Minnesota Manufacturing Business Conditions Survey Methodology

Year End 2024

The Data Axle Reference Solutions database identified a population of 9,419 Minnesota manufacturing establishments for the survey. A random sample of 1,000 businesses was stratified based on firm size. Two survey mailings were distributed to the selected businesses in late November and early December. The deadline for responses was January 3, 2025.

Addresses deemed invalid from the first mailing were replaced in the second mailing. Surveys that remained undeliverable or unusable after both mailings were excluded from the analysis.

A total of 299 surveys were returned. Of these, 67 respondents indicated they did not conduct manufacturing operations, resulting in a final response rate of 23.2%. Survey results were tabulated only for businesses with on-site manufacturing operations.

The margin for sampling error was calculated, yielding a 95% confidence interval of ±5.6 percentage points for the results representing all manufacturers. Results may also be subject to non-sampling errors, including the effects of question wording and potential differences between respondents and non-respondents (nonresponse bias).