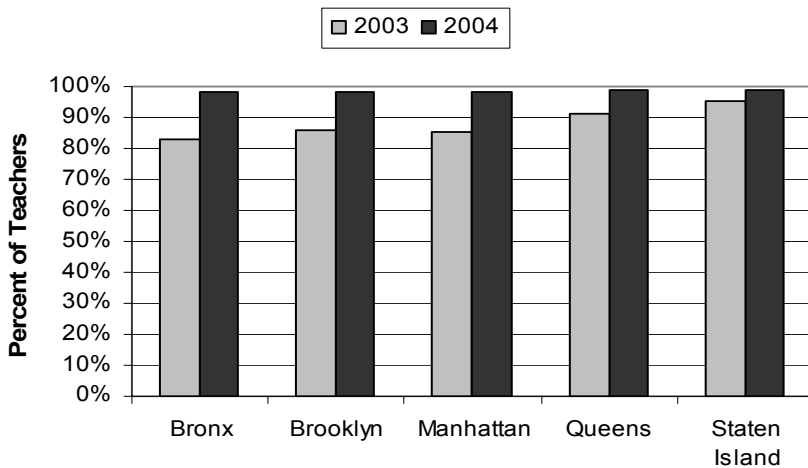


Chapter 15. Education

Chart 15-1 Elementary and Middle School Teachers Licensed and Permanently Assigned, 2003 and 2004



Source: NYC Department of Education

Education data in this chapter come from the New York City Department of Education. The Department of Education compiles a variety of data regarding the public school system, such as elementary and middle school student performance and teachers' credentials. As in the previous editions, this chapter presents the education data for each community school district as well as cumulative data for the five boroughs and New York City. Additionally, we also present these data for the ten school regions which were created in

2003 and which took over some of the administrative functions of the districts (see New York City Neighborhoods - Definitions and Maps section for definitions of community school districts and school regions).

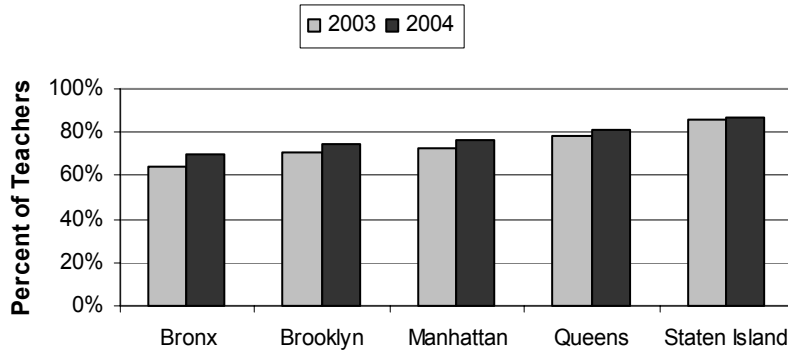
According to 2004 data from the New York City Department of Education, 98.5% of teachers in public elementary and middle schools were licensed and permanently assigned. This represents an increase of 11.5 percentage points compared to 2003. This substantial increase is due in large part to efforts to meet requirements set by the State Board of Regents. In 1999 the Regents set a 2003 deadline for 100% certification of New York teachers, a deadline which was extended to 2005.

**Borough Table 15-1
Elementary and Middle School Teachers' Credentials, 2003 and 2004**

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Total
Percent of Teachers Licensed and Permanently Assigned						
2003	82.9%	85.8%	85.5%	91.2%	95.6%	87.0%
2004	98.4%	98.4%	98.5%	98.9%	99.0%	98.5%
Percentage point change	15.5	12.5	12.9	7.7	3.4	11.5
Percent of Teachers with Master's Degrees						
2003	64.6%	70.4%	72.3%	78.6%	85.5%	72.2%
2004	69.5%	74.3%	76.3%	81.2%	87.0%	76.0%
Percentage point change	4.8	3.9	4.0	2.6	1.5	3.8

Source: NYC Department of Education

Chart 15-2 Elementary and Middle School Teachers with Master's Degrees, 2003 and 2004



Source: NYC Department of Education

Exhibit 15-1 Highest and Lowest Percent of Teachers with Master's Degrees, 2004

Highest:

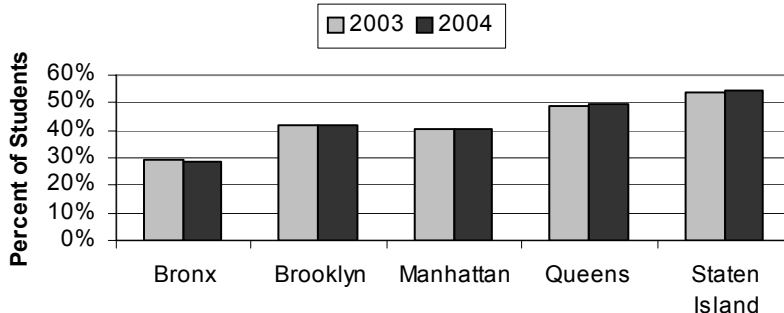
Queens	District 26 (Bayside/Little Neck)	87.0%
Staten Island	District 31 (Staten Island*)	87.0%
Queens	District 25 (Flushing/Whitestone)	86.1%
Manhattan	District 2 (Greenwich Village; Chelsea/Clinton/Midtown; Stuyvesant Town/Turtle-Bay; Upper East Side)	84.4%
Manhattan	District 1 (Lower East Side/Chinatown)	83.4%

Lowest:

Brooklyn	District 23 (Brownsville/Ocean Hill)	63.1%
Bronx	District 7 (Mott Haven/Hunts Point; Highbridge/South Concourse)	66.6%
Bronx	District 9 (Highbridge/South Concourse; University Heights/Fordham)	66.8%
Brooklyn	District 32 (Bushwick)	67.6%
Bronx	District 10 (Riverdale/Kingsbridge; Williamsbridge/Baychester; Kingsbridge Heights/Mosholu)	68.0%

Source: NYC Department of Education *District 31 encompasses all of Staten Island

Chart 15-3 Elementary and Middle School Students Meeting State and City English Standards, 2003 and 2004



Source: NYC Department of Education

At the borough level, 98.4% of teachers in both Brooklyn and the Bronx were licensed and permanently assigned, as were 98.5% in Manhattan, 98.9% in Queens and 99.0% in Staten Island (Borough Table 15-1). There was also little variation in the rate of licensed and permanently assigned teachers across school districts, running only from 97.1% to 99.6%.

Another measure of educational quality is the educational attainment of teachers. In 2004, 76.0% of the teachers in New York City public elementary and middle schools had Master's degrees. Among boroughs, the percentage of teachers with Master's degrees was highest in Staten Island (87.0%) and lowest in the Bronx (69.5%) (Borough Table 15-1).

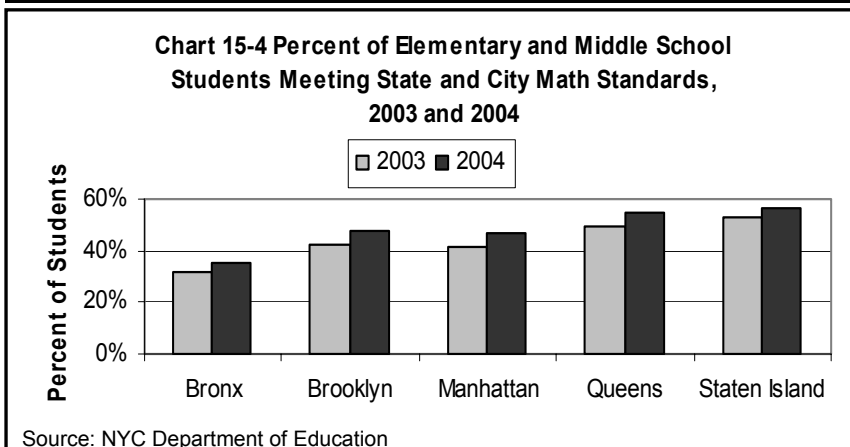
At the School District level, the greatest percentage of teachers with Master's degrees was in District 26 in Queens and District 31 in Staten Island, both with 87.0%, District 25 in Queens (86.1%), and Districts 2 and 1 in Manhattan (84.4% and 83.4%, respectively). The lowest percentages were in School District 23 in Brooklyn (63.1%), Districts 7 and 9 in the Bronx (66.6% and 66.8%, respectively), District 32 in Brooklyn (67.6%), and District 10 in the Bronx (68.0%) (Exhibit 15-1). The sub-borough areas that closely correspond to the school district are indicated in parentheses.

In 2004, just over two-fifths of public school students in New York City were performing at or above grade level in English (41.4%), while nearly half did so in math

Borough Table 15-2 Elementary and Middle School Students' Performance, 2003-2004

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Total
Percent of Students Meeting State and City English Standards						
2003	29.0%	42.0%	40.5%	49.1%	54.1%	41.4%
2004	28.5%	41.9%	40.4%	49.7%	54.1%	41.4%
Change	-0.4%	-0.1%	0.0%	0.6%	0.1%	0.0%
Percent of Students Meeting State and City Math Standards						
2003	31.3%	42.6%	41.8%	49.6%	53.0%	42.4%
2004	35.4%	47.2%	47.1%	55.0%	56.7%	47.1%
Change	4.1%	4.6%	5.4%	5.4%	3.7%	4.8%

Source: NYC Department of Education



(47.1%). The highest performance rate was found in Staten Island, where 54.1% of the students performed at or above grade level in English and 56.7% in math. Similarly, about half of students in Queens performed at or above grade level in English (49.7%) and in math (55.0%). However, Manhattan, Brooklyn, and the Bronx all had fewer than half of their students performing at or above grade level in the two subjects. Just over 40% of the students in Brooklyn and Manhattan performed at or above grade level in English, while slightly less than half did so in math (47.2% and 47.1%, respectively). Meanwhile, less than one-third of the students in the Bronx performed at or above grade level in English (28.5%), and just over one-third did so in math (35.4%) (Borough Table 15-2).

At the School District level, the districts with the best performing students in English were by and large also the districts with the best performing students in math. Districts 26 and 25 in Queens

Exhibit 15-2 Highest and Lowest Percent of Students Meeting State and City English Standards, 2004

<u>Highest:</u>		
Queens	District 26 (Bayside/Little Neck)	75.1%
Manhattan	District 2 (Greenwich Village; Chelsea/Clinton/Midtown; Stuyvesant Town/Turtle-Bay; Upper East Side)	69.7%
Queens	District 25 (Flushing/Whitestone)	60.5%
Brooklyn	District 21 (Coney Island; Sheepshead Bay/Gravesend)	56.2%
Brooklyn	District 31 (Staten Island)	54.1%
<u>Lowest:</u>		
Bronx	District 7 (Mott Haven/Hunts Point; Highbridge/South Concourse)	19.8%
Bronx	District 9 (Highbridge/South Concourse; University Heights/Fordham)	23.3%
Manhattan	District 5 (Morningside Heights/Hamilton Heights; Central Harlem)	24.3%
Bronx	District 12 (Morrisania/Belmont)	24.4%
Brooklyn	District 19 (East New York/Starrett City)	28.4%

Source: NYC Department of Education

Exhibit 15-3 Highest and Lowest Percent of Students Meeting State and City Math Standards, 2004

<u>Highest:</u>		
Queens	District 26 (Bayside/Little Neck)	80.2%
Manhattan	District 2 (Greenwich Village; Chelsea/Clinton/Midtown; Stuyvesant Town/Turtle-Bay; Upper East Side)	74.7%
Queens	District 25 (Flushing/Whitestone)	67.6%
Brooklyn	District 21 (Coney Island; Sheepshead Bay/Gravesend)	61.0%
Brooklyn	District 20 (Bay Ridge; Bensonhurst; Borough Park)	60.3%
<u>Lowest:</u>		
Bronx	District 7 (Mott Haven/Hunts Point; Highbridge/South Concourse)	26.7%
Bronx	District 9 (Highbridge/South Concourse; University Heights/Fordham)	29.7%
Manhattan	District 5 (Morningside Heights/Hamilton Heights; Central Harlem)	31.7%
Bronx	District 12 (Morrisania/Belmont)	33.3%
Brooklyn	District 16 (Bedford Stuyvesant)	34.4%
Source: NYC Department of Education		

had some of the highest percentages of students performing at or above grade level in English and math. Manhattan's District 2 and Brooklyn's District 21 also fell into the top five performing sub-borough areas for both subjects. These four school districts had between 56.2% and 75.1% of students performing at or above grade level in English, and between 61.0% and 80.2% performing at or above grade level in math. Staten Island's District 31 was another high performing school district for English (54.1% of students), while Brooklyn's District 20 was

high performing in math (60.3% of students) (Exhibits 15-2 and 15-3).

Similarly, at the other end of the spectrum, for the most part the school districts with the lowest student performance in English were also the districts with the lowest student performance in math. School Districts 7, 9 and 12 in the Bronx, as well as Manhattan's District 5, all had the lowest percentages of students performing at or above grade level in both English and math. The percentage of students performing at or above grade level in English ranged from 19.8% to 24.4% for these four districts, while the percentage of students performing at or above grade level in math ranged from 26.7% to 33.3% (Exhibits 15-2 and 15-3). Brooklyn's districts 19 and 16 rounded out the lists, with 28.4% in English and 34.4% in math, respectively.

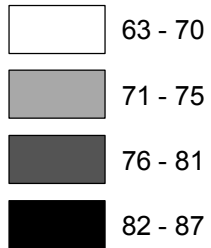
Neighborhood Table 15-1
Percent of Elementary and Middle School Teachers' Credentials,
New York City School Districts and Regions, 2004

Borough	School District	Teachers Licensed and Permanently Assigned	Teachers with Master's Degrees
Bronx	7	98.2%	66.6%
Bronx	8	98.0%	69.4%
Bronx	9	98.4%	66.8%
Bronx	10	98.4%	68.0%
Bronx	11	98.8%	75.7%
Bronx	12	97.9%	69.0%
Brooklyn	13	97.1%	70.1%
Brooklyn	14	99.3%	74.4%
Brooklyn	15	98.6%	78.8%
Brooklyn	16	97.4%	68.1%
Brooklyn	17	97.6%	74.1%
Brooklyn	18	97.7%	75.2%
Brooklyn	19	98.9%	70.3%
Brooklyn	20	99.0%	78.7%
Brooklyn	21	98.7%	81.3%
Brooklyn	22	98.2%	78.0%
Brooklyn	23	97.9%	63.1%
Brooklyn	32	98.6%	67.6%
Manhattan	1	99.5%	83.4%
Manhattan	2	98.9%	84.4%
Manhattan	3	99.0%	80.6%
Manhattan	4	98.7%	71.8%
Manhattan	5	98.3%	69.0%
Manhattan	6	97.5%	71.0%
Queens	24	99.1%	77.3%
Queens	25	99.0%	86.1%
Queens	26	99.6%	87.0%
Queens	27	98.7%	77.8%
Queens	28	98.7%	82.6%
Queens	29	98.5%	79.9%
Queens	30	98.9%	83.4%
Staten Island	31	99.0%	87.0%
Region			
	1	98.4%	67.5%
	2	98.3%	72.2%
	3	98.9%	83.5%
	4	98.9%	77.3%
	5	98.6%	72.5%
	6	97.8%	76.1%
	7	98.9%	82.8%
	8	98.3%	73.7%
	9	98.7%	76.5%
	10	98.1%	73.3%
Total	New York City	98.5%	76.0%

Source: NYC Department of Education

Map 15-1 Percent of Elementary and Middle School Teachers with Master's Degrees, New York City School Districts, 2004

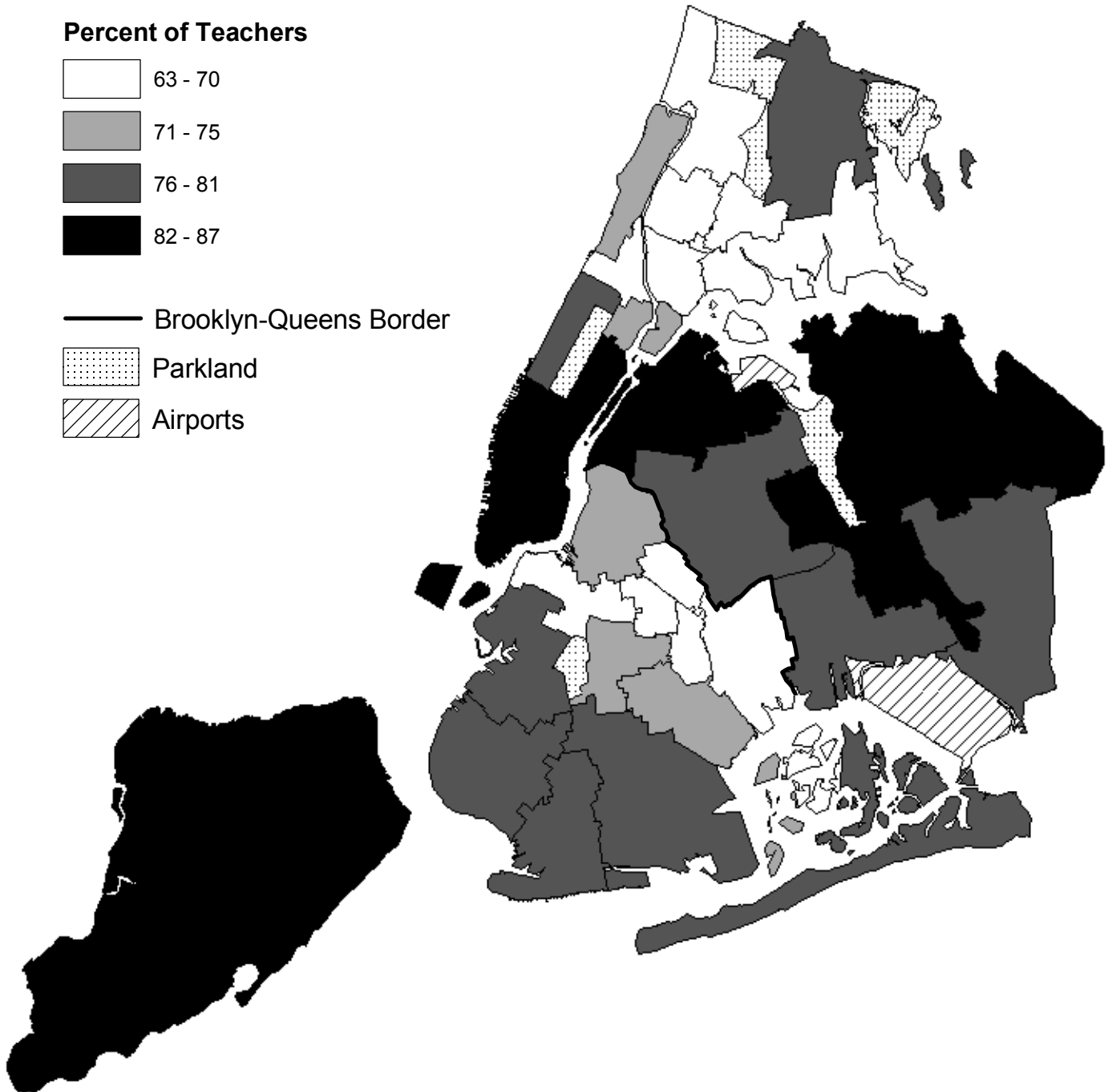
Percent of Teachers



— Brooklyn-Queens Border

▤ Parkland

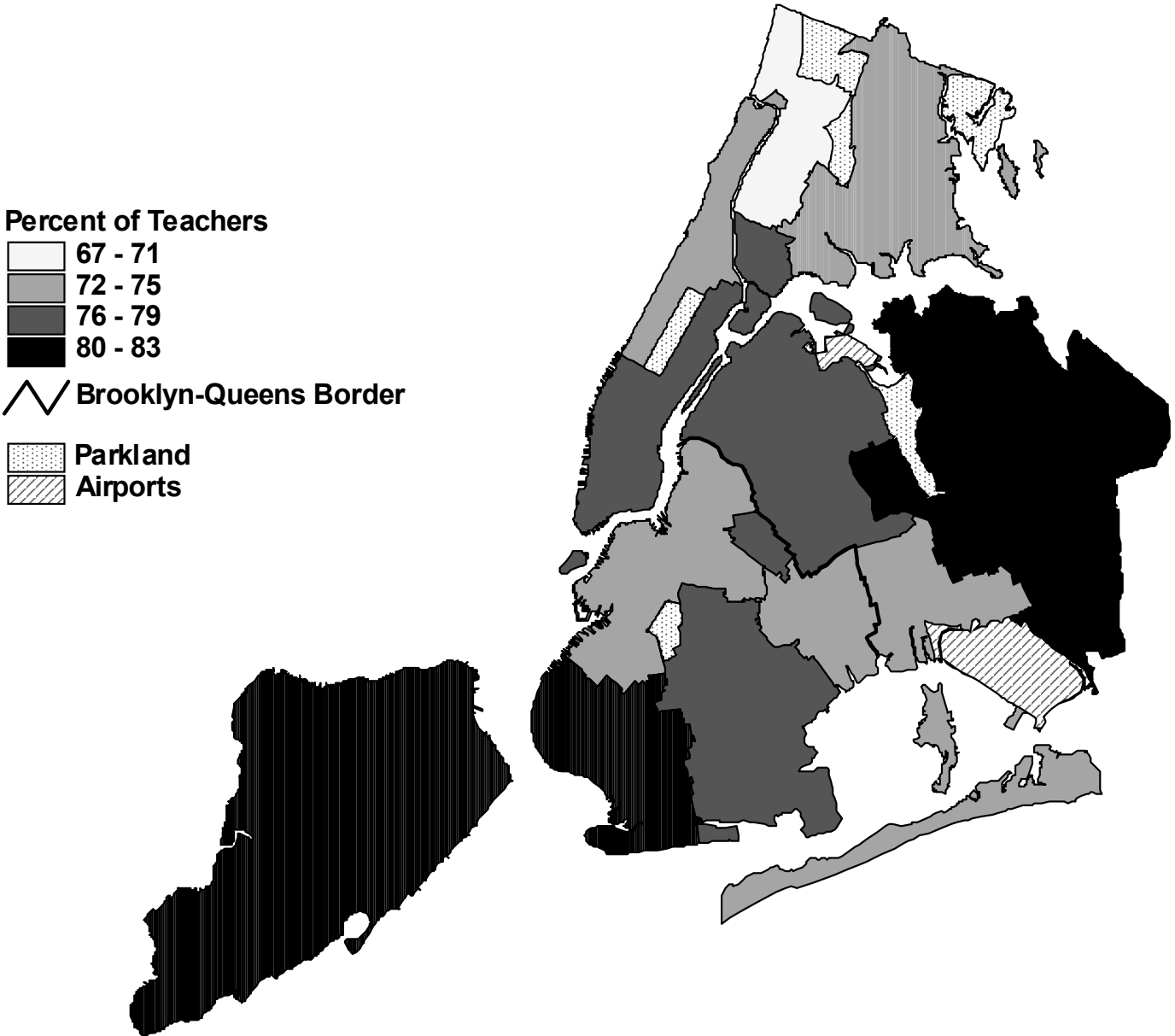
▨ Airports



NYC Department of Education

Map 15-2

Percent of Elementary and Middle School Teachers with Master's Degrees, New York City Regions, 2004



Source: NYC Department of Education

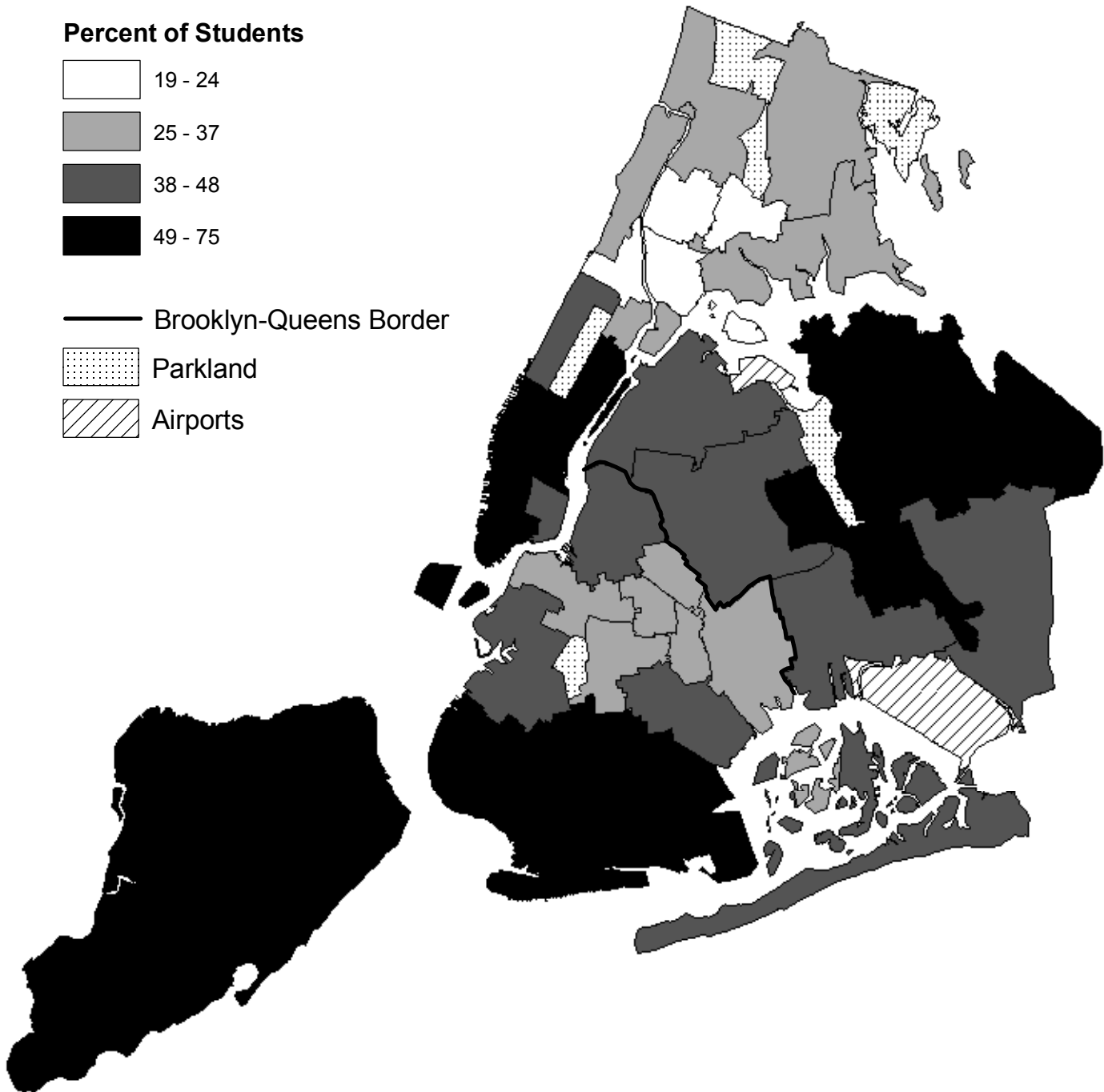
Neighborhood Table 15-2
Percent of Elementary and Middle School Student Performance, New York City School Districts and Regions, 2004

Borough	School District	Percent of Students Meeting State and City English Standards	Percent of Students Meeting State and City Math Standards
Bronx	7	19.8%	26.7%
Bronx	8	31.1%	38.6%
Bronx	9	23.3%	29.7%
Bronx	10	30.6%	36.5%
Bronx	11	35.5%	42.8%
Bronx	12	24.4%	33.3%
Brooklyn	13	35.4%	39.8%
Brooklyn	14	39.7%	45.9%
Brooklyn	15	47.5%	52.2%
Brooklyn	16	30.0%	34.4%
Brooklyn	17	32.9%	34.7%
Brooklyn	18	39.6%	43.2%
Brooklyn	19	28.4%	36.1%
Brooklyn	20	54.1%	60.3%
Brooklyn	21	56.2%	61.0%
Brooklyn	22	51.9%	57.2%
Brooklyn	23	31.1%	37.9%
Brooklyn	32	37.0%	41.8%
Manhattan	1	38.9%	49.1%
Manhattan	2	69.7%	74.7%
Manhattan	3	45.0%	51.4%
Manhattan	4	31.6%	39.0%
Manhattan	5	24.3%	31.7%
Manhattan	6	28.9%	36.8%
Queens	24	46.3%	51.4%
Queens	25	60.5%	67.6%
Queens	26	75.1%	80.2%
Queens	27	39.9%	46.8%
Queens	28	51.7%	57.3%
Queens	29	40.9%	42.9%
Queens	30	48.5%	53.3%
Staten Island	31	54.1%	56.7%
Region			
	1	27.5%	33.6%
	2	31.4%	39.1%
	3	55.1%	60.2%
	4	45.0%	50.1%
	5	34.5%	41.7%
	6	42.0%	45.7%
	7	54.6%	58.9%
	8	39.1%	44.3%
	9	43.1%	49.1%
	10	32.1%	39.2%
Total	New York City	41.4%	47.1%

Source: NYC Department of Education

Map 15-3

Percent of Elementary and Middle School Students Meeting State and City English Standards, New York City School Districts, 2004



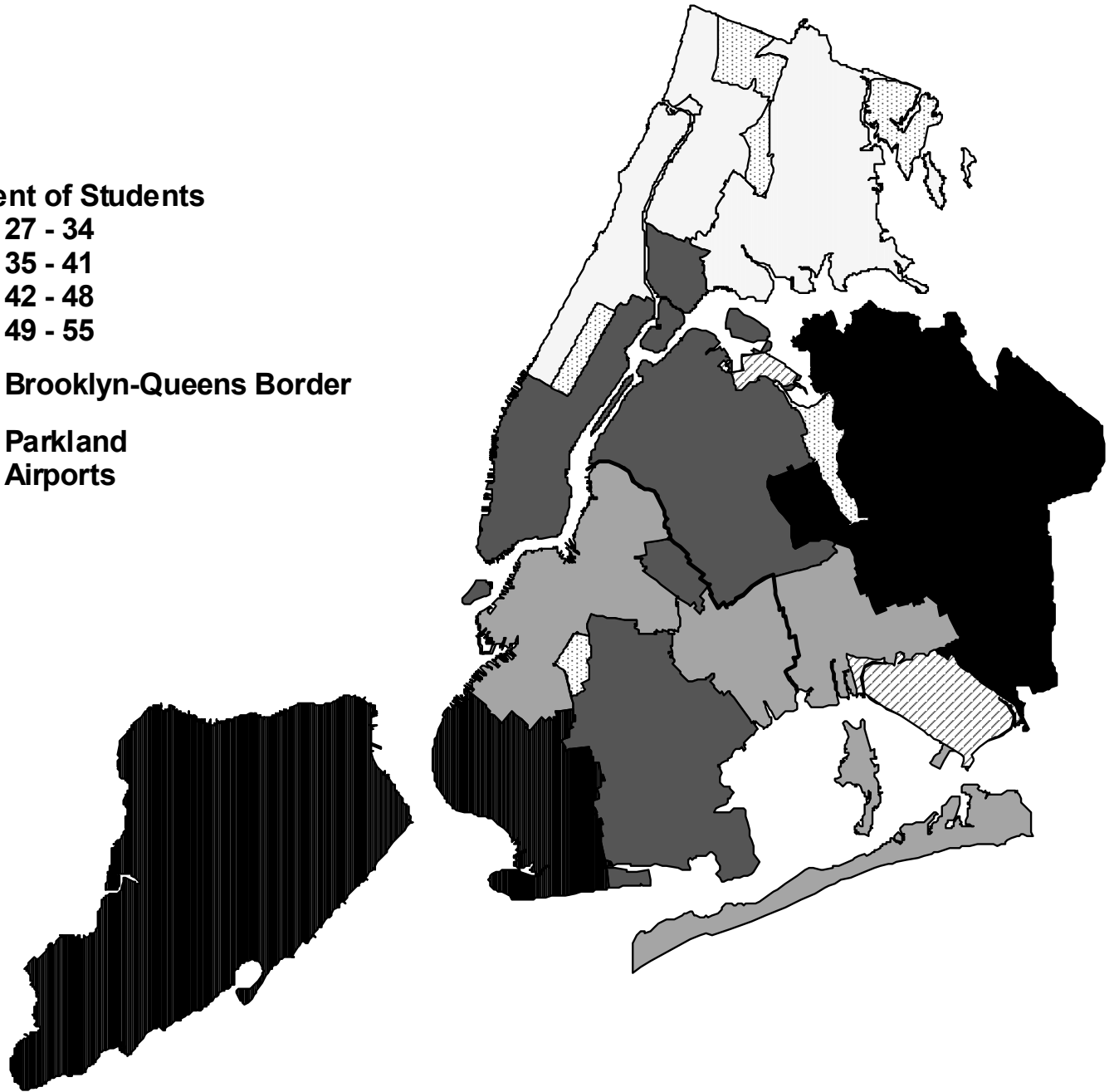
NYC Department of Education

Map 15-4 Percent of Elementary and Middle School Students Meeting State and City English Standards, New York City Regions, 2004

Percent of Students



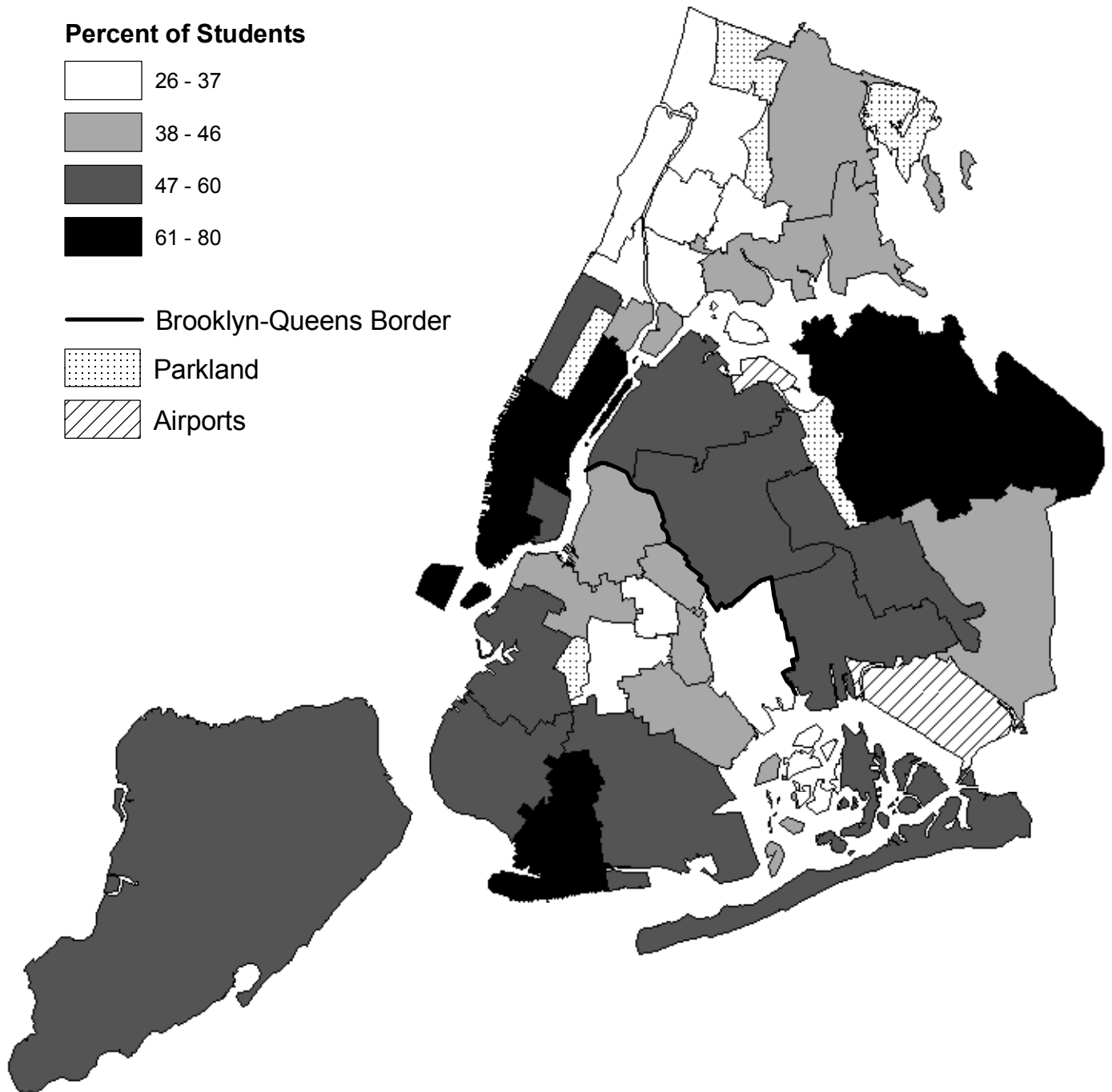
 Brooklyn-Queens Border



NYC Department of Education

Map 15-5

Percent of Elementary and Middle School Students Meeting State and City Math Standards, New York City School Districts, 2004

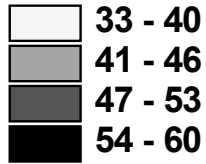


NYC Department of Education

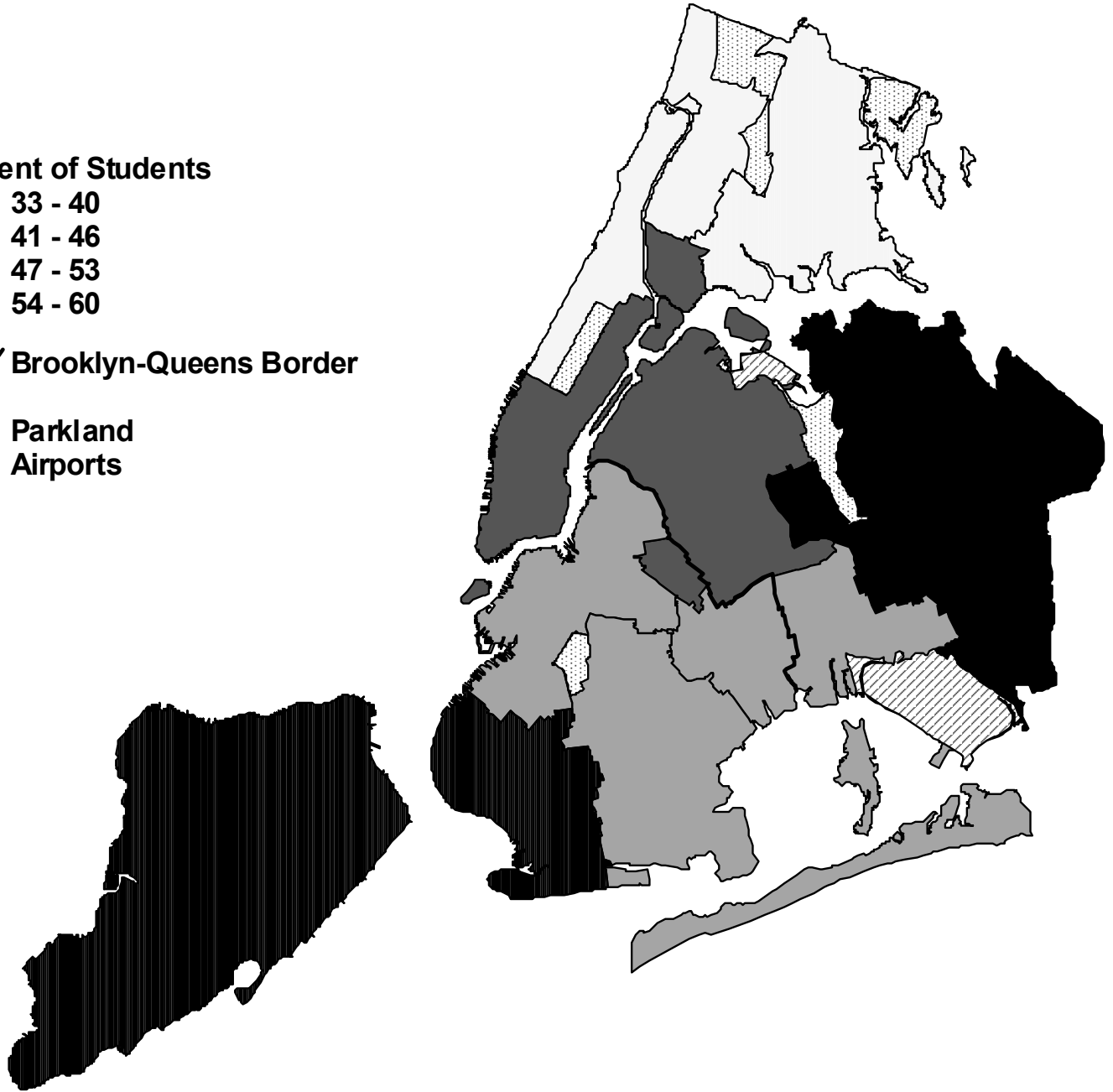
Map 15-6

Percent of Elementary and Middle School Students Meeting State and City Math Standards, New York City Regions, 2004

Percent of Students



Brooklyn-Queens Border



Source: NYC Department of Education