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