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 Apr 1 May 1 Apr 1 May 1 Jun 1 Jun 1 Cook Porter Cook Porter McHenry DuPage McHenry Will 1.0 -Testing effort (fraction negative, 7 day avg.) 0.5 -0.0 Apr 1 May 1 Jun 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