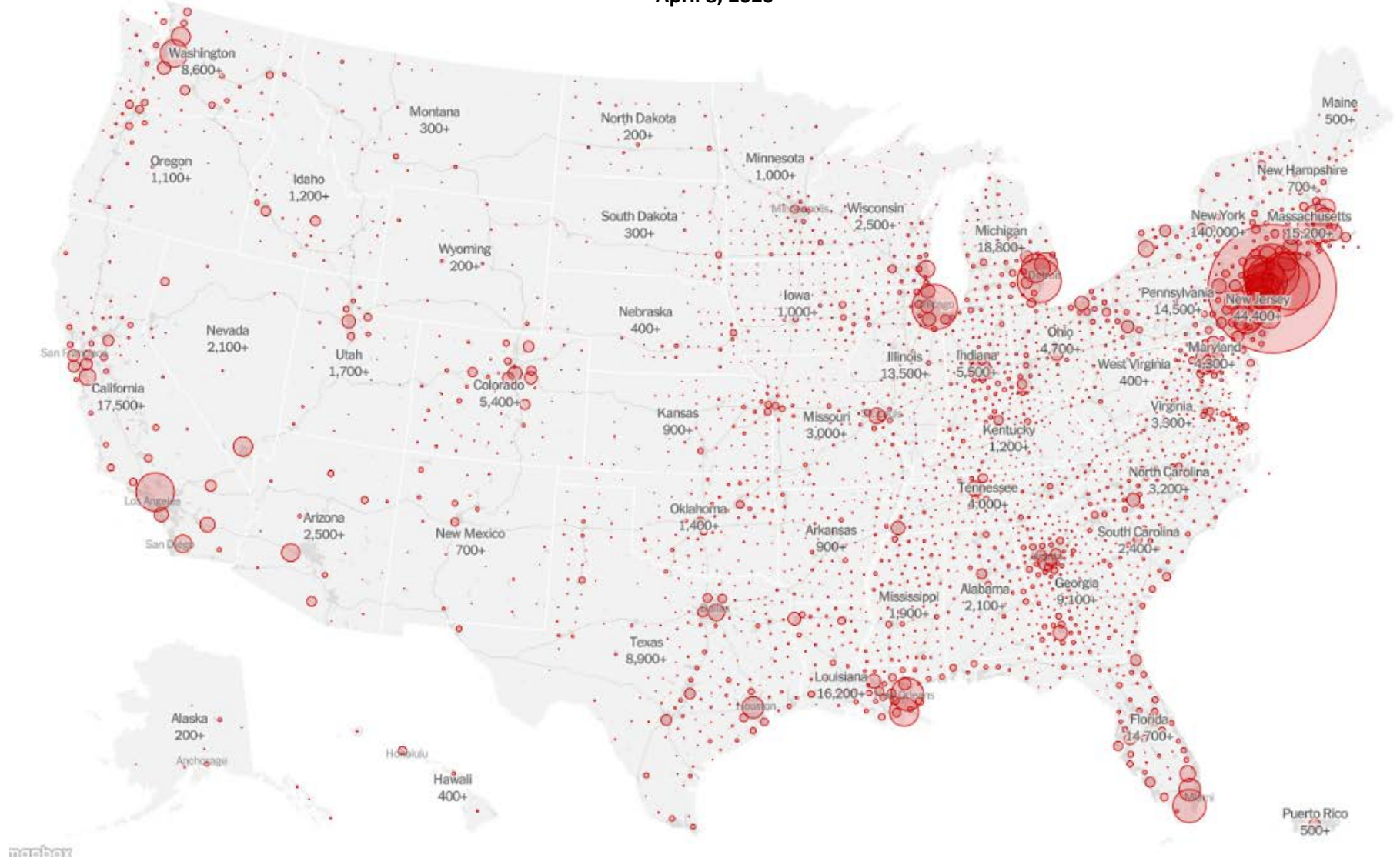


COVID-19 Data Northwell Health Laboratories Update April 9, 2020

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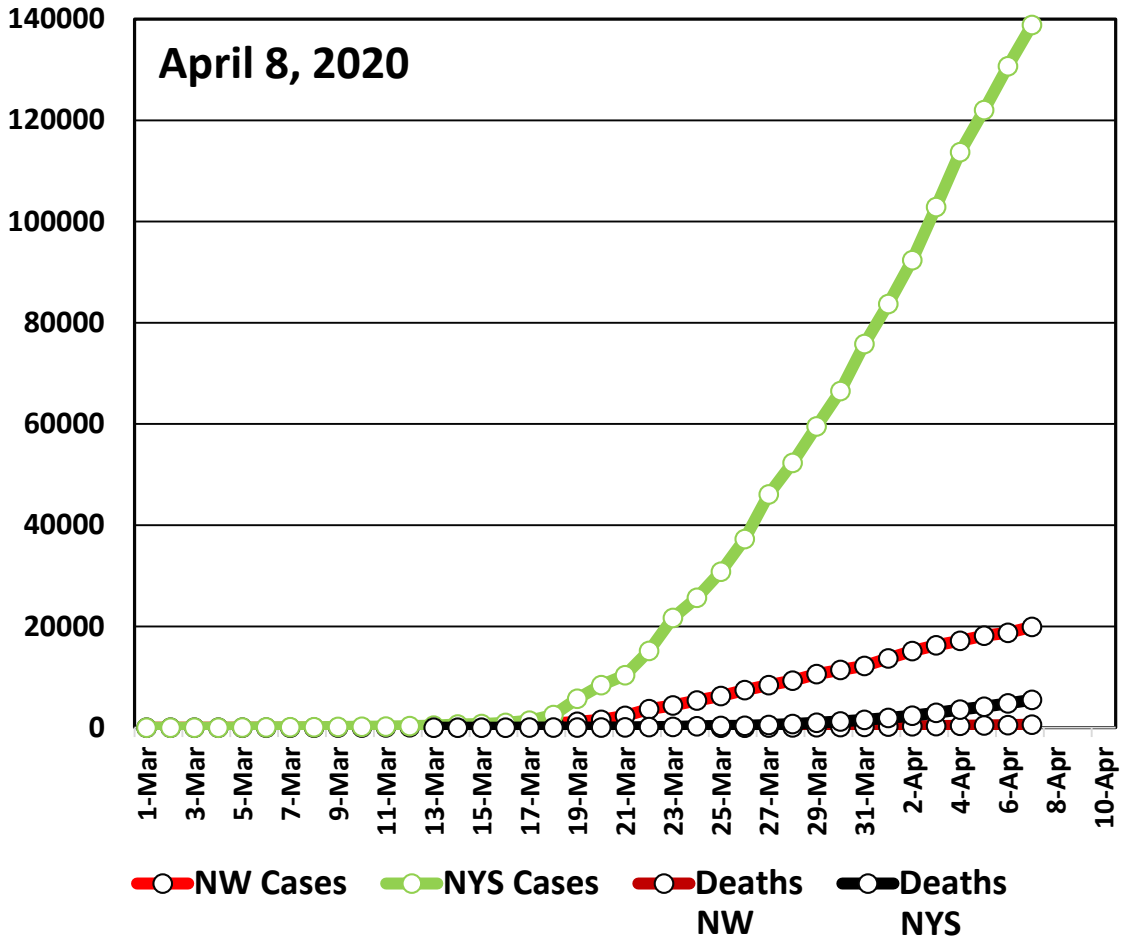


April 8, 2020

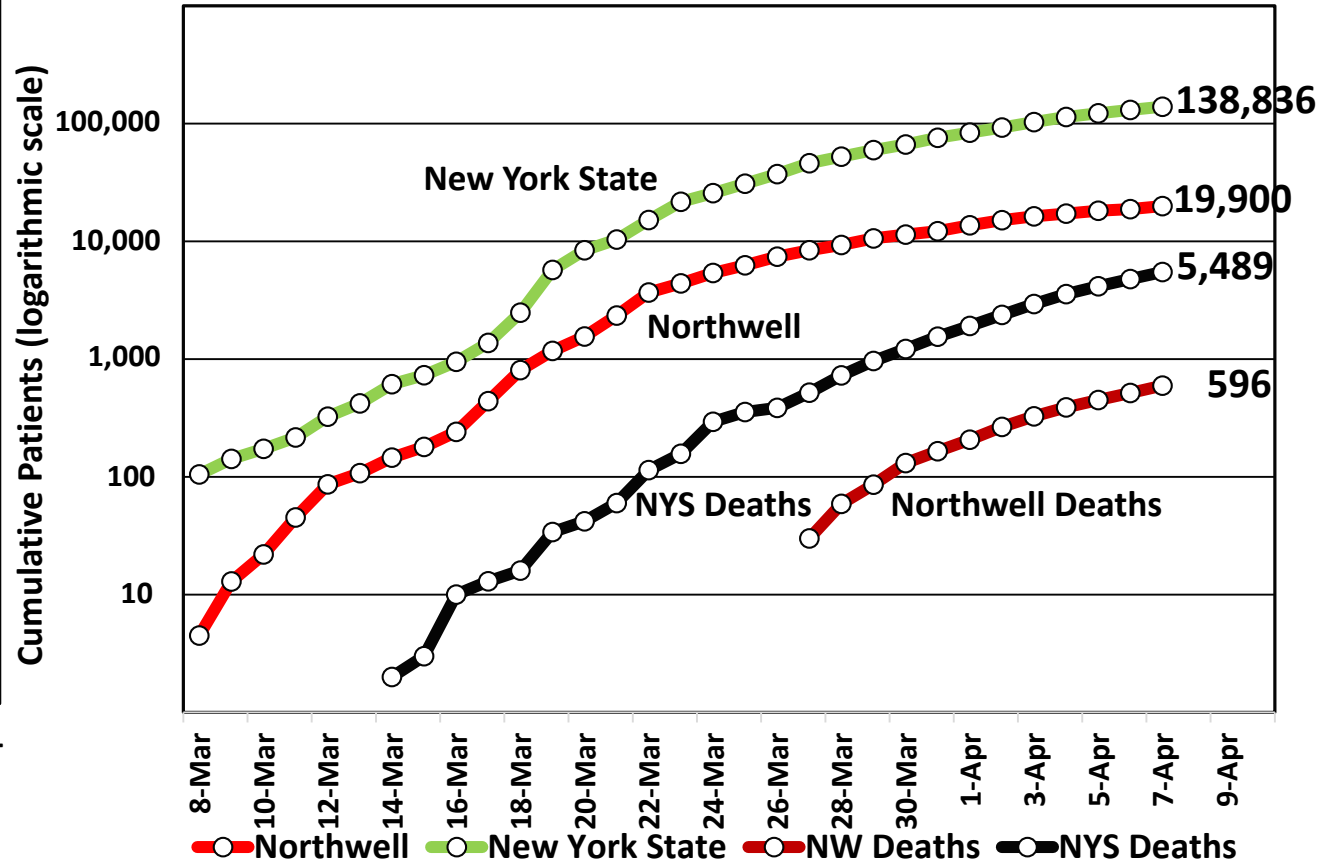


COVID-19 PCR Testing

Linear Plot



LOG10 Plot

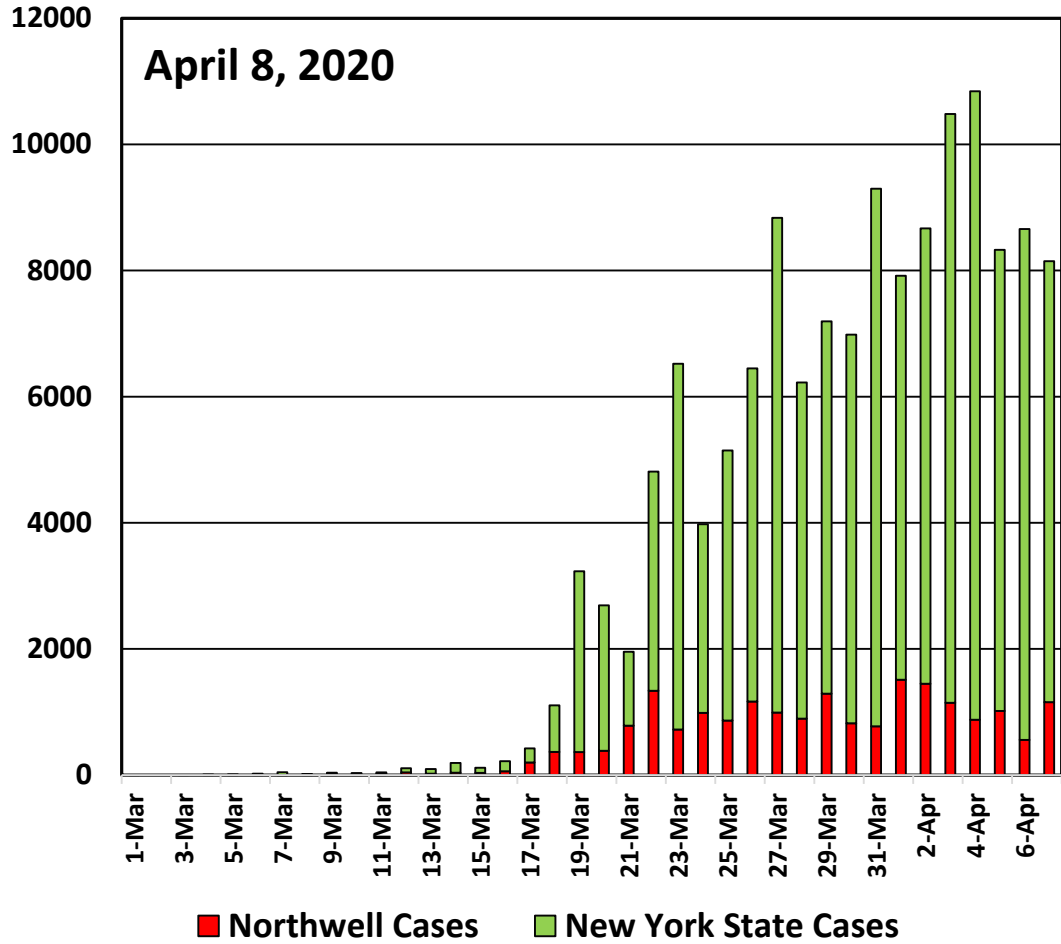


Linear Fitting to the LOG10 Curves for New York State Case Incidence and Deaths

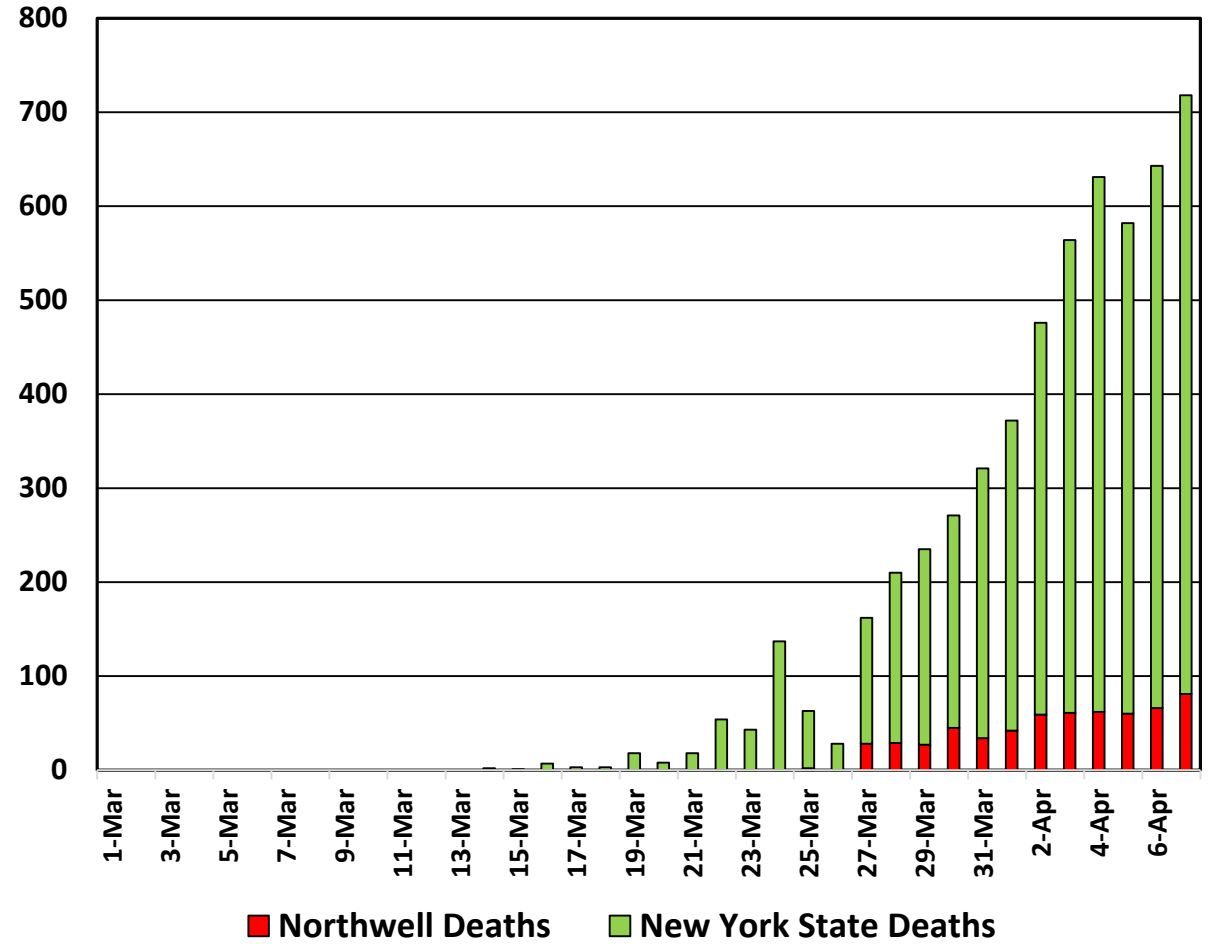
	New York State Cases			
<i>Date Interval</i>	<i>3/20-23</i>	<i>3/23-28</i>	<i>3/28-4/2</i>	<i>4/3-7</i>
Log10 Slope	0.1401	0.0788	0.0496	0.0321
Days for 10X increase	6.2	12.7	20.2	31.2
	New York State Deaths			
<i>Date Interval</i>	<i>3/20-23</i>	<i>3/23-28</i>	<i>3/28-4/2</i>	<i>4/3-7</i>
Log10 Slope	0.1911	0.1173	0.1018	0.0672
Days for 10X increase	5.2	8.5	9.8	14.9*

**Lag in LOG10 curves*

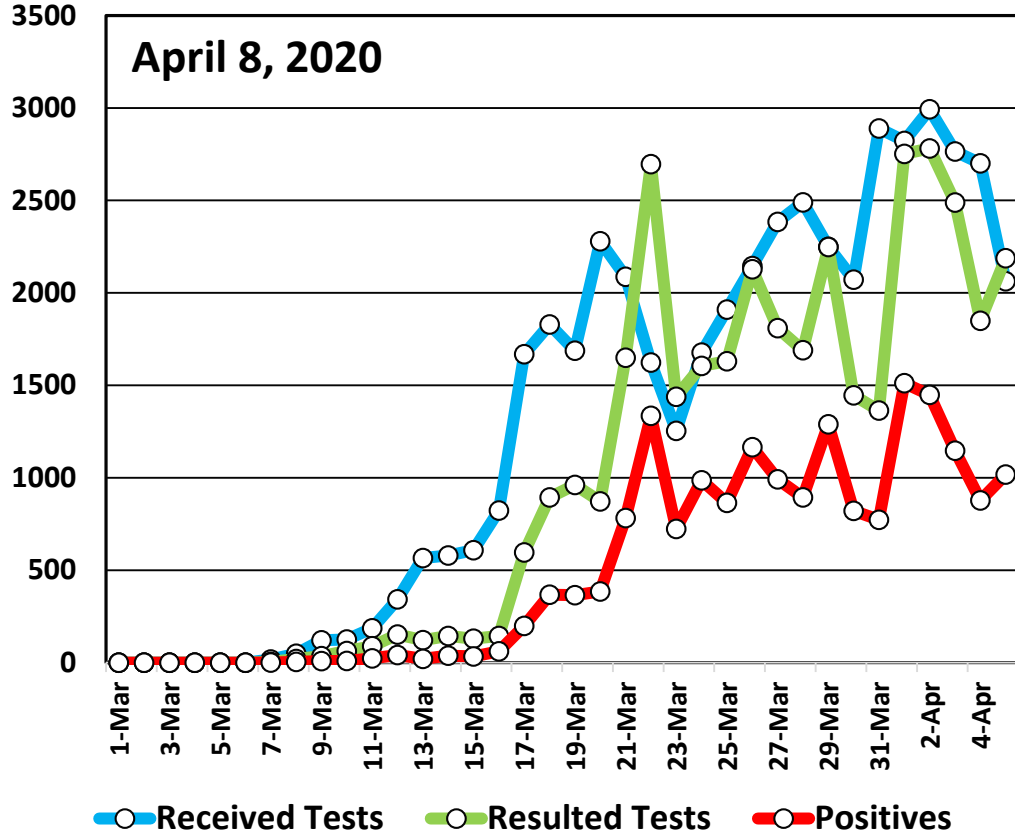
Daily Positive COVID-19 Tests



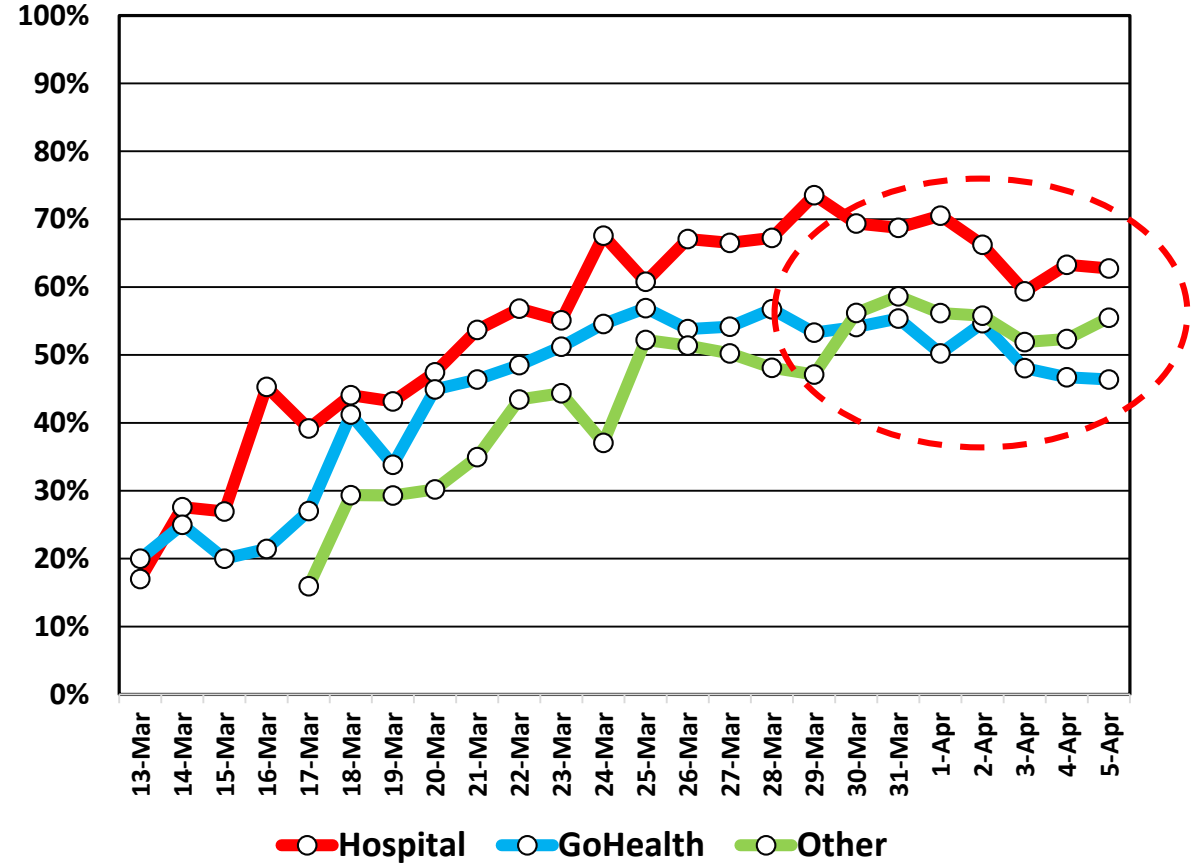
Daily COVID-19 Deaths



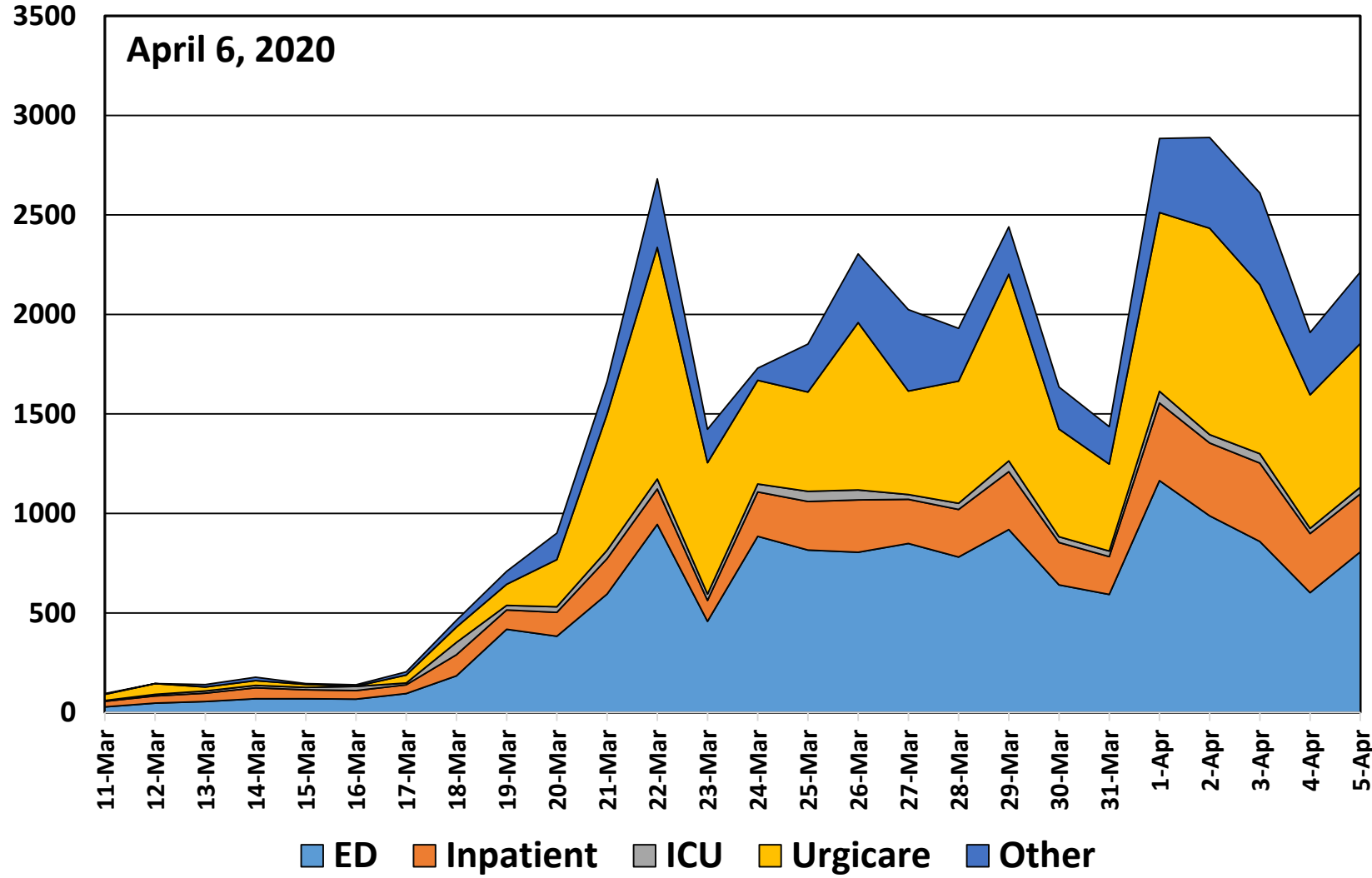
Northwell: Daily Resulted COVID-19 Tests



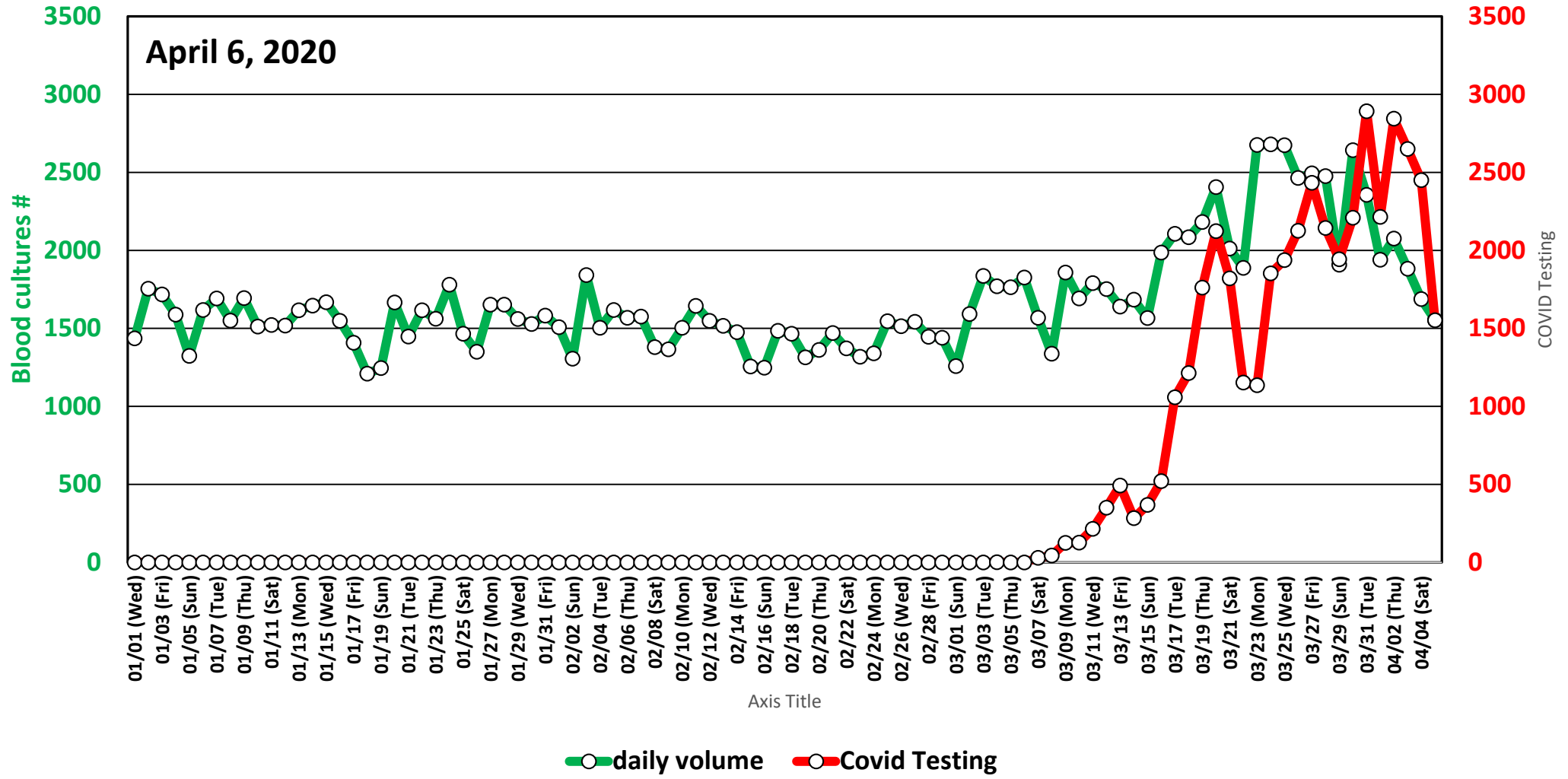
Northwell: COVID-19 Daily Positivity Rates



Daily Tests by Clinical Site



Blood Culture Bottles per Day vs. COVID-19 PCR orders



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”**