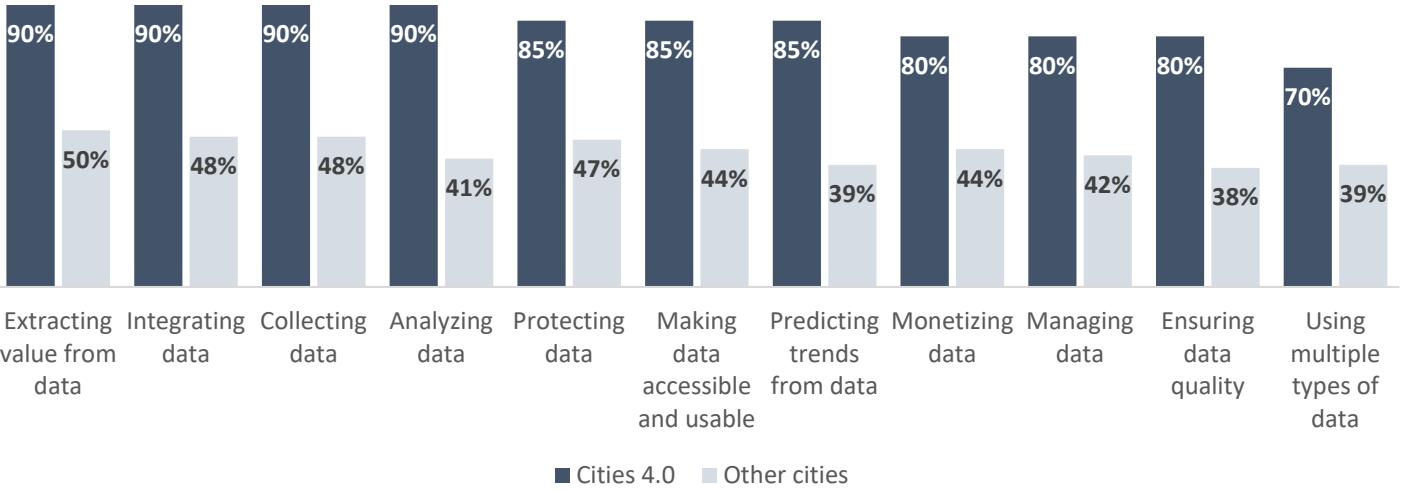# Cities 4.0 excel at data management

Cities 4.0 are well ahead of other cities in all aspects of data management. They are masters at collecting, integrating, protecting, and making data accessible to citizens. They also are superior at extracting value from data and do a better job of monetizing and analyzing data, including predictive analysis.

Cities 4.0 take concrete steps to harness data effectively. Most have policies, resources, and budgets in place to manage and analyze data at a high level of excellence. They tend to be more open in their use of data and integrate it across city departments.

Data maturity
(% citing maturing or leading)

Legend: ■ Cities 4.0   ■ Other cities

Category	Cities 4.0	Other cities
Extracting value from data	90%	50%
Integrating data	90%	48%
Collecting data	90%	48%
Analyzing data	90%	41%
Protecting data	85%	47%
Making data accessible and usable	85%	44%
Predicting trends from data	85%	39%
Monetizing data	80%	44%
Managing data	80%	42%
Ensuring data quality	80%	38%
Using multiple types of data	70%	39%

Data management steps taken by Cities 4.0

1   **70%** have a written data policy to ensure the proper management of data.

2   **65%** have necessary data analytics, strategic thinking, and problem-solving skills.

3   **65%** have a system that integrates data across city departments.

4   **55%** ensure that there is the appropriate budget for data management.

5   **50%** have an open approach to encourage data usage and development.

Q21 and 21a: Which of the following statements on data management do you agree with? Which of the following areas are covered in your data management policy? Q23: Please tell as your city's maturity stage (maturing or leading) in the following areas.