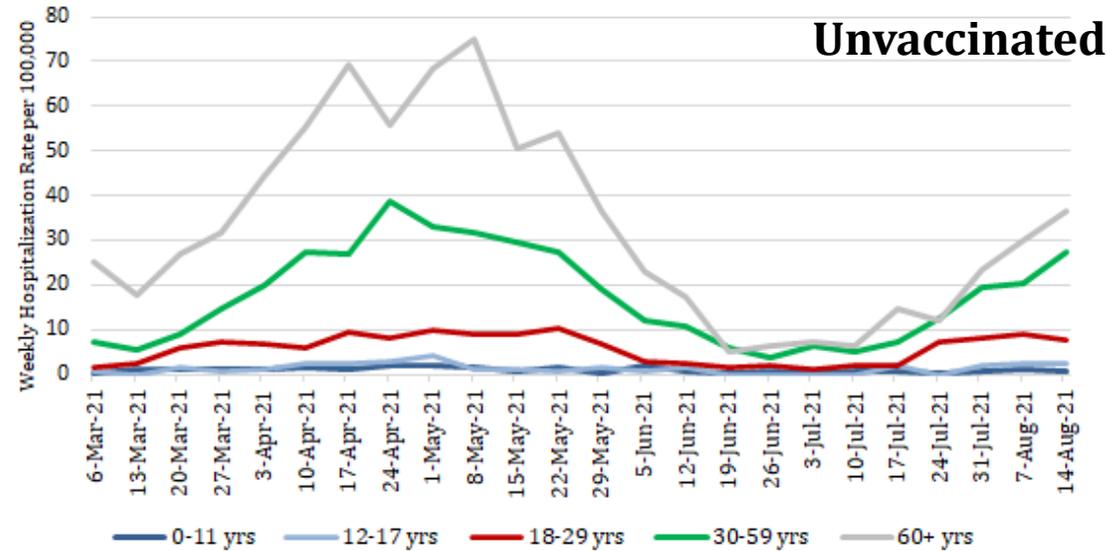


Highest hospitalization rate among unvaccinated non-Hispanic Black Chicagoans

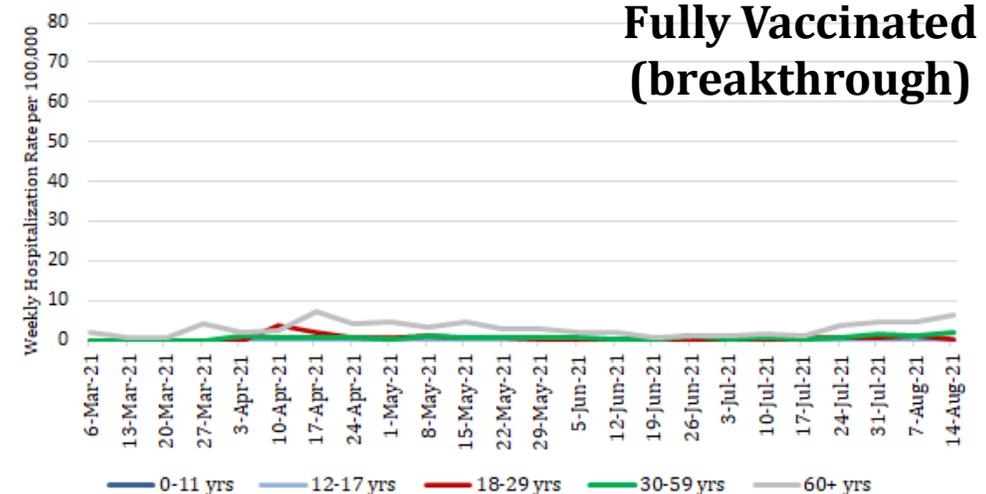
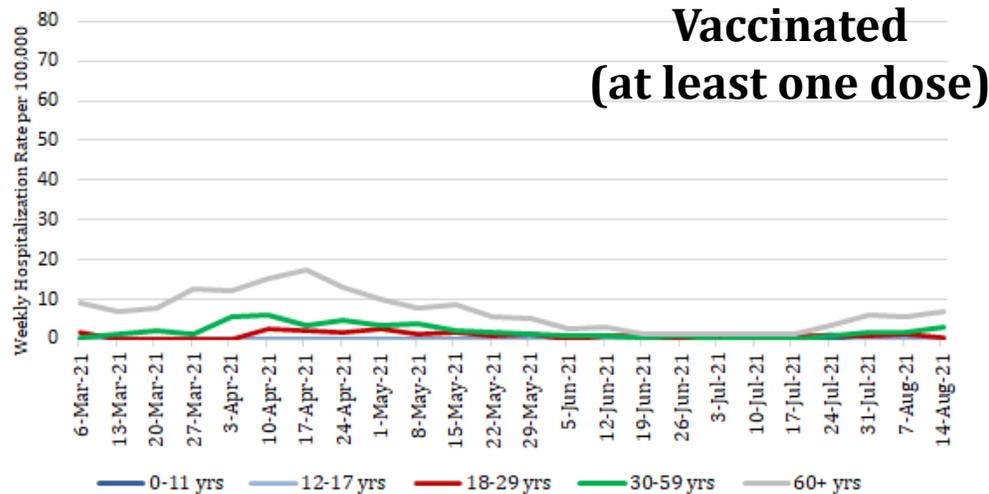


Notes: Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total hospitalized cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total hospitalized cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

Chicago: Weekly Hospitalization Rate per 100,000 by Age Category. **Unvaccinated** at much higher risk.



Highest hospitalization rate among **unvaccinated** Chicagoans 60 years and older



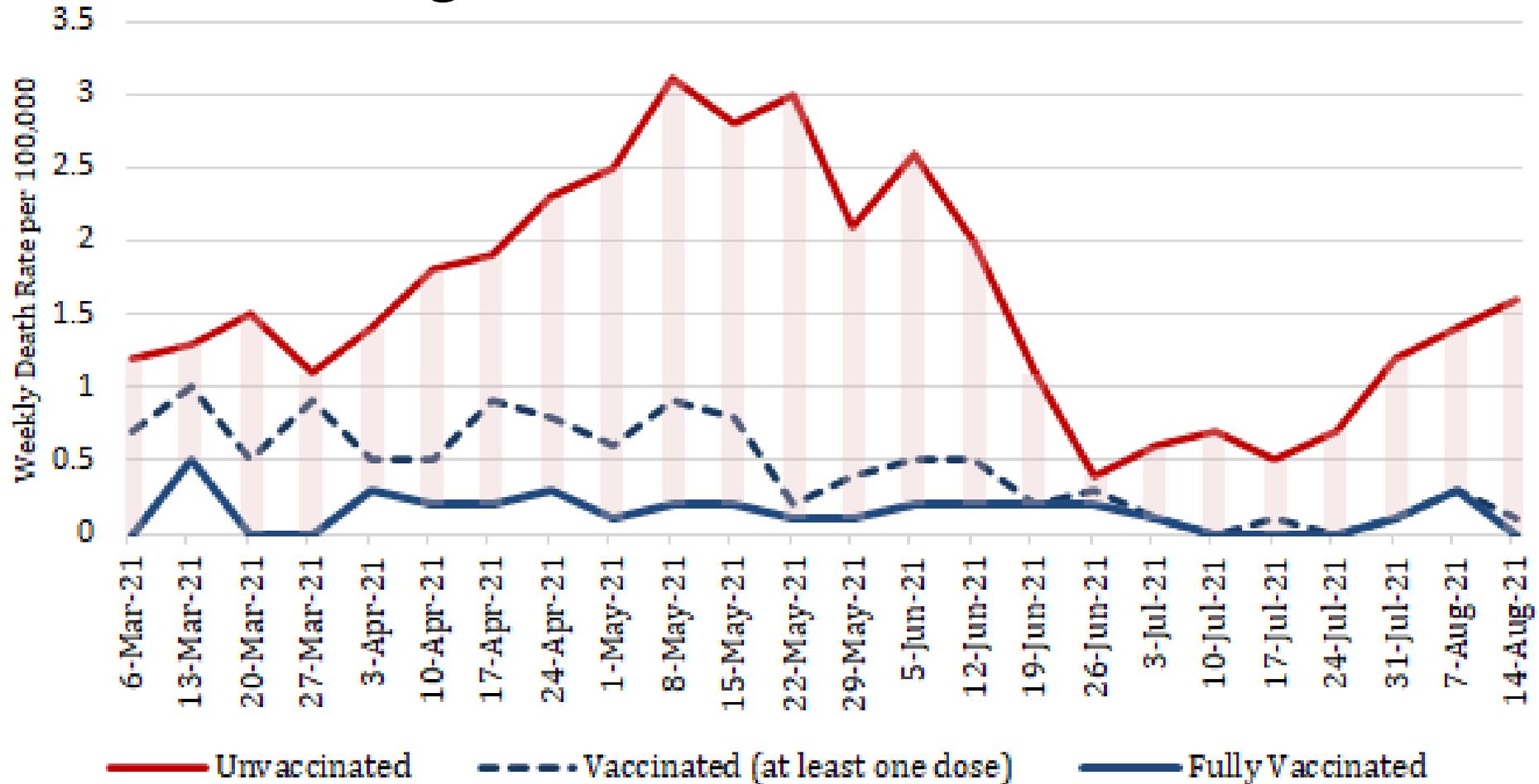
Notes:

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total hospitalized cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total hospitalized cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.



Chicago: Weekly COVID-19 Death Rate per 100,000.

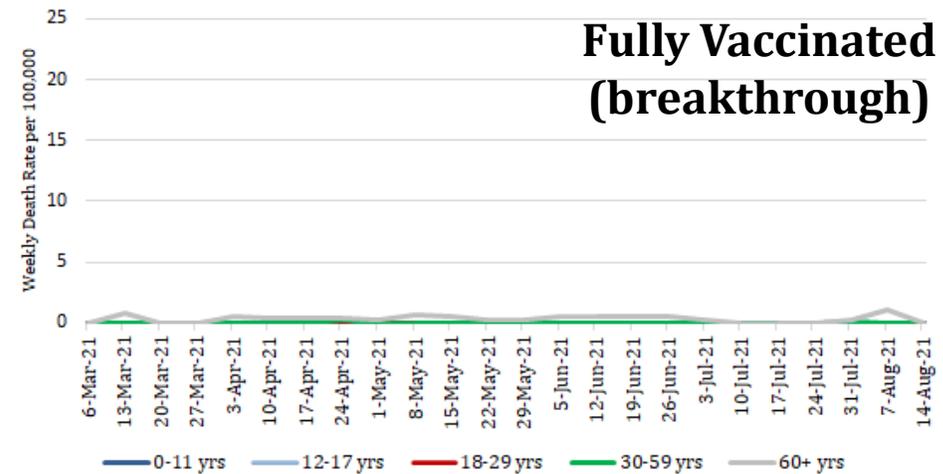
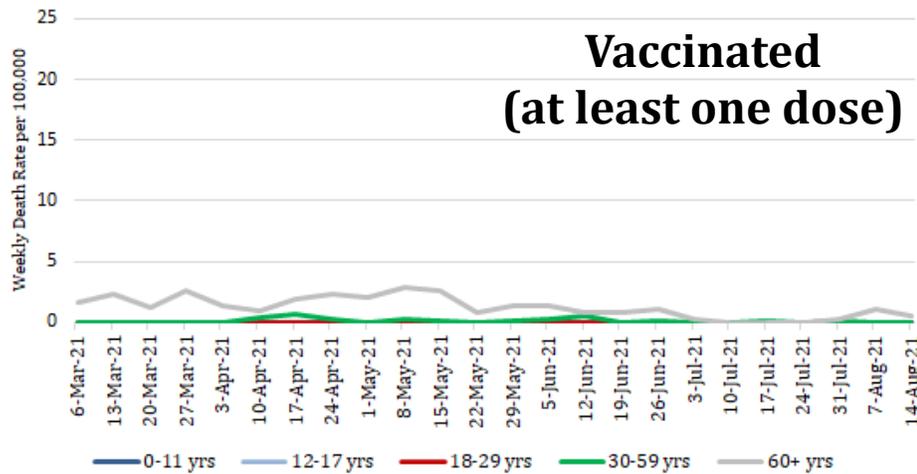
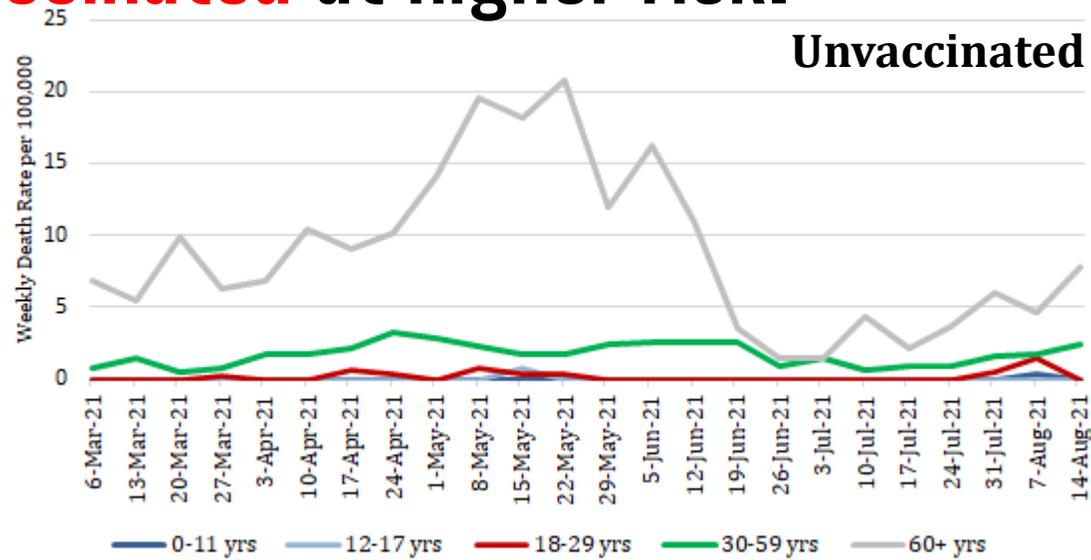
Unvaccinated at higher risk



Notes:

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total case deaths divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total case deaths divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

Chicago: Weekly COVID-19 Death Rate per 100,000 by Age Category. Unvaccinated at higher risk.



Notes:

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-8/14/2021, pulled 8/18/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Vaccinated defined as having had at least one dose prior to a positive test. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test. Rate for vaccinated calculated as total case deaths divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total case deaths divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

