COVID-19 Data
Northwell Health Laboratories
Update April 9, 2020
James M Crawford, MD PhD
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Linear Fitting to the LOG10 Curves for New York State Case Incidence and Deaths

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<tbody>
<tr>
<td>Log10 Slope</td>
<td>0.1401</td>
<td>0.0788</td>
<td>0.0496</td>
<td>0.0321</td>
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<tr>
<td>Days for 10X increase</td>
<td>6.2</td>
<td>12.7</td>
<td>20.2</td>
<td>31.2</td>
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</tbody>
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<tbody>
<tr>
<td>Log10 Slope</td>
<td>0.1911</td>
<td>0.1173</td>
<td>0.1018</td>
<td>0.0672</td>
</tr>
<tr>
<td>Days for 10X increase</td>
<td>5.2</td>
<td>8.5</td>
<td>9.8</td>
<td>14.9*</td>
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</table>

*Lag in LOG10 curves
April 8, 2020

**Daily Positive COVID-19 Tests**

- Northwell Cases
- New York State Cases

**Daily COVID-19 Deaths**

- Northwell Deaths
- New York State Deaths
Blood Culture Bottles per Day vs. COVID-19 PCR orders

April 6, 2020

Axis Title

0/01 (Wed) 0/03 (Fri) 0/07 (Sun) 0/15 (Mon) 0/17 (Wed) 0/21 (Fri) 0/25 (Sun) 0/27 (Wed) 0/29 (Fri) 0/31 (Sun) 02/02 (Tue) 02/04 (Thu) 02/06 (Sat) 02/08 (Mon) 02/10 (Wed) 02/12 (Fri) 02/14 (Sun) 02/16 (Tue) 02/18 (Thu) 02/20 (Sat) 02/22 (Mon) 02/24 (Wed) 02/26 (Fri) 02/28 (Sun) 03/01 (Tue) 03/03 (Thu) 03/05 (Sat) 03/07 (Mon) 03/09 (Wed) 03/11 (Fri) 03/13 (Sun) 03/15 (Tue) 03/17 (Thu) 03/19 (Sat) 03/21 (Mon) 03/23 (Wed) 03/25 (Fri) 03/27 (Sun) 04/02 (Wed) 04/04 (Sat)

Blood cultures #

- daily volume
- Covid Testing

Northwell Health
COVID-19: Laboratory Considerations (in progress)

- [COVID-19 PCR] Test Performance on different platforms
- Serologic Testing for COVID-19 Immunoreactivity
- “Need to know” [COVID-19 PCR] tests (e.g., Pre-Surgical Testing, OB)
- Preparing for “Convalescent Plasma”