(a) Articles awarded any badges 100 80.3% 73.2% (n = 152)% published articles 68.2% 80 65.5% (n = 168)62.8% 59.0% 59.5% (n = 157)(n = 110)(n = 196)(n = 183)(n = 173)60 41.2% 32.6% (n = 165)40 (n = 215)8.7% 20 (n = 288)0 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 **Publication Year** (b) Articles awarded an Open Data badge 100 % published articles 70.4% 67.9% 80 63.1% (n = 152)(n = 168)57.7% 58.2% 54.9% 52.5% (n = 157)(n = 110)(n = 196)(n = 173)60 (n = 183)34.5% 28.8% 40 (n = 165)(n = 215)7.3% 20 (n = 288)0 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 **Publication Year** (c) Articles awarded an Open Materials badge 100 % published articles 80 55.3% 50.6% 49.7% 60 43.4% 44.5% (n = 157)(n = 168)40.9% 39.9% (n = 173)(n = 196)(n = 110)(n = 183)40 24.8% 23.7% (n = 165)(n = 215)6.2% 20 (n = 288)0 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 **Publication Year** (d) Articles awarded a Preregistered badge 100 80

% published articles 60 42.8% 36.3% 35.7% 34.5% (n = 152)(n = 157)(n = 168)40 25.4% (n = 110)20.4% (n = 173)(n = 196)10.9% 20 1.9% 2.4% (n = 183)0.0% (n = 165)(n = 215)(n = 288)0 2014 2016 2017 2018 2019 2020 2021 2022 2015 2023 **Publication Year**