Table A-8. Response measures: 2008–24

(Percent)

Measure	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Check-in rate[a]	79.5	74.9	75.1	73.7	78.6	74.3	73.3	80.1	80.5	75.6	74.0	72	69	70	69	72	67
Response rate (unweighted)[b]	74.2	73.1	71.4	71.1	77.1	73.6	72.5	79.6	80.2	74.5	72.8	69	67	69	67	71	66
Coverage rate for known positive sampling strata (using weighted R&D)[c]	91.4	91.5	87.7	86.0	91.4	90.4	91.0	93.0	92.6	92.4	90.5	92	92	92	94	94	93
Coverage rate for unknown sampling strata (using weighted payroll)[c]	79.9	75.0	76.2	76.7	84.2	77.7	78.1	84.3	73.4	73.6	71.6	68	65	69	67	67	64
Coverage rate for known zero sampling strata (using unweighted counts)[c]	77.2	78.7	74.5	76.0	82.7	80.7	80.4	83.4	88.0	80.0	80.3	79	78	na	na	na	na

na = not applicable.

[a] The check-in rate is the number of survey responses from in-scope companies divided by the total number of in-scope companies in the sample.
[b] The unweighted response rate is the number of responding companies with worldwide R&D expenses or costs funded by others or the number of responding companies with worldwide or domestic sales or worldwide or domestic employees (if R&D was zero) divided by the total number of in-scope companies in the sample.
[c] Coverage rates are based on the same numerator and denominator as the response rate, but each company's measure of size at the time of sample selection is taken into account.

Note(s):
Beginning in survey year 2021, companies in the known zero R&D group were combined with the unknown R&D group. See the Technical Notes section at https://ncses.nsf.gov/surveys/business-enterprise-research-development/2024#methodology. Beginning in survey year 2019, these percentages reflect a change in rounding methodology.

Source(s):
National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey.