Rate  $[\mathrm{Gpc}^{-3}\,\mathrm{yr}^{-1}]$  $10^{-3}$  $10^{3}$  $10^{-2}$  $10^{-1}$  $10^{0}$  $10^{1}$  $10^2$  $10^5$  $10^4$ Gravitational waves GWTC-2, Abbott et al. (2020f) Short gamma-ray bursts Dichiara et al. (2020) Zhang et al. (2018) Della Valle et ál. (2018) Petrillo et al. (2013) Coward et al. (2012)Fong et al. (2015) Jin et al. (2018)Kilonovae Jin et al. (2016)Kasliwal et al. (2017), PTF Andreoni et al. (2021), ZTF Doctor et al. (2017), DES Smartt et al. (2017), ATLAS Yang et al. (2018), DLT40 Galactic double neutron stars Kim et al. (2015) Pol et al. (2020) O'Shaughnessy and Kim (2009) Isolated binary evolution Belczynski et al. (2018) Klencki ét al. (2018) Boco et al. (2019) Kruckow et al. (2018) Dominik et al. (2015) Artale et al. (2019) Neijssel et al. (2019) Ölejak et al. (2021) 🐠 Vigna-Gómez et al. (2018) Santoliquido et al. (2020) Baibhav et al. (2019) Giacobbo and Mapelli (2018) Bèlczyński et al. (2020) de Mink and Belczynski (2015) 🌗 Mapelli and Giacobbo (2018) Chruslinska et al. (2018) Giácobbo and Mapelli (2020) Ghodla et al. (2021) Chruslinska et al. (2019) Santoliquido et al. (2021) O'Shaughnessy et al. (2010) Mennekens and Vanbeveren (2014) Eldridge et al. (2019) Tang et al. (2020) Lipunov and Pruzhinskaya (2014) **Triples** Hamers and Thompson (2019) Globular clusters ♦ Belczynski et al. (2018a) Bae et al. (2014) Ye et al. (2020) Lee et al. Samsing et al. (2014) Nuclear star clusters ◀Petrovich and Antonini (2017) Belczynski et al. (2018a) Wang et al. (2020) • Antonini and Perets (2012) McKernan et al. (2020) Young/Open stellar clusters Ziosi et al. (2014) Santoliquido et al. (2020)  $10^0$  $10^2$  $10^3$  $10^{-2}$  $10^{-1}$  $10^5$  $10^4$ Rate  $[\mathrm{Gpc}^{-3}\,\mathrm{yr}^{-1}]$