SPRING 2020 DIGITAL EQUITY SURVEY RESULTS

Please note that these data reflect responses submitted by New York State Schools to the best of their ability and knowledge in June-July 2020. As schools, districts, and communities work to improve digital equity in New York, this information is subject to change.
## Submissions as of July 2020

<table>
<thead>
<tr>
<th></th>
<th>Submitted</th>
<th>%</th>
<th>Unsubmitted</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All Schools</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public</td>
<td>2894</td>
<td>65%</td>
<td>1539</td>
<td>35%</td>
</tr>
<tr>
<td>Non-Public</td>
<td>133</td>
<td>7%</td>
<td>1694</td>
<td>93%</td>
</tr>
<tr>
<td>Charter</td>
<td>129</td>
<td>37%</td>
<td>222</td>
<td>63%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>3156</td>
<td>48%</td>
<td>3455</td>
<td>52%</td>
</tr>
<tr>
<td><strong>Rest of State Only (NO NYC)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RoS</td>
<td>2257</td>
<td>79%</td>
<td>593</td>
<td>21%</td>
</tr>
<tr>
<td><strong>NYC Only</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NYC</td>
<td>637</td>
<td>40%</td>
<td>946</td>
<td>60%</td>
</tr>
</tbody>
</table>
SUBMISSIONS

- Submitted: 3156, 48%
- Unsubmitted: 3455, 52%

- Public:
  - Submitted: 2894
  - Unsubmitted: 1539
- Non-Public:
  - Submitted: 133
  - Unsubmitted: 1694
- Charter:
  - Submitted: 129
  - Unsubmitted: 222
REST OF STATE (ROS) PUBLIC SCHOOLS VS NYC SUBMISSIONS

NYC Submissions
- Submitted: 946 (60%)
- Unsubmitted: 637 (40%)

ROS Submissions
- Submitted: 593 (21%)
- Unsubmitted: 2257 (79%)

NYC Submissions
- Submitted: 946 (60%)
- Unsubmitted: 637 (40%)

ROS Submissions
- Submitted: 593 (21%)
- Unsubmitted: 2257 (79%)

Submitted
Unsubmitted
NUMBER OF SUBMISSIONS BY NRC

- Average Needs: 1067
- Charter School: 116
- Large City: 98
- Low Needs: 519
- New York City: 943
- Rural High Needs: 63
- Urban/Suburban/High: 253
- #N/A: 152

Submitted
48% of all NYS schools submitted their data.

NYC submitted 40% of schools, while the Rest of State (RoS) public schools submitted 79%.

Low needs schools submitted the highest percentage of data.
STUDENT DEVICE ACCESS
STUDENTS PROVIDED DEVICES FOR HOME USE

- Students provided devices by schools before and during closures
- Students with a dedicated device provided by family
- No Device or a shared device
- Not reported
Students provided devices by schools before and during closures
Students with a dedicated device provided by family
No Device or a shared device
Not reported
BIG 5 ACCESS TO DEVICES

BUFFALO CITY SD
- 4114, 12%
- 8773, 27%
- 16891, 51%
- 3354, 10%

YONKERS CITY SD
- 1872, 7%
- 906, 4%
- 12699, 49%
- 6680, 26%
- 3701, 14%

NYC
- 558147, 60%
- 147788, 16%
- 47744, 5%
- 133135, 14%
- 46901, 5%

ROCHESTER CITY SD
- 15371, 58%
- 3984, 15%
- 2639, 10%
- 3421, 13%
- 1030, 4%

SYRACUSE CITY SD
- 12699, 49%
- 6680, 26%
- 3701, 14%
- 3354, 10%

- Students provided a device before closures
- Students provided devices by schools during closures
- Students with a dedicated device provided by family
- No Device or a shared device
- Not Reported
DEVICE ACCESS BY NRC FOR REST OF STATE

Average Needs Schools

- 15% Students provided a device before closures
- 8% Students provided devices by schools during closures
- 31% Students with a dedicated device provided by family
- 21% No Device or a shared device
- 25% Not Reported

Low Needs Schools

- 14% Students provided a device before closures
- 40% Students provided devices by schools during closures
- 31% Students with a dedicated device provided by family
- 15% No Device or a shared device
- 0% Not Reported

Charter Schools

- 48% Students provided a device before closures
- 13% Students provided devices by schools during closures
- 15% Students with a dedicated device provided by family
- 18% No Device or a shared device
- 6% Not Reported

Urban/Suburban/High Needs Schools

- 20% Students provided a device before closures
- 13% Students provided devices by schools during closures
- 22% Students with a dedicated device provided by family
- 24% No Device or a shared device
- 21% Not Reported

Rural High Needs Schools

- 21% Students provided a device before closures
- 13% Students provided devices by schools during closures
- 37% Students with a dedicated device provided by family
- 29% No Device or a shared device
- 0% Not Reported
TOTAL STUDENTS WITH NO DEVICE OR A SHARED DEVICE BASED ON NRC
Overall, 53% of students had a dedicated device at their place of residence before and during the closures provided by schools (34%) or families (19%).

7th graders were provided the highest number of devices by schools.

Students in grades K-2 reported the highest numbers of no device or a shared device.

The highest percentage of students with no devices/shared devices were Urban/Suburban/High Needs.

Average needs schools reported the highest number of students with no device or a shared device.
STUDENT INTERNET ACCESS
- Students with "all the time" internet access provided by family
- Students with "all the time" internet access provided by school
- Students with insufficient internet access
- Not reported
BIG 5 STUDENT INTERNET ACCESS

BUFFALO CITY SD
- 421, 1%
- 22416, 68%
- 10244, 31%
- 0, 0%

YONKERS CITY SD
- 695, 3%
- 2254, 9%
- 15594, 60%
- 7315, 28%

NYC
- 95283, 10%
- 35511, 4%
- 251184, 27%
- 551737, 59%

ROCHESTER CITY SD
- 455, 2%
- 1567, 6%
- 6051, 23%
- 15817, 60%

SYRACUSE CITY SD
- 455, 2%
- 0, 0%
- 51, 0%
- 19598, 98%

• Students with "all the time" internet access provided by family
• Students with "all the time" internet access provided by school
• Students with insufficient internet access
• Not reported
REST OF STATE INTERNET ACCESS BY SET CODE

- Students with "all the time" internet access provided by family
- Students with "all the time" internet access provided by school
- Students with insufficient internet access
- Not reported
Students with insufficient internet access

- Big 4 Cities: 19177
- New York City: 551737
- Downstate Small Cities: 9792
- Downstate Suburbs: 25959
- Rural: 18631
- Upstate Small Cities: 14188
- Upstate Suburbs: 20685
- Upstate: #N/A
- Small Cities: 50439
- Suburbs: 43731
- Downstate: 59757
- New York: 97517

### Students with insufficient internet access

- Big 4 Cities: 19177
- New York City: 551737
- Downstate Small Cities: 9792
- Downstate Suburbs: 25959
- Rural: 18631
- Upstate Small Cities: 14188
- Upstate Suburbs: 20685
- Upstate: #N/A
- Small Cities: 50439
- Suburbs: 43731
- Downstate: 59757
- New York: 97517

### Not reported

- Big 4 Cities: 50439
- New York City: 97517
- Downstate Small Cities: 11739
- Downstate Suburbs: 59757
- Rural: 1569
- Upstate Small Cities: 43731
- Upstate Suburbs: 78119
- Upstate: 402916
- Small Cities: 11739
- Suburbs: 18631
- Downstate: 50439
- New York: 97517

### Students with insufficient internet access

- Big 4 Cities: 19177
- New York City: 551737
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- Downstate Suburbs: 25959
- Rural: 18631
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- Downstate: 50439
- New York: 97517
BARRIERS TO RELIABLE INTERNET ACCESS AT HOME
STUDENTS AFFECTED BY EACH BARRIER

- Availability: 1590064 (52%)
- Cost: 1219188 (40%)
- Other: 5653 (0%)
- None: 82997 (3%)
- Not Reported: 171157 (5%)

Legend:
- Availability
- Cost
- Other
- None
- Not Reported
TOP BARRIERS TO RELIABLE INTERNET BY NRC
STUDENT BARRIERS TO INTERNET ACCESS BY NRC

Availability  Cost  Other  Not Reported

- AVERAGE NEEDS
- CHARTER SCHOOL
- LARGE CITY
- LOW NEEDS
- NEW YORK CITY
- RURAL HIGH NEEDS
- URBAN/SUBURBAN/HIGH...
- N/A
Only 7% of reported students (208,006) have insufficient internet access.

New York City and Down State Suburbs have the most students with insufficient internet access.

Cost is the most reported barrier to students having “all the time” internet access at their places of residence, except for Rural High Needs schools where the top barrier is Availability.
TEACHER
DEVICE AND
INTERNET
ACCESS
NUMBER OF TEACHERS REPORTED TO NOT HAVE ACCESS TO DEVICES OR RELIABLE INTERNET AT THEIR PLACE OF RESIDENCE
TEACHER INTERNET ACCESS BARRIERS

- Availability: 2339, 73%
- Cost: 173, 5%
- Other: 82, 3%
- None: 618, 19%

- None: 618, 19%
- Cost: 173, 5%
- Other: 82, 3%
- Availability: 2339, 73%
NUMBER OF SCHOOLS WITH TEACHER BARRIERS

<table>
<thead>
<tr>
<th>Region</th>
<th>Availability</th>
<th>Cost</th>
<th>Other</th>
<th>None</th>
</tr>
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<tbody>
<tr>
<td>BIG 4 CITIES</td>
<td>106</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>DOWNSTATE SMALL CITIES</td>
<td>39</td>
<td>0</td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>DOWNSTATE SUBURBS</td>
<td>667</td>
<td>26</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NEW YORK CITY</td>
<td>466</td>
<td>15</td>
<td>70</td>
<td>15</td>
</tr>
<tr>
<td>RURAL</td>
<td>138</td>
<td>11</td>
<td>69</td>
<td>138</td>
</tr>
<tr>
<td>UPSTATE SMALL CITIES</td>
<td>199</td>
<td>7</td>
<td>54</td>
<td>199</td>
</tr>
<tr>
<td>UPSTATE SUBURBS</td>
<td>528</td>
<td>14</td>
<td>134</td>
<td>528</td>
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<tr>
<td>#N/A</td>
<td>123</td>
<td>14</td>
<td>17</td>
<td>123</td>
</tr>
</tbody>
</table>
TEACHERS AFFECTED BY TOP BARRIERS
SUMMARY
TEACHER DEVICE AND INTERNET ACCESS

73% of reported teachers have access to “all the time” internet.

If teachers do not have “all the time” reliable internet the biggest barrier is availability.

New York City is the only area that reported that their teachers’ main barrier is cost.