



Charlotte-Mecklenburg Schools NAEP Results Summary 2022

Media Briefing
October 25, 2022

What is NAEP?

- The National Assessment of Educational Progress (NAEP) is the largest continuing and nationally-representative assessment of what our nation's students know and can do in core subjects.
- The assessment is designed to produce national and state results, as well as district-level results for select urban districts. These results:
 - Are for populations of students, not for individual students or schools.
 - Measure student performance nationally and report changes over time.
 - Allow comparisons between states and the nation.
- Nationwide participation for the 2022 administration of NAEP included:
 - 224,000 fourth graders from 5,700 schools
 - 222,600 eighth graders from 5,100 schools

What is a TUDA district?

- NAEP's Trial Urban District Assessment (TUDA) allows for multi-year study of district-level NAEP data in select large, urban public school districts with diverse student populations.
- CMS has participated in NAEP as a TUDA district since 2003.
- All assessments are taken online. As a reminder, 2017 was the first year in which NAEP results were based solely on digitally-based assessments (DBA). Prior to this, assessment results were from paper-based administrations.

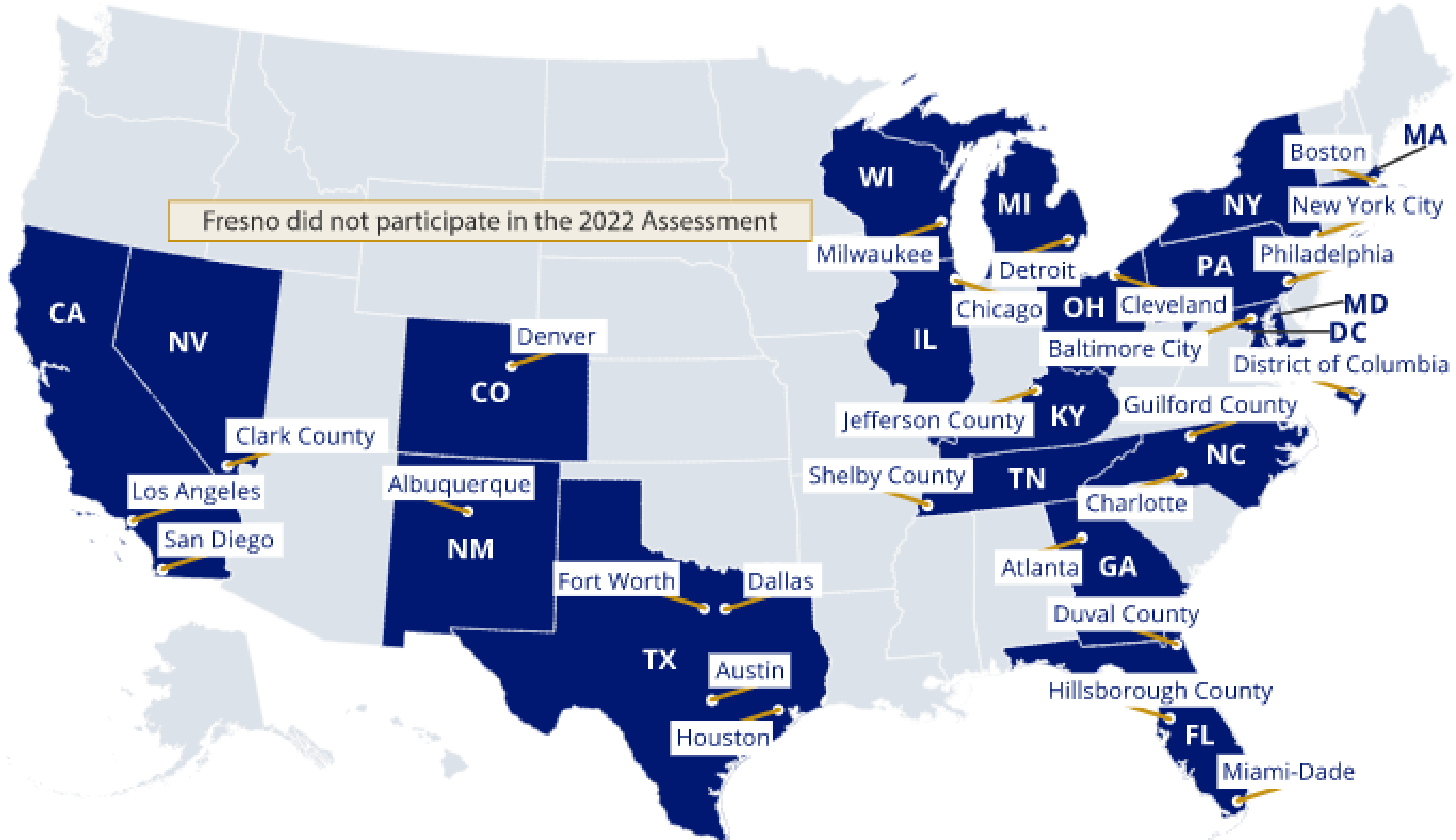
Which districts participate in TUDA?

The 26 TUDA districts are:

- Albuquerque
- Atlanta
- Austin (TX)
- Baltimore City
- Boston
- Charlotte-Mecklenburg
- Chicago
- Clark County (NV)
- Cleveland
- Dallas
- Denver
- Detroit
- District of Columbia
- Duvall County (Florida)
- Fort Worth
- Fresno*
- Guilford County (North Carolina)
- Hillsborough County (Florida)
- Houston Independent (Texas)
- Jefferson County (Kentucky)
- Los Angeles
- Miami-Dade
- Milwaukee
- New York City
- Philadelphia
- San Diego Unified
- Shelby County (TN)

*Did not participate in 2022

Which districts participate in TUDA?



Scale Scores and Achievement Levels

- **NAEP Scale Scores** are reported as average scores on a 0 – 500 scale. Students receive a scale score for each content area within a subject, and these student-level scores are aggregated for comparisons across student groups, districts, states, and the nation.
- **NAEP Achievement Levels** are performance standards used to describe what students should be able to do. They are set using a broadly representative panel of teachers, education specialists, and members of the general public.
- For ease of interpretation, we are reporting only on NAEP Achievement Levels, specifically the percentage of students who are *at or above proficient*.

Scale Scores and Achievement Levels

NAEP Grades 4 and 8

Achievement Level	Reading		Math		Achievement Level Descriptor
	Scale Score Minimum Grade 4	Scale Score Minimum Grade 8	Scale Score Minimum Grade 4	Scale Score Minimum Grade 8	
NAEP Basic	208	243	214	262	Denotes partial mastery of prerequisite knowledge and skills that are fundamental for performance at the NAEP Proficient level.
NAEP Proficient	238	281	249	299	Represents solid academic performance for each NAEP assessment.
NAEP Advanced	268	323	282	333	Denotes superior performance beyond NAEP Proficient level.

NAEP achievement levels are cumulative; therefore, students performing at the NAEP Proficient level also display the competencies associated with the NAEP Basic level, and students at the NAEP Advanced level demonstrate the competencies associated with both the NAEP Basic and NAEP Proficient levels.

National Picture

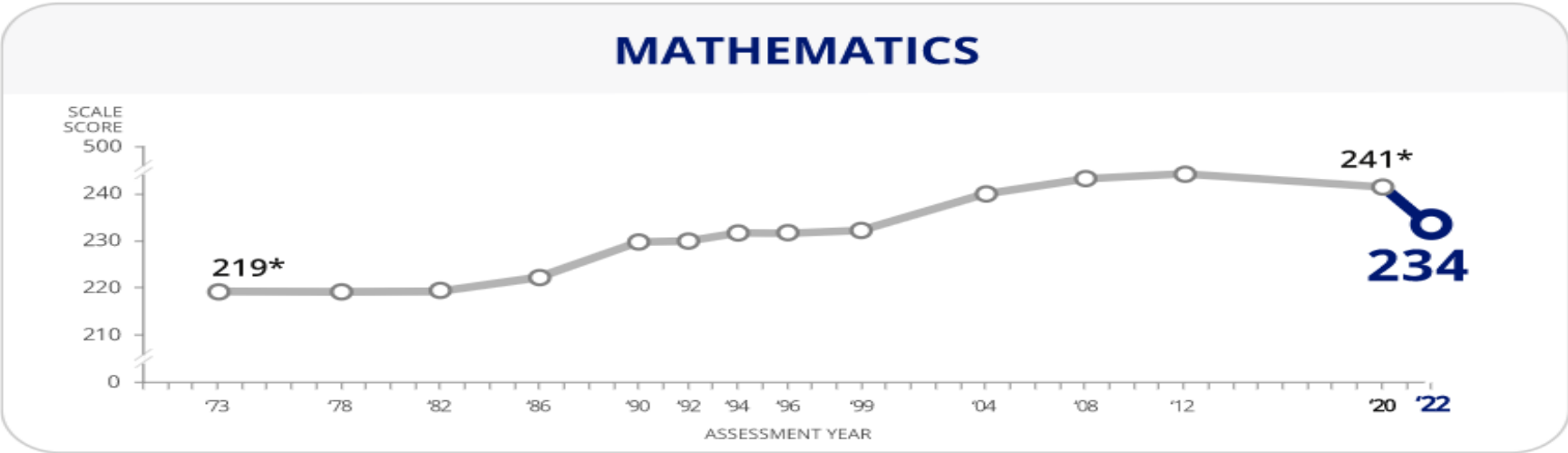
National Picture – NAEP Long Term Trend Assessment



Score change between 2020 and 2022

5

Largest score drop in reading since 1990



Score change between 2020 and 2022

7

First ever score drop in mathematics

* Significantly different ($p < .05$) from 2022.

National Picture – NAEP Results

- In 2022, nearly all jurisdictions demonstrated declines in the percentage of students at or above proficient compared to 2019 in reading.
- “There were no improvements in mathematics in any state or large urban district, and eighth-grade mathematics scores declined in 51 participating states and jurisdictions since the assessment was last given in 2019.”

“The results show the profound toll on student learning during the pandemic, as the size and scope of the declines are the largest ever in mathematics...The results also underscore the importance of instruction and the role of schools in both students’ academic growth and their overall wellbeing. It’s clear we all need to come together—policymakers and community leaders at every level—as partners in helping our educators, children, and families succeed.”

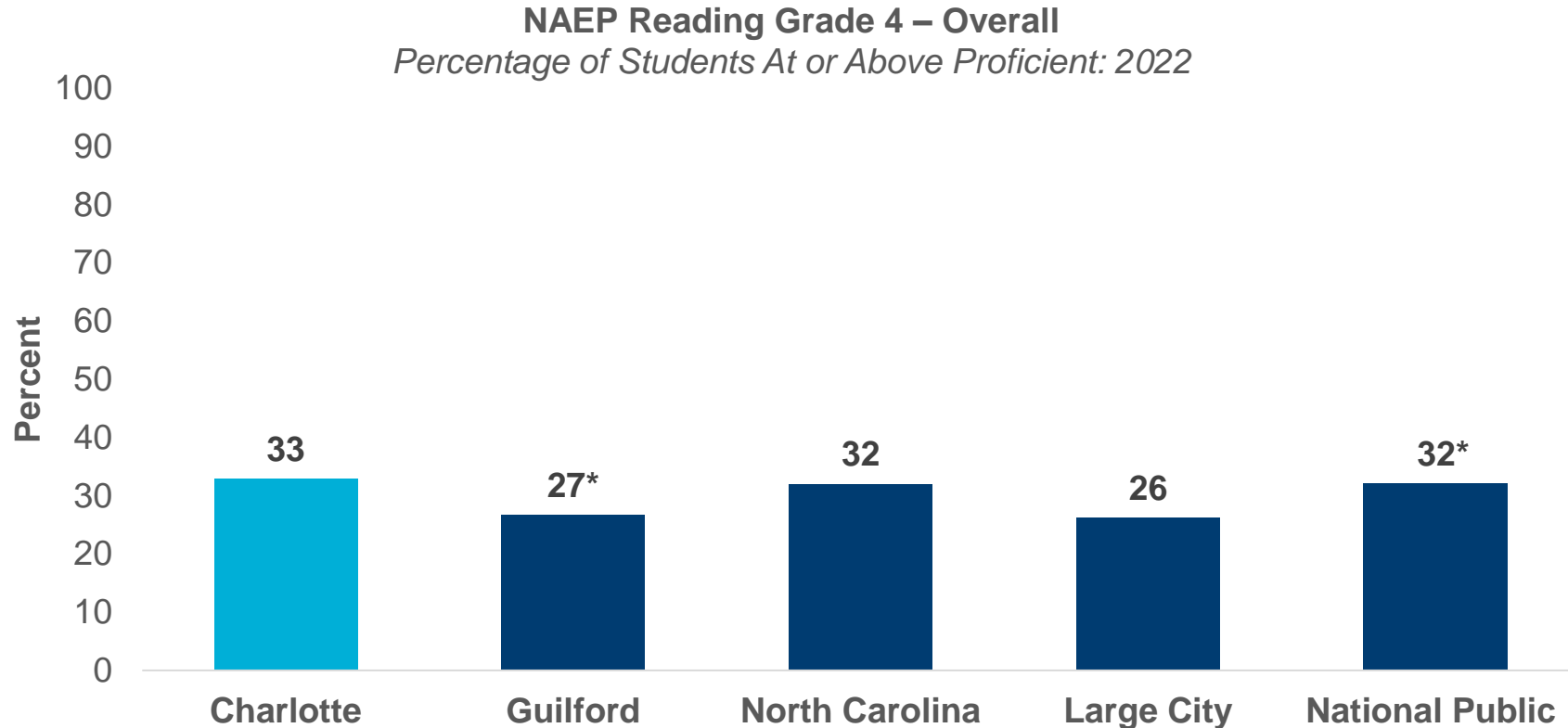
Peggy G. Carr, Commissioner, National Center for Educational Statistics

Charlotte- Mecklenburg Schools

NAEP Results Summary

- In 2022, CMS is among the top large urban districts based on the percentage of students at or above proficient. Of the 26 participating TUDA districts, CMS ranks:
 - 5th in Grade 4 Reading
 - 4th in Grade 8 Reading
 - 5th in Grade 4 Mathematics
 - 1st in Grade 8 Mathematics
- There were not statistically significant changes in the percentage at or above NAEP Proficient (increases or decreases) from 2019 to 2022 for CMS Grade 4 or Grade 8 Reading or North Carolina for Grade 4 Reading. In all other areas, the percentage of students at or above NAEP Proficient was significantly lower than 2019 for CMS and North Carolina.

CMS outperforms NC, large cities, and national public schools in Grade 4 Reading



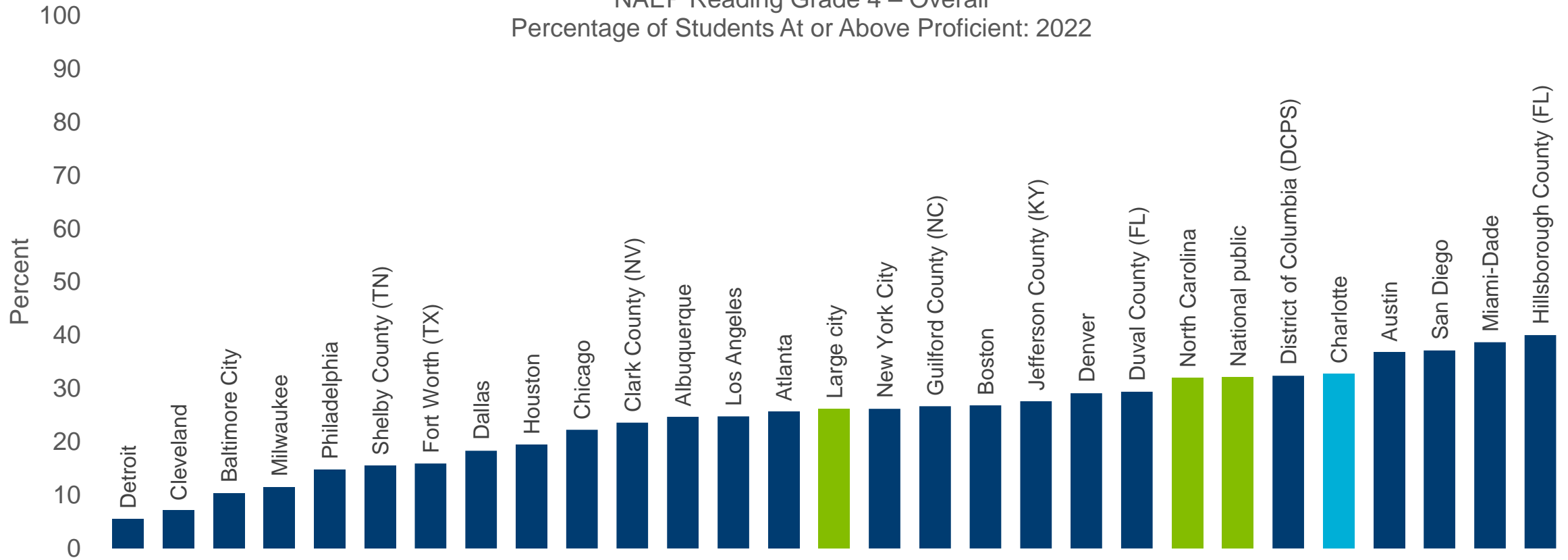
* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

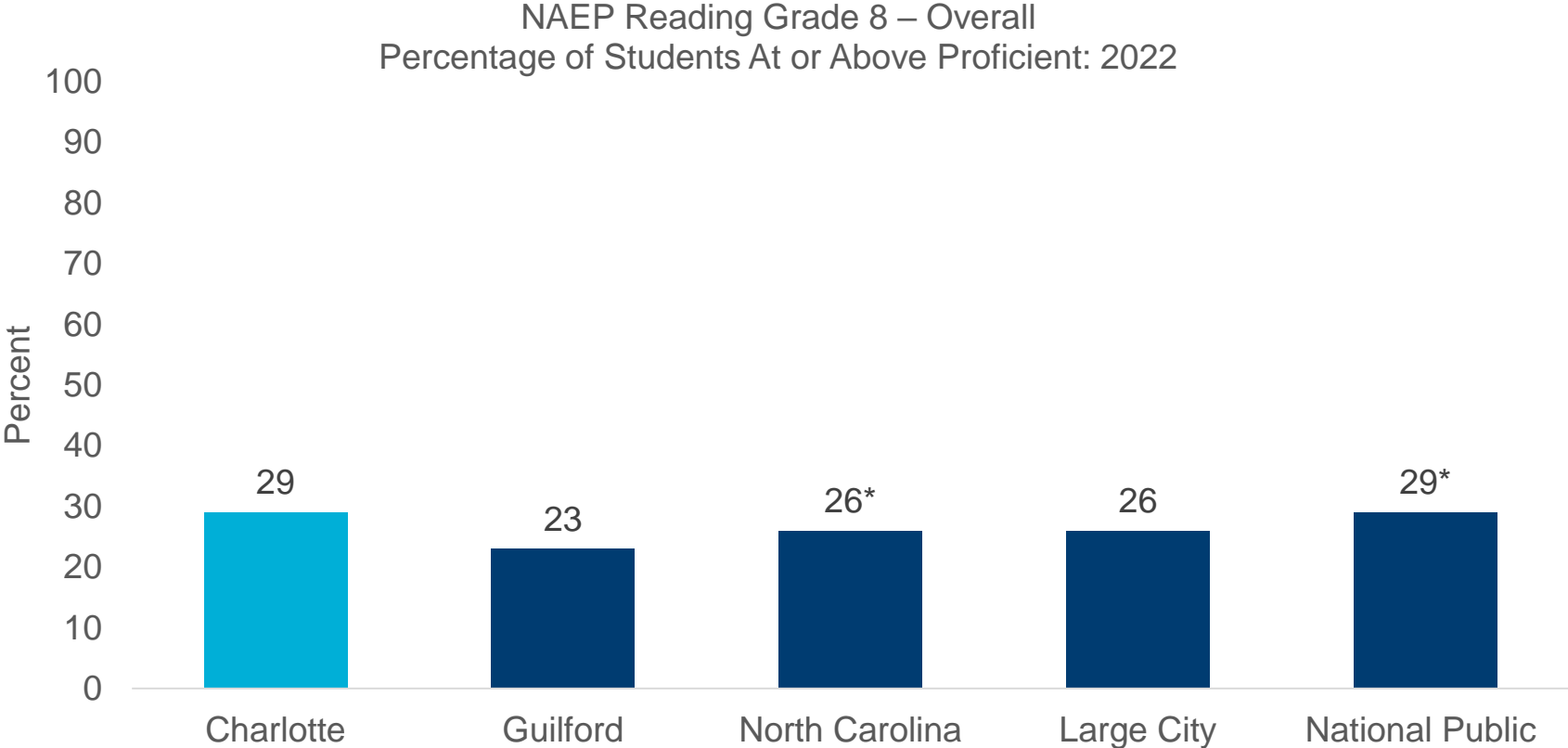
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

CMS ranks 5th among large urban districts in Grade 4 Reading

NAEP Reading Grade 4 – Overall
Percentage of Students At or Above Proficient: 2022



CMS outperforms NC, large cities, and is on par with national public schools in Grade 8 Reading



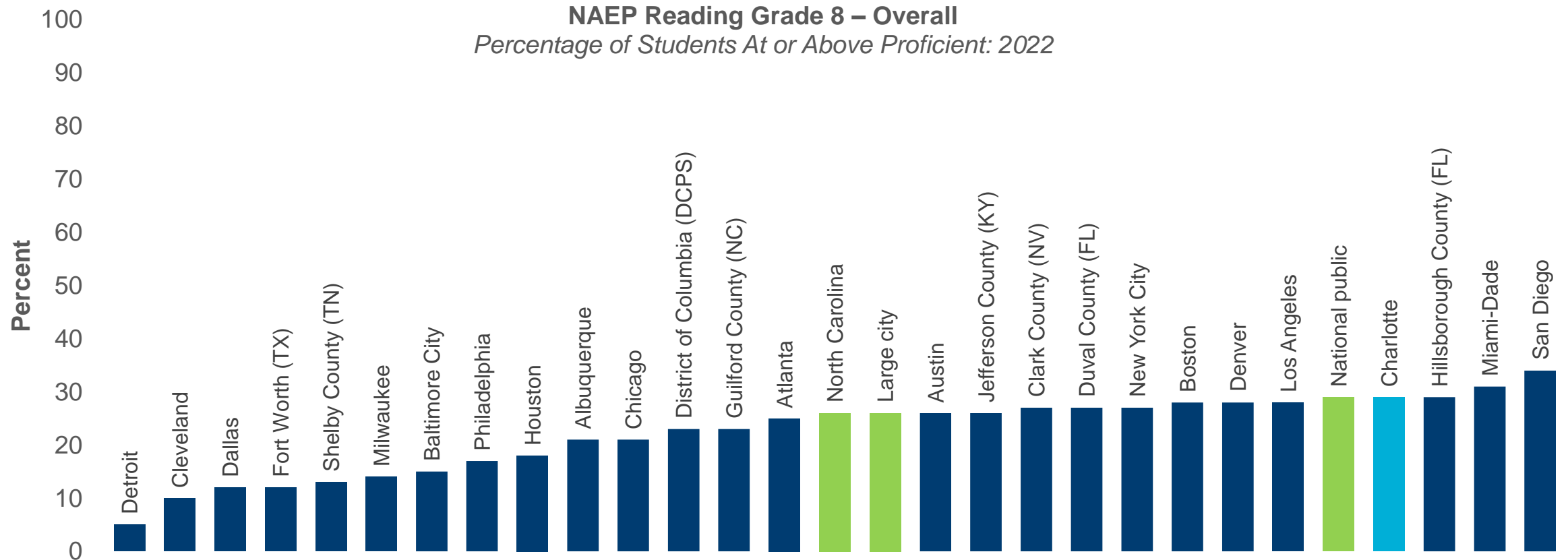
* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

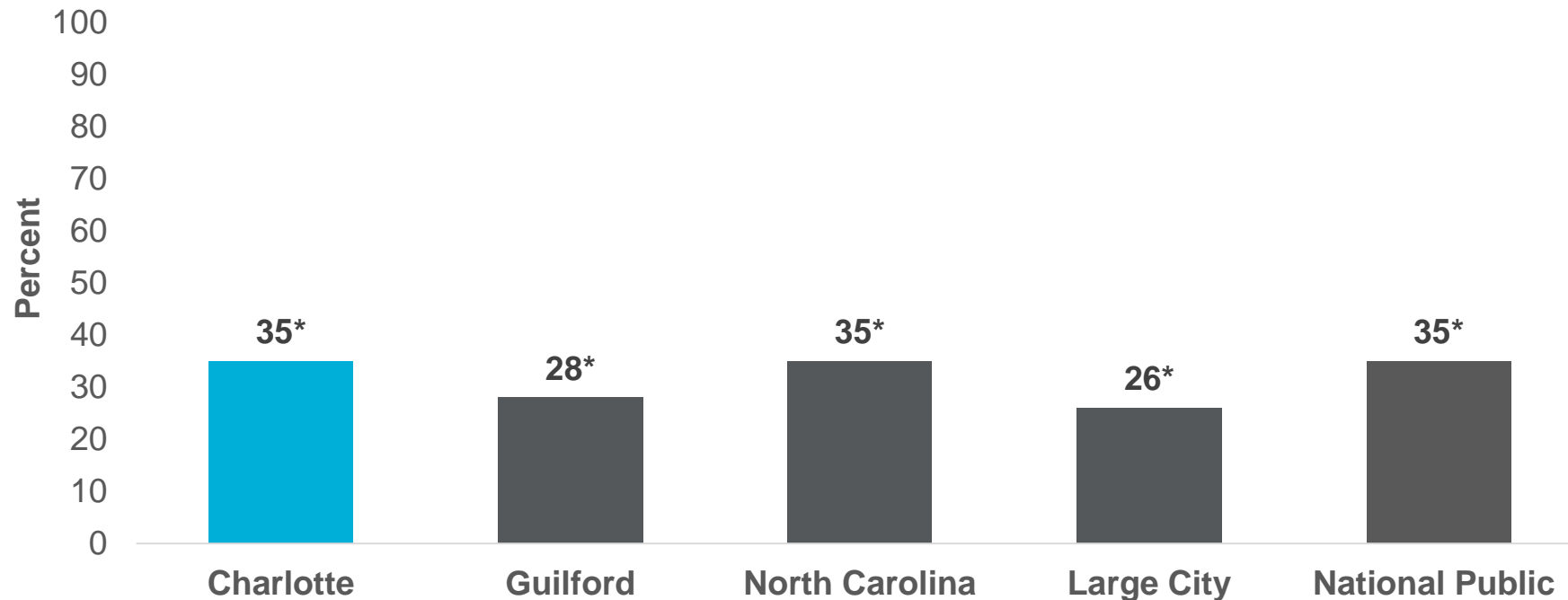


CMS ranks 4th among large urban districts in Grade 8 Reading



CMS outperforms large cities and keeps pace with NC and national public schools in Grade 4 Math

NAEP Mathematics Grade 4 – Overall
Percentage of Students At or Above Proficient: 2022

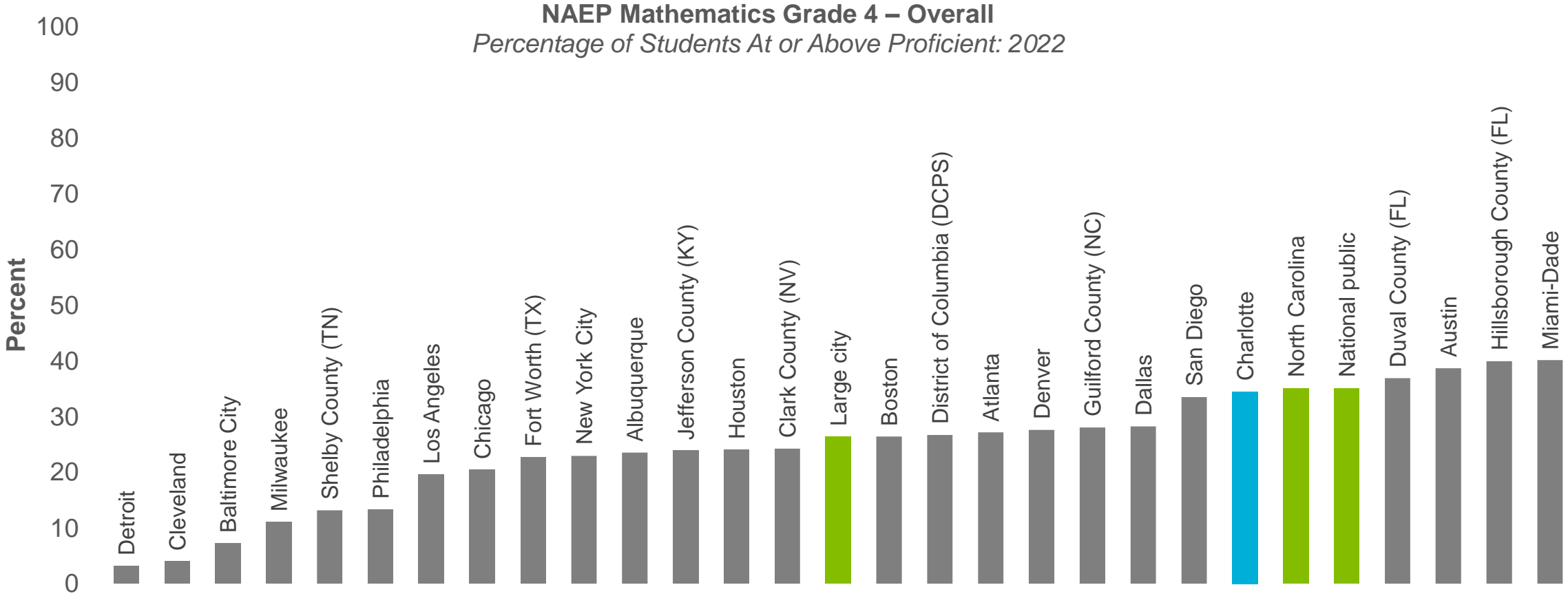


* Value is significantly different from the value for the same jurisdiction in 2019.

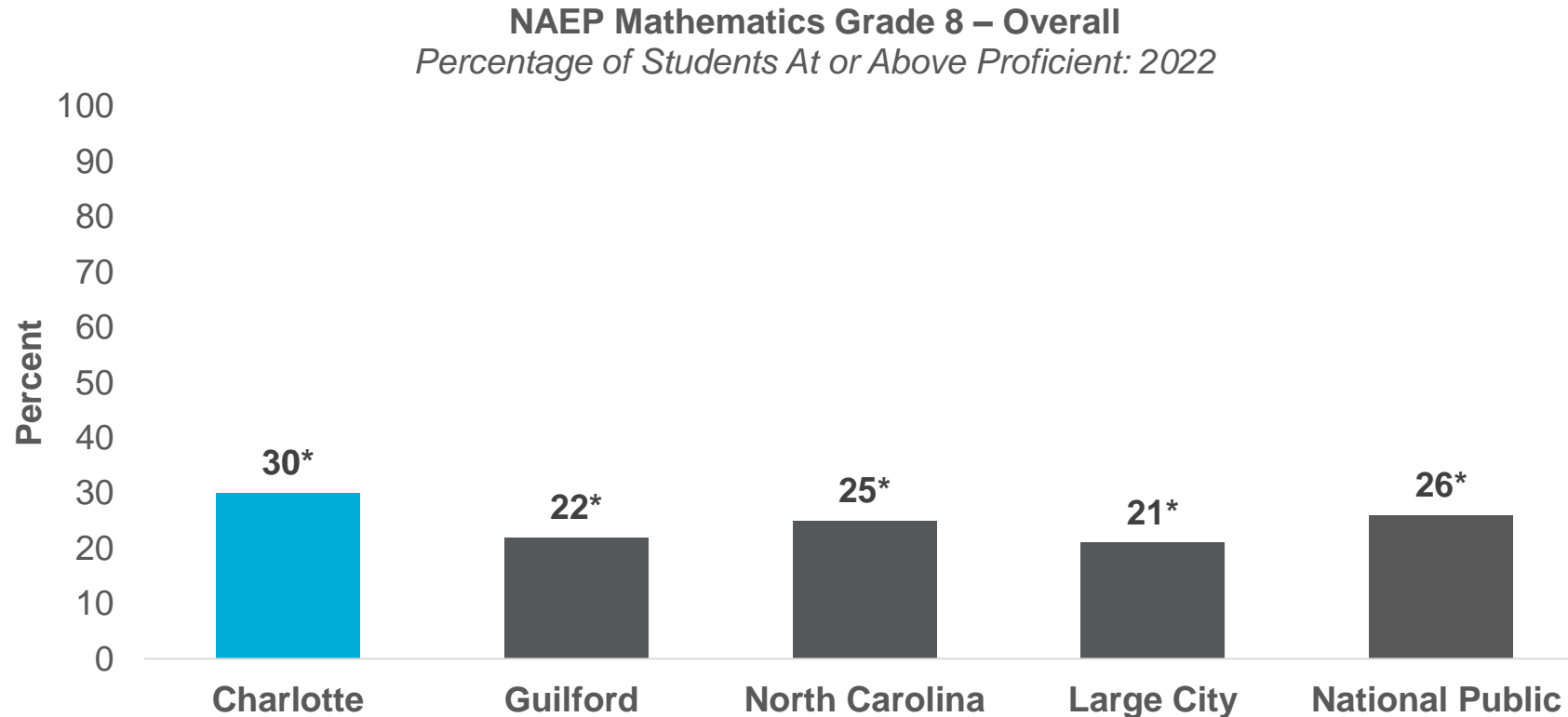
NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

CMS ranks 5th among large urban districts in Grade 4 Math



CMS outperforms NC, large cities, and national public schools in Grade 8 Math

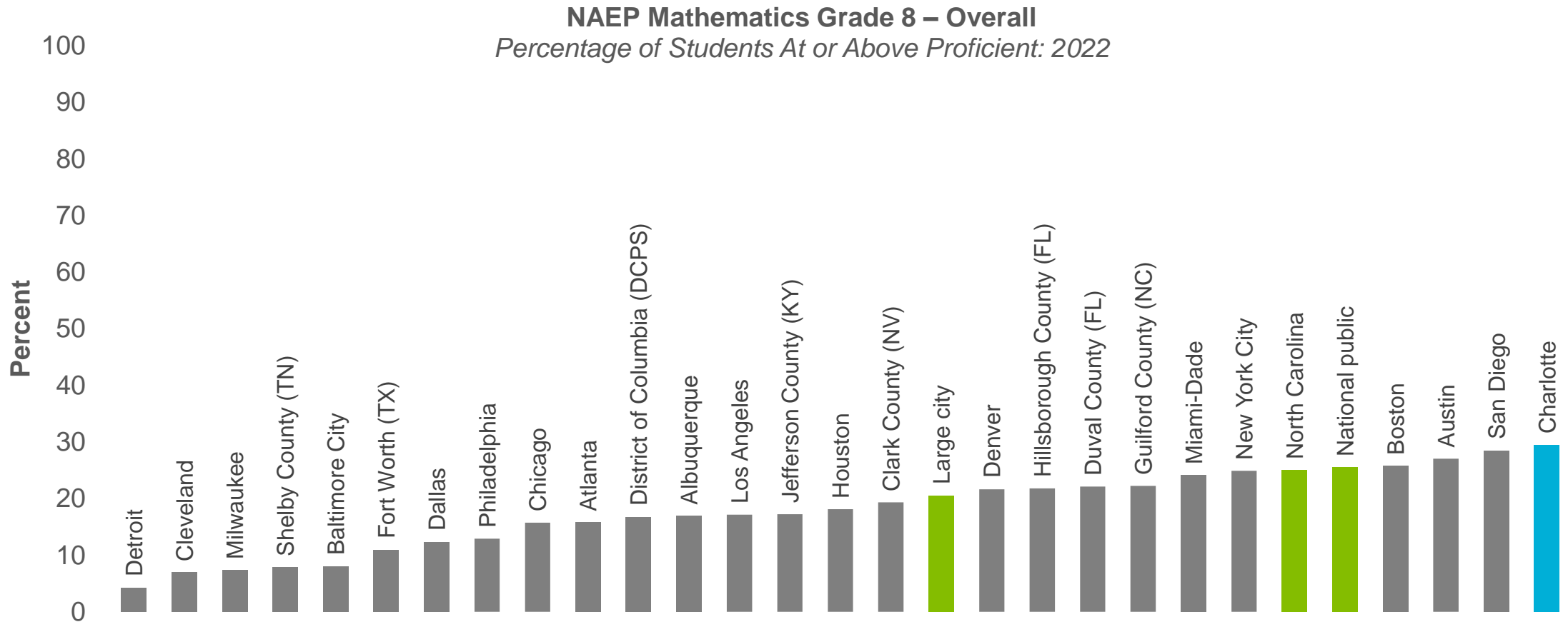


* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

CMS ranks 1st among large urban districts in Grade 8 Math



NAEP Results Summary

Percentage of Students At or Above Proficient in 2022

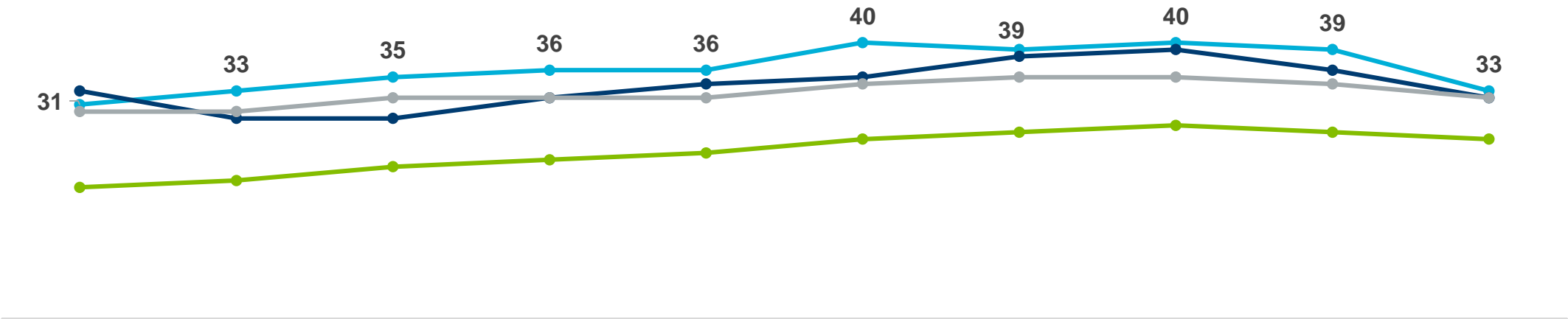
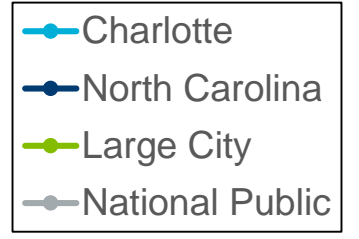
	4 th Reading	8 th Reading	4 th Mathematics	8 th Mathematics
Charlotte-Mecklenburg	33	29	35	30
Guilford	27	23	28	22
North Carolina	32	26	35	25
Large City	26	26	26	21
National Public	32	29	35	26

Proficiency Rates Over Time

NAEP Reading Grade 4 – Overall
Percentage of Students At or Above Proficient: 2011-2022

Percent

100
90
80
70
60
50
40
30
20
10
0



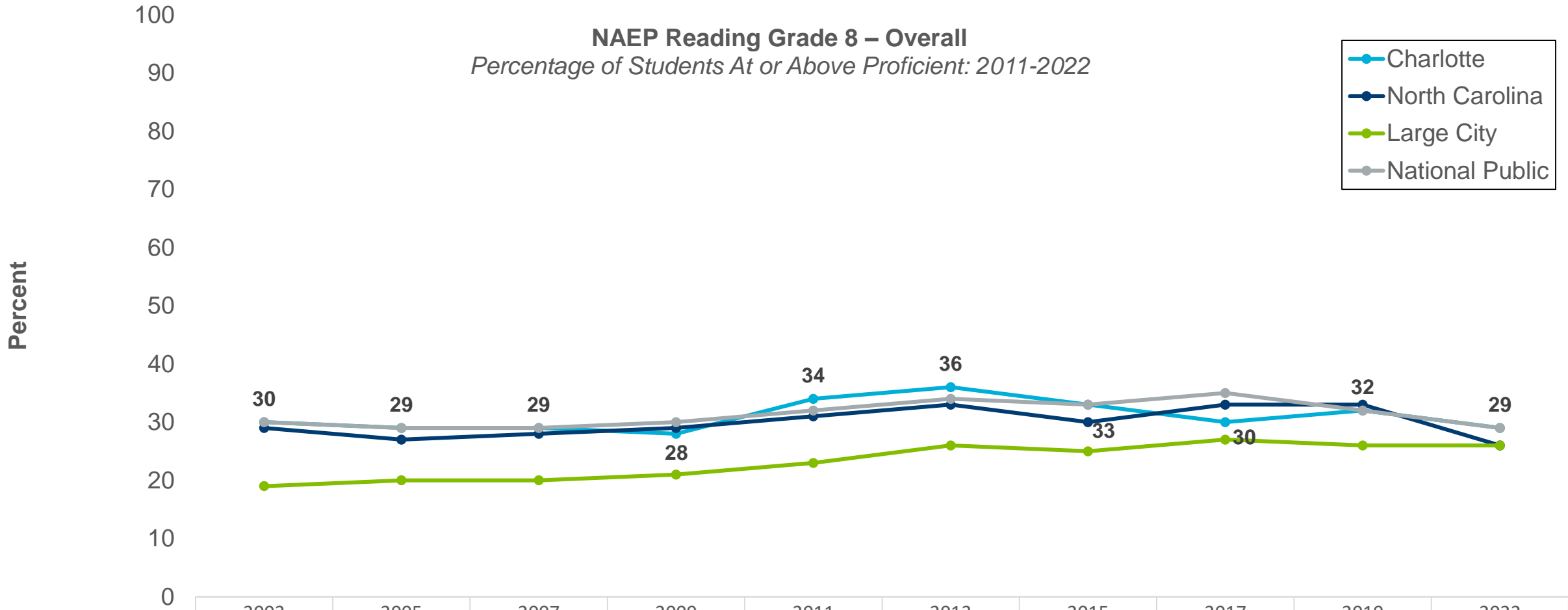
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2022
Charlotte	31	33	35	36	36	40	39	40	39	33
North Carolina	33	29	29	32	34	35	38	39	36	32
Large City	19	20	22	23	24	26	27	28	27	26
National Public	30	30	32	32	32	34	35	35	34	32

NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).



NAEP Reading Grade 8 – Overall
Percentage of Students At or Above Proficient: 2011-2022

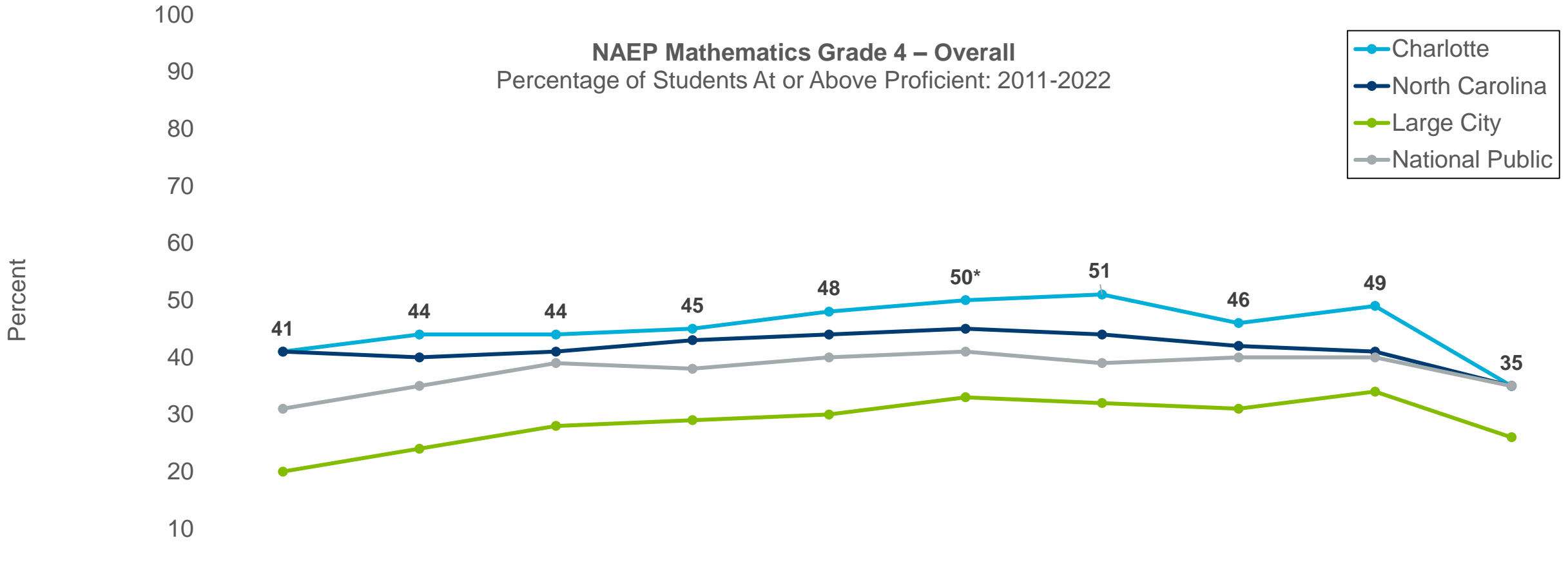


	2003	2005	2007	2009	2011	2013	2015	2017	2019	2022
Charlotte	30	29	29	28	34	36	33	30	32	29
North Carolina	29	27	28	29	31	33	30	33	33	26
Large City	19	20	20	21	23	26	25	27	26	26
National Public	30	29	29	30	32	34	33	35	32	29

NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

NAEP Mathematics Grade 4 – Overall
Percentage of Students At or Above Proficient: 2011-2022



	2003	2005	2007	2009	2011	2013	2015	2017	2019	2022
Charlotte	41	44	44	45	48	50	51	46	49	35
North Carolina	41	40	41	43	44	45	44	42	41	35
Large City	20	24	28	29	30	33	32	31	34	26
National Public	31	35	39	38	40	41	39	40	40	35

* Value is significantly different from the value for the same jurisdiction in 2019.

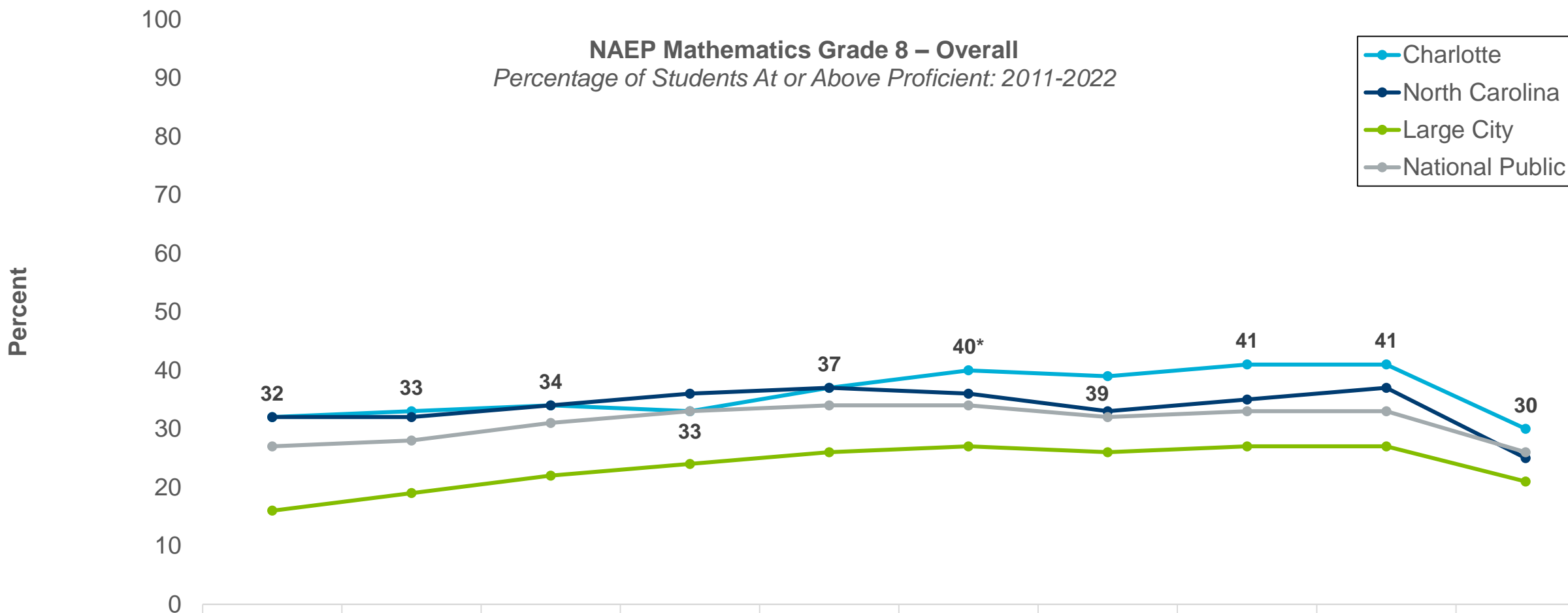
NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).



NAEP Mathematics Grade 8 – Overall

Percentage of Students At or Above Proficient: 2011-2022



	2003	2005	2007	2009	2011	2013	2015	2017	2019	2022
Charlotte	32	33	34	33	37	40*	39	41	41	30
North Carolina	32	32	34	36	37	36	33	35	37	25
Large City	16	19	22	24	26	27	26	27	27	21
National Public	27	28	31	33	34	34	32	33	33	26

* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

Our Recovery Efforts

CMS Recovery Efforts

We are working intentionally and intensely to accelerate students' academic recovery. Specific steps being taken include, but are not limited to:

- Monitoring of student progress and academic need in reading and mathematics foundational skills three times year (Fall, Winter, Spring);
- Adjusting daily schedules to ensure access to high quality standards-aligned instruction AND small group instruction based on student needs identified;
- Implementing a Multi-Tiered System of Support (MTSS) to provide students interventions in reading and mathematics as needed on top of any small group instructional support; and
- Providing students additional learning time through after-school academic supports, including tutoring by external partners at targeted schools.

Summary

- On the National Assessment of Educational Progress (NAEP) test, considered the gold standard of tests, CMS is a leader among public school districts, including other large urban school districts.
- Based on the percentage of students at or above proficient, among the 26 participating TUDA districts, CMS ranks:
 - 5th in Grade 4 Reading
 - 4th in Grade 8 Reading
 - 5th in Grade 4 Mathematics
 - 1st in Grade 8 Mathematics
- The percentage of CMS students at or above proficient* continues to exceed the state, large cities, and national public schools in nearly all subjects at grades 4 and 8.

*NAEP achievement levels are NOT equated to grade-level skills.