SARS-CoV-2 activity: Chicago-Naperville-Elgin, IL-IN-WI 10<sup>-3</sup> -10<sup>3</sup> -New confirmed cases per capita (7day avg.) 10<sup>-4</sup> New confirmed cases (7day avg.) 10<sup>2</sup> 10<sup>-6</sup> -10<sup>1</sup> - $10^{-7}$ Mar 15 Apr 1 Apr 15 May 1 May 15 Mar 15 Apr 1 Apr 15 May 1 May 15 Cook Lake Porter Cook Porter McHenry Will McHenry Will 1.0 -Testing effort (fraction negative, 7 day avg.) 0.5 -Indiana 0.0 Apr 1 Mar 15 Apr 15 May 15 May

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