# Exam School Task Force

5.28.21

# Census Tract Tier Versions

At our last meeting, we discussed multiple potential changes to the census tract tiers.
- How many tiers should there be?
  - 4
  - 5
  - 8
- How should tiers be proportionally sized?
  - Based on the number of all school-aged children
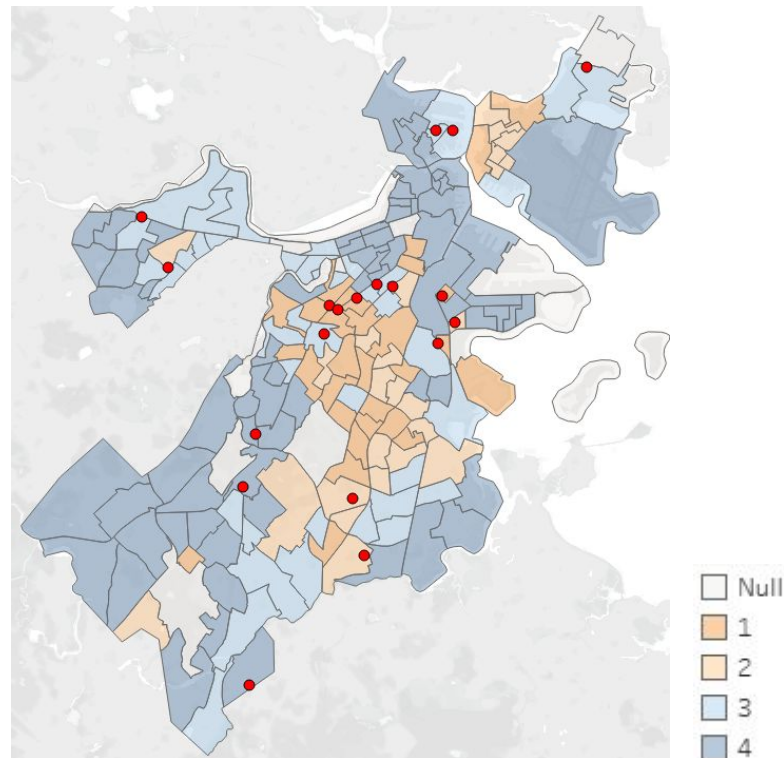  - Based on the number of school-aged children in grades 5-8

The following slides look at the 6 different tier options and the student population living in the different tiers. The student population represented here is the 7th grade SY20-21 exam schools applicant pool.

# Map Comparison: 4 Tiers

Based on all school-aged children
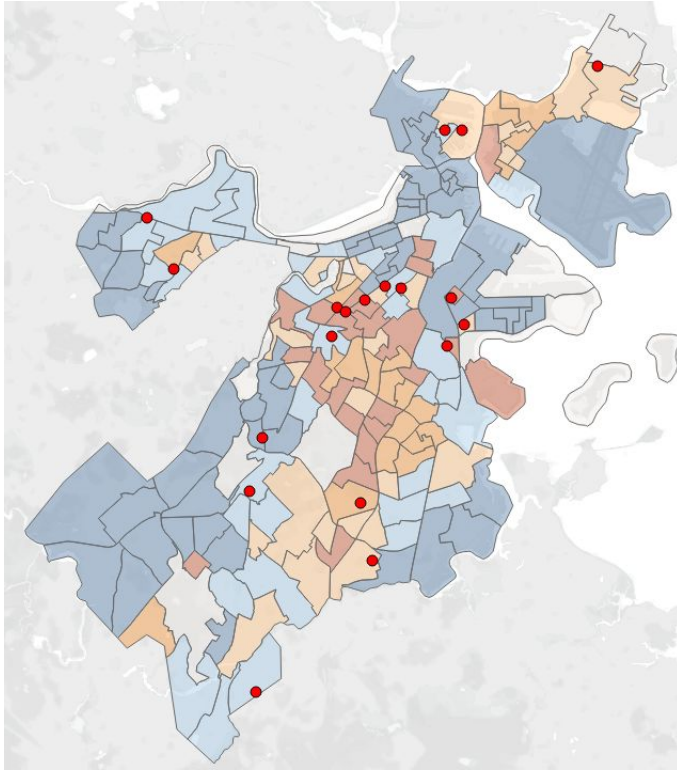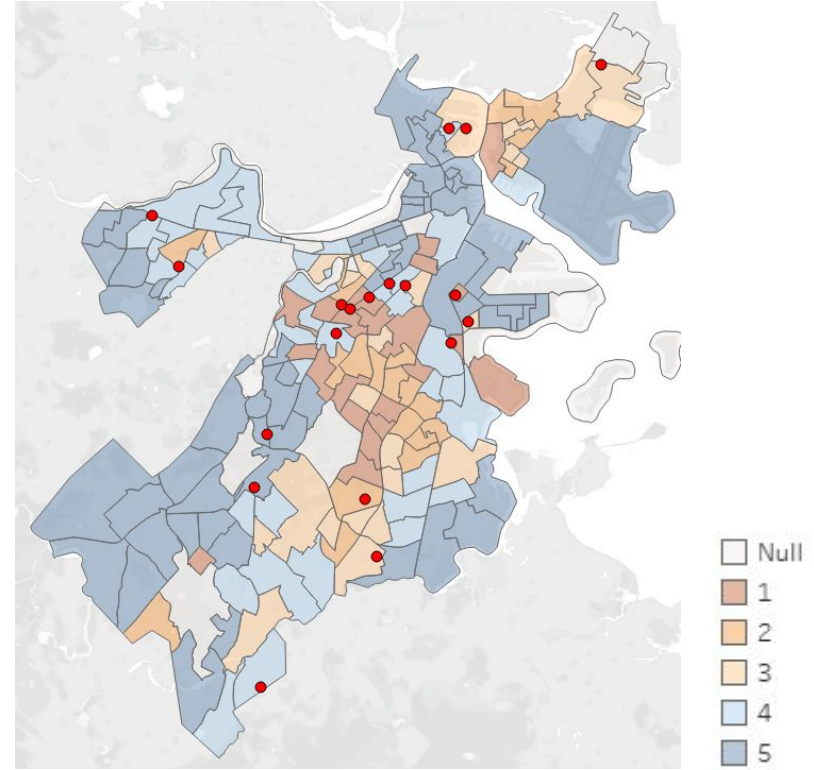
Based on grades 5-8



Null
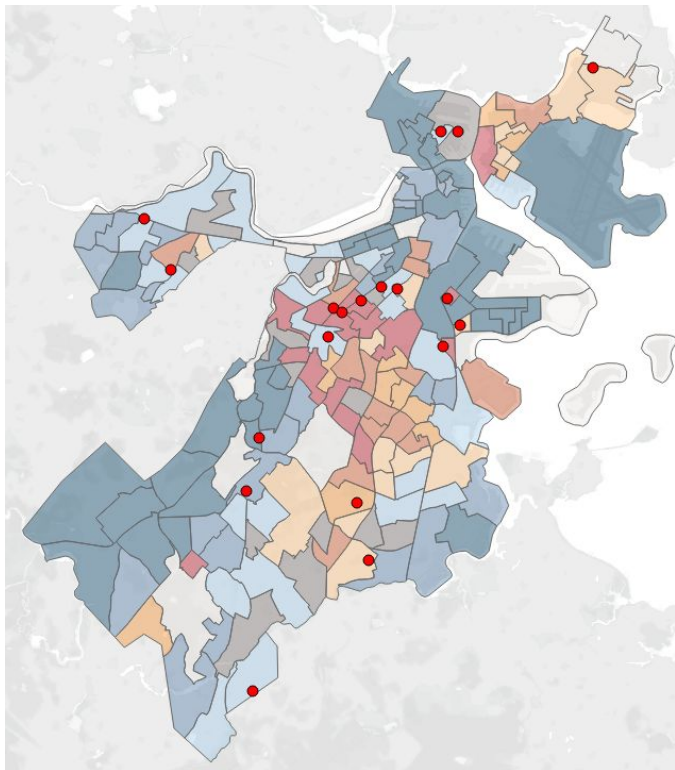1
2
3
4
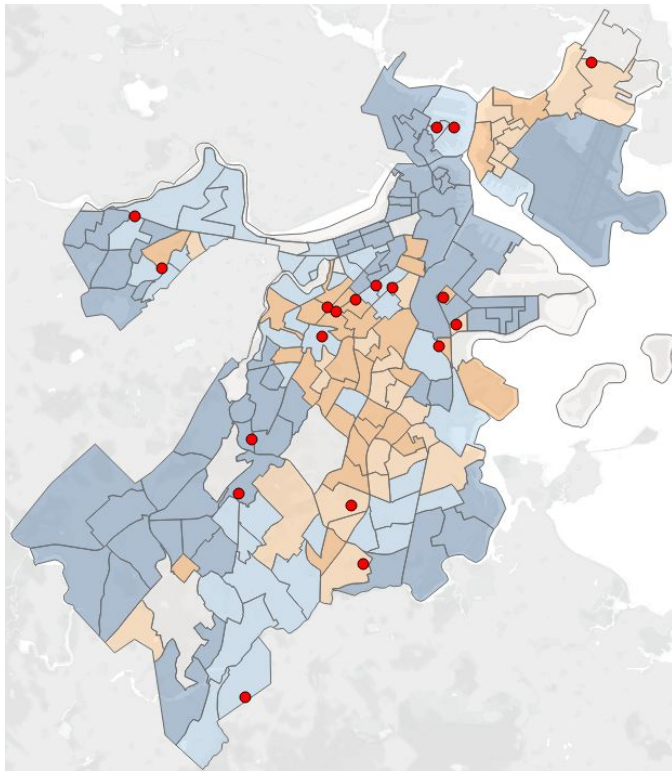
# Map Comparison: 5 Tiers

Based on all school-aged children

Based on grades 5-8



Null
1
2
3
4
5

# Map Comparison: 8 Tiers

Based on all school-aged children

Based on grades 5-8



Null
1
2
3
4
5
6
7
8
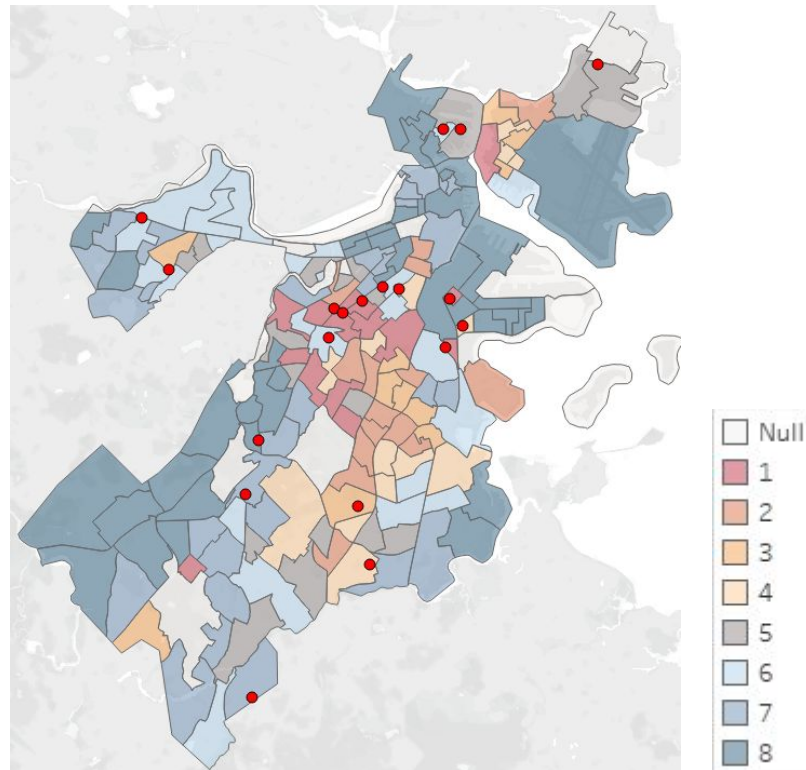
# Distribution of Tiers Using Number of Students in All Grades

| Tier Number | 4 Tiers - All Grades | | | | 5 Tiers - All Grades | | | | 8 Tiers - All Grades | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees |
| 1 | 30 | 19337 | 659 | 130 | 23 | 15287 | 516 | 102 | 15 | 9589 | 309 | 60 |
| 2 | 27 | 19654 | 639 | 153 | 20 | 15431 | 500 | 106 | 15 | 9748 | 350 | 70 |
| 3 | 44 | 20195 | 649 | 230 | 28 | 15705 | 475 | 130 | 11 | 9382 | 279 | 66 |
| 4 | 66 | 19736 | 831 | 505 | 37 | 16750 | 597 | 236 | 16 | 10272 | 360 | 87 |
| 5 | | | | | 59 | 15749 | 690 | 444 | 16 | 9043 | 241 | 70 |
| 6 | | | | | | | | | 28 | 11152 | 408 | 160 |
| 7 | | | | | | | | | 27 | 9473 | 356 | 173 |
| 8 | | | | | | | | | 39 | 10263 | 475 | 332 |

# Distribution of Tiers Using Number of Students in Grades 5-8

| Tier Number | 4 Tiers - Grades 5-8 | | | | 5 Tiers - Grades 5-8 | | | | 8 Tiers - Grades 5-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees | # of Tracts | # of School-Aged Children (ACS) | # of SY20-21 Applicants | # of SY20-21 Invitees |
| 1 | 29 | 5649 | 648 | 124 | 22 | 4274 | 482 | 95 | 14 | 2493 | 267 | 54 |
| 2 | 25 | 5532 | 595 | 143 | 20 | 4731 | 510 | 111 | 15 | 3156 | 381 | 70 |
| 3 | 42 | 5789 | 620 | 206 | 24 | 4332 | 437 | 113 | 11 | 2845 | 280 | 71 |
| 4 | 71 | 5759 | 915 | 545 | 39 | 4610 | 580 | 223 | 14 | 2687 | 315 | 72 |
| 5 | | | | | 62 | 4782 | 769 | 476 | 18 | 2943 | 279 | 77 |
| 6 | | | | | | | | | 24 | 2846 | 341 | 129 |
| 7 | | | | | | | | | 30 | 2860 | 429 | 210 |
| 8 | | | | | | | | | 41 | 2899 | 486 | 335 |

# Using Tiers as an Invitation Mechanism

The table below displays the number of seats that would be allocated by tier, depending on number of tiers. The table assumes 1,000 invitations would be distributed and the first 20% of seats would be distributed citywide.

| Number of Tiers | 4 | 5 | 8 |
|---|---|---|---|
| 20% Citywide | 200 | 200 | 200 |
| 1 | 200 | 160 | 100 |
| 2 | 200 | 160 | 100 |
| 3 | 200 | 160 | 100 |
| 4 | 200 | 160 | 100 |
| 5 | | 160 | 100 |
| 6 | | | 100 |
| 7 | | | 100 |
| 8 | | | 100 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By Economic Status

## 4 Tiers - Grades 5-8

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Not Economically Disadvantaged | 20.1% | 25.7% | 34.7% | 67.5% | 40.2% |
| Economically Disadvantaged | 79.9% | 74.3% | 65.3% | 32.5% | 59.8% |
| Total | 648 | 595 | 620 | 915 | 2778 |

## 5 Tiers - Grades 5-8

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Not Economically Disadvantaged | 16.0% | 27.6% | 27.0% | 41.7% | 70.0% | 40.2% |
| Economically Disadvantaged | 84.0% | 72.4% | 73.0% | 58.3% | 30.0% | 59.8% |
| Total | 482 | 510 | 437 | 580 | 769 | 2778 |

## 4 Tiers - All Grades

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Not Economically Disadvantaged | 20.2% | 25.5% | 39.0% | 68.2% | 40.2% |
| Economically Disadvantaged | 79.8% | 74.5% | 61.0% | 31.8% | 59.8% |
| Total | 659 | 639 | 649 | 831 | 2778 |

## 5 Tiers - All Grades

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Not Economically Disadvantaged | 17.2% | 27.2% | 29.5% | 43.2% | 71.4% | 40.2% |
| Economically Disadvantaged | 82.8% | 72.8% | 70.5% | 56.8% | 28.6% | 59.8% |
| Total | 516 | 500 | 475 | 597 | 690 | 2778 |

## 8 Tiers - Grades 5-8

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Not Economically Disadvantaged | 16.9% | 22.3% | 25.4% | 26.0% | 32.6% | 36.4% | 55.9% | 77.8% | 40.2% |
| Economically Disadvantaged | 83.1% | 77.7% | 74.6% | 74.0% | 67.4% | 63.6% | 44.1% | 22.2% | 59.8% |
| Total | 267 | 381 | 280 | 315 | 279 | 341 | 429 | 486 | 2778 |

## 8 Tiers - All Grades

| Economic Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Not Economically Disadvantaged | 16.8% | 23.1% | 25.8% | 25.3% | 33.2% | 42.4% | 54.8% | 78.3% | 40.2% |
| Economically Disadvantaged | 83.2% | 76.9% | 74.2% | 74.7% | 66.8% | 57.6% | 45.2% | 21.7% | 59.8% |
| Total | 309 | 350 | 279 | 360 | 241 | 408 | 356 | 475 | 2778 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By Race (1)

**4 Tiers - Grades 5-8**

| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Asian | 9.7% | 14.6% | 14.4% | 13.4% | 13.0% |
| Black | 39.4% | 30.3% | 30.6% | 12.1% | 26.6% |
| Latinx | 44.9% | 45.2% | 36.5% | 20.2% | 35.0% |
| Multi-Race/Other | 3.1% | 2.7% | 5.0% | 6.1% | 4.4% |
| White | 2.9% | 7.2% | 13.5% | 48.1% | 21.0% |
| Total | 648 | 595 | 620 | 915 | 2778 |

**5 Tiers - Grades 5-8**

| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Asian | 12.4% | 10.2% | 12.4% | 17.8% | 12.1% | 13.0% |
| Black | 37.6% | 36.5% | 30.2% | 26.4% | 10.9% | 26.6% |
| Latinx | 43.4% | 46.9% | 43.7% | 33.1% | 18.2% | 35.0% |
| Multi-Race/Other | 3.1% | 2.2% | 3.9% | 5.0% | 6.6% | 4.4% |
| White | 3.5% | 4.3% | 9.8% | 17.8% | 52.1% | 21.0% |
| Total | 482 | 510 | 437 | 580 | 769 | 2778 |

**4 Tiers - All Grades**

| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Asian | 10.0% | 14.1% | 13.3% | 14.4% | 13.0% |
| Black | 38.8% | 28.3% | 32.5% | 10.6% | 26.6% |
| Latinx | 44.9% | 46.2% | 34.7% | 18.7% | 35.0% |
| Multi-Race/Other | 3.0% | 3.1% | 4.6% | 6.4% | 4.4% |
| White | 3.2% | 8.3% | 14.9% | 49.9% | 21.0% |
| Total | 659 | 639 | 649 | 831 | 2778 |

**5 Tiers - All Grades**

| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Asian | 11.6% | 10.6% | 12.0% | 16.9% | 13.2% | 13.0% |
| Black | 39.9% | 34.4% | 30.9% | 25.0% | 9.0% | 26.6% |
| Latinx | 41.9% | 48.2% | 43.4% | 33.2% | 15.9% | 35.0% |
| Multi-Race/Other | 3.3% | 2.2% | 3.8% | 5.2% | 6.7% | 4.4% |
| White | 3.3% | 4.6% | 9.9% | 19.8% | 55.2% | 21.0% |
| Total | 516 | 500 | 475 | 597 | 690 | 2778 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By Race (2)

| 8 Tiers - Grades 5-8 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
| Asian | 8.2% | 10.8% | 11.8% | 17.1% | 9.3% | 18.5% | 14.9% | 12.1% | 13.0% |
| Black | 35.6% | 42.0% | 31.8% | 28.9% | 37.3% | 25.2% | 20.7% | 4.5% | 26.6% |
| Latinx | 49.1% | 42.0% | 48.9% | 41.9% | 40.1% | 33.4% | 29.1% | 12.3% | 35.0% |
| Multi-Race/Other | 3.0% | 3.1% | 0.7% | 4.4% | 3.9% | 5.9% | 5.4% | 6.8% | 4.4% |
| White | 4.1% | 2.1% | 6.8% | 7.6% | 9.3% | 17.0% | 29.8% | 64.2% | 21.0% |
| Total | 267 | 381 | 280 | 315 | 279 | 341 | 429 | 486 | 2778 |

| 8 Tiers - All Grades | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Race | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
| Asian | 7.1% | 12.6% | 10.8% | 16.7% | 9.1% | 15.7% | 18.3% | 11.6% | 13.0% |
| Black | 37.5% | 40.0% | 32.6% | 25.0% | 42.7% | 26.5% | 19.4% | 4.0% | 26.6% |
| Latinx | 48.5% | 41.7% | 49.1% | 43.9% | 38.2% | 32.6% | 27.5% | 12.0% | 35.0% |
| Multi-Race/Other | 3.2% | 2.9% | 1.1% | 4.7% | 2.9% | 5.6% | 5.6% | 6.9% | 4.4% |
| White | 3.6% | 2.9% | 6.5% | 9.7% | 7.1% | 19.6% | 29.2% | 65.5% | 21.0% |
| Total | 309 | 350 | 279 | 360 | 241 | 408 | 356 | 475 | 2778 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By Sex

**4 Tiers - Grades 5-8**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Female | 53.7% | 53.9% | 52.1% | 48.0% | 51.7% |
| Male | 46.3% | 45.7% | 47.9% | 52.0% | 48.2% |
| Total | 648 | 595 | 620 | 915 | 2778 |

**5 Tiers - Grades 5-8**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Female | 52.3% | 52.9% | 56.1% | 52.6% | 46.7% | 51.7% |
| Male | 47.7% | 46.9% | 43.7% | 47.4% | 53.3% | 48.2% |
| Total | 482 | 510 | 437 | 580 | 769 | 2778 |

**4 Tiers - All Grades**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Female | 53.6% | 54.3% | 52.2% | 47.2% | 51.7% |
| Male | 46.4% | 45.4% | 47.8% | 52.8% | 48.2% |
| Total | 659 | 639 | 649 | 831 | 2778 |

**5 Tiers - All Grades**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Female | 52.7% | 52.8% | 56.4% | 50.4% | 47.2% | 51.7% |
| Male | 47.3% | 47.0% | 43.4% | 49.6% | 52.8% | 48.2% |
| Total | 516 | 500 | 475 | 597 | 690 | 2778 |

**8 Tiers - Grades 5-8**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Female | 52.4% | 54.6% | 50.4% | 57.1% | 53.4% | 51.0% | 49.4% | 46.7% | 51.7% |
| Male | 47.6% | 45.4% | 49.3% | 42.5% | 46.6% | 49.0% | 50.6% | 53.3% | 48.2% |
| Total | 267 | 381 | 280 | 315 | 279 | 341 | 429 | 486 | 2778 |

**8 Tiers - All Grades**

| Sex | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Female | 53.7% | 53.4% | 50.9% | 56.9% | 51.5% | 52.7% | 47.8% | 46.7% | 51.7% |
| Male | 46.3% | 46.6% | 48.7% | 42.8% | 48.5% | 47.3% | 52.2% | 53.3% | 48.2% |
| Total | 309 | 350 | 279 | 360 | 241 | 408 | 356 | 475 | 2778 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By English Learner Status

### 4 Tiers - Grades 5-8

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Not English Learner | 84.9% | 86.9% | 90.0% | 95.2% | 89.8% |
| English Learner | 15.1% | 13.1% | 10.0% | 4.8% | 10.2% |
| Total | 648 | 595 | 620 | 915 | 2778 |

### 5 Tiers - Grades 5-8

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Not English Learner | 84.0% | 85.1% | 89.7% | 91.6% | 95.4% | 89.8% |
| English Learner | 16.0% | 14.9% | 10.3% | 8.4% | 4.6% | 10.2% |
| Total | 482 | 510 | 437 | 580 | 769 | 2778 |

### 4 Tiers - All Grades

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
|---|---|---|---|---|---|
| Not English Learner | 85.0% | 86.7% | 90.9% | 95.3% | 89.8% |
| English Learner | 15.0% | 13.3% | 9.1% | 4.7% | 10.2% |
| Total | 659 | 639 | 649 | 831 | 2778 |

### 5 Tiers - All Grades

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
|---|---|---|---|---|---|---|
| Not English Learner | 85.1% | 84.0% | 90.5% | 90.8% | 96.4% | 89.8% |
| English Learner | 14.9% | 16.0% | 9.5% | 9.2% | 3.6% | 10.2% |
| Total | 516 | 500 | 475 | 597 | 690 | 2778 |

### 8 Tiers - Grades 5-8

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Not English Learner | 86.1% | 84.0% | 83.9% | 89.5% | 89.2% | 90.6% | 93.2% | 96.9% | 89.8% |
| English Learner | 13.9% | 16.0% | 16.1% | 10.5% | 10.8% | 9.4% | 6.8% | 3.1% | 10.2% |
| Total | 267 | 381 | 280 | 315 | 279 | 341 | 429 | 486 | 2778 |

### 8 Tiers - All Grades

| EL Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Not English Learner | 85.4% | 84.6% | 83.5% | 89.2% | 89.6% | 91.7% | 92.7% | 97.3% | 89.8% |
| English Learner | 14.6% | 15.4% | 16.5% | 10.8% | 10.4% | 8.3% | 7.3% | 2.7% | 10.2% |
| Total | 309 | 350 | 279 | 360 | 241 | 408 | 356 | 475 | 2778 |

# SY20-21 Applicant Pool: Tier Enrollment Comparison By IEP Status

| 4 Tiers - Grades 5-8 | | | | | |
| --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
| No IEP | 87.7% | 90.3% | 91.0% | 91.3% | 90.1% |
| Has IEP | 12.3% | 9.7% | 9.0% | 8.7% | 9.9% |
| Total | 648 | 595 | 620 | 915 | 2778 |

| 5 Tiers - Grades 5-8 | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
| No IEP | 88.4% | 89.2% | 90.4% | 91.0% | 91.0% | 90.1% |
| Has IEP | 11.6% | 10.8% | 9.6% | 9.0% | 9.0% | 9.9% |
| Total | 482 | 510 | 437 | 580 | 769 | 2778 |

| 4 Tiers - All Grades | | | | | |
| --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Total |
| No IEP | 87.7% | 90.6% | 90.8% | 91.2% | 90.1% |
| Has IEP | 12.3% | 9.4% | 9.2% | 8.8% | 9.9% |
| Total | 659 | 639 | 649 | 831 | 2778 |

| 5 Tiers - All Grades | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Total |
| No IEP | 87.8% | 89.2% | 91.4% | 90.3% | 91.6% | 90.1% |
| Has IEP | 12.2% | 10.8% | 8.6% | 9.7% | 8.4% | 9.9% |
| Total | 516 | 500 | 475 | 597 | 690 | 2778 |

| 8 Tiers - Grades 5-8 | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
| No IEP | 86.1% | 88.7% | 91.1% | 89.5% | 91.4% | 90.6% | 90.2% | 92.2% | 90.1% |
| Has IEP | 13.9% | 11.3% | 8.9% | 10.5% | 8.6% | 9.4% | 9.8% | 7.8% | 9.9% |
| Total | 267 | 381 | 280 | 315 | 279 | 341 | 429 | 486 | 2778 |

| 8 Tiers - All Grades | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IEP Status | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 | Tier 6 | Tier 7 | Tier 8 | Total |
| No IEP | 86.7% | 88.6% | 90.7% | 90.6% | 91.3% | 90.4% | 89.9% | 92.2% | 90.1% |
| Has IEP | 13.3% | 11.4% | 9.3% | 9.4% | 8.7% | 9.6% | 10.1% | 7.8% | 9.9% |
| Total | 309 | 350 | 279 | 360 | 241 | 408 | 356 | 475 | 2778 |