SARS-CoV-2 activity: New York metro area 10<sup>5</sup> -10<sup>-2</sup> Cases per capita 10<sup>4</sup> 10<sup>-3</sup> Case count 10<sup>3</sup> -10<sup>-4</sup> 10<sup>2</sup> - $10^{-5}$ New cases (7 day avg.) New cases (7 day avg.) 10<sup>1</sup>  $10^{-6}$ Cumulative cases Cumulative cases  $10^{-7}$ Apr 1 Mar 15 Mar 15 Apr 1 Apr 15 May 1 Apr 15 May 1 New confirmed cases per capita (7day avg.) 10<sup>-3</sup> 10<sup>3</sup> -New confirmed cases (7day avg.) 10<sup>-5</sup> -10<sup>1</sup>  $10^{-6}$ Mar 15 Apr 1 Apr 15 May 1 Mar 15 Apr 1 Apr 15 May 1 county New York Queens Queens Testing effort (fraction negative, 7 day avg.) 1.0 -0.5 -New York Mar 15 Apr 15 Apr 1 May 1

Cases are time-delayed undercount of total infections. Cases are better indicator of virus activity when positive test rate is stable. Data from Johns Hopkins CSSE and The COVID Tracking Project. Plot by jeff smith Ph.D. https://github.com/matryoshkev/arch-covid