New COVID-19 cases in Chicago beginning to increase again.
COVID-10 Test Positivity by Chicago Zip Code

Citywide test positivity: 13.3%
COVID-19 deaths are 5X higher than early October and have not started to decrease.

Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS. Daily counts for most recent dates displayed are likely incomplete.
Pfizer COVID-19 Vaccine Data submitted to FDA

- Tomorrow is the FDA Advisory Committee Meeting
- Approximately 44,000 volunteers in trial, age 16 and older.
- Half of the volunteers receive the vaccine, half receive a placebo; follow all and track cases of COVID-19.

- No specific safety concerns identified with median of two months of follow-up.
Pfizer Vaccine Data: COVID-19 cases

People who received placebo: 162 cases in placebo group

People who received vaccine: 8 cases in vaccine group

Vaccine was 95% effective in preventing COVID-19

Similar efficacy across age, race/ethnicity, gender, and underlying medical conditions
## Side effects reported after 2\textsuperscript{nd} dose of Pfizer vaccine (age 18-55)

<table>
<thead>
<tr>
<th>Side Effect</th>
<th>Frequency (Placebo)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pain at injection site</td>
<td>78% (12% placebo)</td>
</tr>
<tr>
<td>Fatigue</td>
<td>59% (23% placebo)</td>
</tr>
<tr>
<td>Headache</td>
<td>52% (24% placebo)</td>
</tr>
<tr>
<td>Redness/swelling at injection site</td>
<td>6% (&lt;1% placebo)</td>
</tr>
<tr>
<td>Muscle pain</td>
<td>37% (8% placebo)</td>
</tr>
<tr>
<td>Chills</td>
<td>35% (4% placebo)</td>
</tr>
</tbody>
</table>

Less common: fever, diarrhea, vomiting, joint pain

These side effects were \textbf{less} common in people over age 55.

Side effects are the body producing an immune response.
Ongoing Safety Monitoring:
COVID Vaccine Scientific Workgroup

• Ann Muñana, Chamberlain College
• Anup Malani, University of Chicago
• Charlesnika Evans, Northwestern University
• Daniel Johnson, University of Chicago
• Elizabeth Aquino, DePaul University
• Eve Shapiro, West Side United
• Horace Smith, Northwestern University
• Kelly Michelson, Lurie’s Children, Northwestern University
• Larry Goodman, Rush

• Latania Logan, Rush
• Phoenix Matthews, University of Illinois at Chicago
• Robert Weinstein, Rush
• Sonali Smith, University of Chicago
• Stephanie Crawford University of Illinois at Chicago
• Wayne Giles, University of Illinois at Chicago
• William Wong, NM Corporate Health
• Yuan Ji, University of Chicago