## Exam School Task Force <br> 6.28.21

## Overall Simulation Assumptions

- Assumptions within simulations:
- 1,000 invitations to distribute
- Students attending a 6th grade school with 50\%+ economically disadvantaged students receive an additional $10 \%$ of total possible points on their overall score.
- Data set for the simulation:
- 7th grade applicants for SY20-21
- Incorporates ISEE scores in place of MAP Growth
- Re-calculated GPA using Fall grades only -- GPA is not rounded
- Considerations to keep in mind:
- Simulation does not incorporate school preference
- Does not incorporate any eligibility criteria -- if students had a GPA and test score, they are considered eligible
- Missing census tract data for students outside of Boston (16 students in this data set)
- Economically disadvantaged data by school is from DESE and is only available for BPS and Charter schools.
- NOTE: for simplicity, simulation tables shared reflect tier option 5. Results using tier options 1 and 6 are in the appendix. These three options include the variable related to English language.


## Simulations Reminders

- The simulations can only provide a sense of what may happen with proposed changes this year and should not be interpreted as definitive results.
- The task force is proposing to include science and social studies grades, which are not incorporated into the simulations.
- The current district assessment contract is with NWEA for MAP Growth. The simulation uses ISEE scores because MAP Growth results are not available.
- Applicants for the next admissions cycle may not be distributed across the city in the same way applicants were for the SY20-21 admissions cycle.
- The grades proposed to be used (SY21-22 grades) have not yet been recorded.
- The simulations do not take into account student preference.


## Correction to Previous Simulations Shared

- While the previous simulations shared incorporated ISEE and GPA at $50 \%$ each, the ISEE scores were incorrectly scaled, resulting in less differentiation between scores. This error has been corrected in all simulations shared tonight.
- In the ISEE, there are 4 sections (reading, math, quantitative, verbal). Each section has a scaled score from 760-940, resulting in a total possible score of 3,760 . This number was incorrectly used to determine the proportion of points earned. The correct number to use is 720 , because each of the 4 sections has 180 possible points.
- This benefitted students with lower ISEE scores.
- The impact on the simulation results is primarily in the $20 \%$ of invitations.


## Correction to Previous Simulations Shared: by Economic Status

ORIGINAL FROM $6.23-50 / 50 \mathrm{~W} / \mathrm{High}$ Poverty Indicator

|  | Simulations (20\%+80\% Separate) |  |  |  | Simulations (20\%+80\% Together) |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Economic Status | $20 \%$ | $80 \%$ Tier <br> Option 1 | $80 \%$ Tier <br> Option 5 | $80 \%$ Tier <br> Option 6 | $20 \%+80 \%$ <br> Tier Option 1 | $20 \%+80 \%$ Tier <br> Option 5 | $20 \%+80 \%$ <br> Tier Option 6 |
| Economically <br> Disadvantaged | $48 \%$ | $57 \%$ | $57 \%$ | $57 \%$ | $55 \%$ | $55 \%$ | $55 \%$ |
| Non-Economically <br> Disadvantaged | $52 \%$ | $44 \%$ | $43 \%$ | $44 \%$ | $45 \%$ | $45 \%$ | $45 \%$ |

UPDATED FROM 6.27-- 50/50 W/ High Poverty Indicator

|  | Simulations (20\% + 80\% Separate) |  |  | Simulations (20\% + 80\% Together) |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Economic Status | $20 \%$ | $80 \%$ Tier <br> Option 1 | $80 \%$ Tier <br> Option 5 | $80 \%$ Tier <br> Option 6 | $20 \%+80 \%$ <br> Tier Option 1 | $20 \%+80 \%$ Tier <br> Option 5 | $20 \%+80 \%$ <br> Tier Option 6 |
| Economically <br> Disadvantaged | $36 \%$ | $55 \%$ | $54 \%$ | $55 \%$ | $51 \%$ | $51 \%$ | $51 \%$ |
| Non-Economically <br> Disadvantaged | $65 \%$ | $45 \%$ | $46 \%$ | $45 \%$ | $49 \%$ | $49 \%$ | $49 \%$ |

ORIGINAL FROM 6.23--50/50 W/ High Poverty Indicator

|  | Simulations (100\% Tiers Distribution) |  |  |
| :--- | :---: | :---: | :---: |
| Economic Status | 100\% Tier <br> Option 1 | $\mathbf{1 0 0 \%}$ Tier <br> Option 5 | $\mathbf{1 0 0 \% ~ T i e r ~}$ <br> Option 6 |
| Economically <br> Disadvantaged | $56 \%$ | $57 \%$ | $57 \%$ |
| Non-Economically <br> Disadvantaged | $44 \%$ | $43 \%$ | $43 \%$ |

UPDATED FROM 6.27-- 50/50 W/ High Poverty Indicator

|  | Simulations (100\% Tiers Distribution) |  |  |
| :--- | :---: | :---: | :---: |
| Economic Status | $100 \%$ Tier <br> Option 1 | $\mathbf{1 0 0 \%}$ Tier <br> Option 5 | $\mathbf{1 0 0 \% ~ T i e r ~}$ <br> Option 6 |
| Economically <br> Disadvantaged | $54 \%$ | $54 \%$ | $54 \%$ |
| Non-Economically <br> Disadvantaged | $46 \%$ | $46 \%$ | $46 \%$ |

## Correction to Previous Simulations Shared: by Zip Code (20/80)

Note: Yellow highlights indicate $2^{+}$percentage point change in either direction.

| ORIGINAL FROM 6.23-50/50 W/ High Poverty Indicator |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Zip Code | Neighborhood | Simulations ( $20 \%+80 \%$ Separate) |  |  |  | Simulations ( $20 \%+80 \%$ Together) |  |  |
|  |  | 20\% | 80\% Tier Option 1 | 80\% Tier <br> Option 5 | $80 \%$ Tier <br> Option 6 | $\begin{gathered} \hline 20 \%+80 \% \\ \text { Tier Option } 1 \\ \hline \end{gathered}$ | $20 \%+80 \%$ <br> Tier Option 5 | $\begin{gathered} 20 \%+80 \% \\ \text { Tier Option } 6 \end{gathered}$ |
| 2108 | Beacon Hill | 0.0\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% |
| 2109 | Downtown | 0.0\% | 0.4\% | 0.4\% | 0.4\% | 0.3\% | 0.3\% | 0.3\% |
| 2110 | Downtown | 0.0\% | 0.5\% | 0.5\% | 0.5\% | 0.4\% | 0.4\% | 0.4\% |
| 2111 | Chinatown | 1.5\% | 1.8\% | 2.1\% | 1.9\% | 1.7\% | 2.0\% | 1.8\% |
| 2113 | North End | 0.0\% | 0.6\% | 0.6\% | 0.6\% | 0.5\% | 0.5\% | 0.5\% |
| 2114 | Beacon Hill / West End | 0.0\% | 1.3\% | 1.0\% | 1.4\% | 1.0\% | 0.8\% | 1.1\% |
| 2115 | Longwood/Fenway | 1.0\% | 2.0\% | 2.1\% | 1.8\% | 1.8\% | 1.9\% | 1.6\% |
| 2116 | Back Bay | 0.0\% | 1.6\% | 1.6\% | 1.6\% | 1.3\% | 1.3\% | 1.3\% |
| 2118 | South End | 2.5\% | 3.8\% | 3.8\% | 3.5\% | 3.5\% | 3.5\% | 3.3\% |
| 2119 | Roxbury | 2.0\% | 4.5\% | 4.6\% | 4.6\% | 4.0\% | 4.1\% | 4.1\% |
| 2120 | Roxbury | 1.0\% | 1.9\% | 2.3\% | 1.9\% | 1.7\% | 2.0\% | 1.7\% |
| 2121 | Dorchester | 4.5\% | 7.0\% | 6.3\% | 6.8\% | 6.5\% | 5.9\% | 6.3\% |
| 2122 | Dorchester | 12.5\% | 6.0\% | 6.6\% | 7.0\% | 7.3\% | 7.8\% | 8.1\% |
| 2124 | Dorchester | 14.5\% | 9.6\% | 9.3\% | 9.6\% | 10.6\% | 10.3\% | 10.6\% |
| 2125 | Dorchester | 7.0\% | 6.6\% | 6.5\% | 6.5\% | 6.7\% | 6.6\% | 6.6\% |
| 2126 | Mattapan | 3.0\% | 4.8\% | 4.5\% | 4.6\% | 4.4\% | 4.2\% | 4.3\% |
| 2127 | South Boston | 3.0\% | 2.8\% | 3.3\% | 3.0\% | 2.8\% | 3.2\% | 3.0\% |
| 2128 | East Boston | 6.0\% | 12.8\% | 12.8\% | 13.5\% | 11.4\% | 11.4\% | 12.0\% |
| 2129 | Charlestown | 1.5\% | 2.6\% | 2.8\% | 2.5\% | 2.4\% | 2.5\% | 2.3\% |
| 2130 | Jamaica Plain | 5.5\% | 4.4\% | 4.5\% | 4.3\% | 4.6\% | 4.7\% | 4.5\% |
| 2131 | Roslindale | 9.0\% | 5.1\% | 5.0\% | 5.0\% | 5.9\% | 5.8\% | 5.8\% |
| 2132 | West Roxbury | 5.5\% | 5.9\% | 6.1\% | 5.8\% | 5.8\% | 6.0\% | 5.7\% |
| 2134 | Allston | 3.5\% | 2.4\% | 2.4\% | 2.1\% | 2.6\% | 2.6\% | 2.4\% |
| 2135 | Brighton | 6.5\% | 4.1\% | 4.1\% | 3.9\% | 4.6\% | 4.6\% | 4.4\% |
| 2136 | Hyde Park | 10.0\% | 6.6\% | 5.9\% | 6.3\% | 7.3\% | 6.7\% | 7.0\% |
| 2163 | Allston | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 2199 | Back Bay | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 2210 | South Boston Waterfront | 0.0\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% |
| 2215 | Fenway/Kenmore | 0.0\% | 0.8\% | 0.8\% | 0.8\% | 0.6\% | 0.6\% | 0.6\% |
| 2467 | Chestnut Hill | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |

UPDATED FROM 6.27-50/50 W/ High Poverty Indicator

| Neighborhood | Simulations ( $20 \%+80 \%$ Separate) |  |  |  | Simulations (20\% + 80\% Together) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 20\% | 80\% Tier <br> Option 1 | 80\% Tier <br> Option 5 | 80\% Tier <br> Option 6 | $20 \%+80 \%$ <br> Tier Option 1 | $\begin{gathered} 20 \%+80 \% \\ \text { Tier Option } 5 \end{gathered}$ | $20 \%+80 \%$ <br> Tier Option 6 |
| Beacon Hill | 0.0\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% |
| Downtown | 0.0\% | 0.5\% | 0.5\% | 0.5\% | 0.4\% | 0.4\% | 0.4\% |
| Downtown | 0.0\% | 0.4\% | 0.5\% | 0.4\% | 0.3\% | 0.4\% | 0.3\% |
| Chinatown | 1.5\% | 2.1\% | 2.8\% | 2.1\% | 2.0\% | 2.5\% | 2.0\% |
| North End | 1.0\% | 0.4\% | 0.3\% | 0.4\% | 0.5\% | 0.4\% | 0.5\% |
| Beacon Hill / West End | 1.5\% | 1.1\% | 1.1\% | 1.1\% | 1.2\% | 1.2\% | 1.2\% |
| Longwood/Fenway | 1.0\% | 2.4\% | 2.3\% | 2.3\% | 2.1\% | 2.0\% | 2.0\% |
| Back Bay | 4.5\% | 1.3\% | 1.3\% | 1.3\% | 1.9\% | 1.9\% | 1.9\% |
| South End | 4.0\% | 3.6\% | 4.0\% | 3.5\% | 3.7\% | 4.0\% | 3.6\% |
| Roxbury | 1.0\% | 4.6\% | 5.1\% | 5.1\% | 3.9\% | 4.3\% | 4.3\% |
| Roxbury | 1.0\% | 2.1\% | 2.8\% | 1.9\% | 1.9\% | 2.4\% | 1.7\% |
| Dorchester | 1.0\% | 6.6\% | 6.3\% | 6.8\% | 5.5\% | 5.2\% | 5.6\% |
| Dorchester | 11.5\% | 6.4\% | 6.5\% | 6.6\% | 7.4\% | 7.5\% | 7.6\% |
| Dorchester | 13.5\% | 8.8\% | 9.1\% | 8.9\% | 9.7\% | 10.0\% | 9.8\% |
| Dorchester | 6.0\% | 6.4\% | 6.1\% | 6.4\% | 6.3\% | 6.1\% | 6.3\% |
| Mattapan | 2.0\% | 4.1\% | 3.8\% | 4.5\% | 3.7\% | 3.4\% | 4.0\% |
| South Boston | 2.0\% | 3.3\% | 3.6\% | 3.4\% | 3.0\% | 3.3\% | 3.1\% |
| East Boston | 3.0\% | 12.4\% | 11.3\% | 12.5\% | 10.5\% | 9.6\% | 10.6\% |
| Charlestown | 3.0\% | 3.0\% | 3.1\% | 3.0\% | 3.0\% | 3.1\% | 3.0\% |
| Jamaica Plain | 8.0\% | 4.5\% | 4.9\% | 4.5\% | 5.2\% | 5.5\% | 5.2\% |
| Roslindale | 10.0\% | 5.3\% | 5.0\% | 5.1\% | 6.2\% | 6.0\% | 6.1\% |
| West Roxbury | 9.0\% | 6.1\% | 6.3\% | 6.1\% | 6.7\% | 6.8\% | 6.7\% |
| Allston | 2.0\% | 2.3\% | 2.1\% | 2.1\% | 2.2\% | 2.1\% | 2.1\% |
| Brighton | 6.0\% | 4.3\% | 4.1\% | 3.8\% | 4.6\% | 4.5\% | 4.2\% |
| Hyde Park | 7.0\% | 7.4\% | 6.6\% | 7.1\% | 7.3\% | 6.7\% | 7.1\% |
| Allston | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| Back Bay | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| South Boston Waterfront | 0.0\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% |
| Fenway/Kenmore | 0.5\% | 0.8\% | 0.6\% | 0.6\% | 0.7\% | 0.6\% | 0.6\% |
| Chestnut Hill | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| Homeless/DCF | Not used |  |  |  | Not used |  |  |

## Correction to Previous Simulations Shared: by Race

ORIGINAL FROM 6.23--50/50 W/ High Poverty Indicator

| Race | Simulations ( $20 \%+80 \%$ Separate) |  |  |  | Simulations ( $20 \%+80 \%$ Together) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 20\% | 80\% Tier Option 1 | 80\% Tier Option 5 | $80 \%$ Tier <br> Option 6 | $\begin{array}{c\|c} 20 \%+80 \% \\ \text { Tier Option } 1 \end{array}$ | $\begin{gathered} 20 \%+80 \% \text { Tier } \\ \text { Option } 5 \end{gathered}$ | $\begin{gathered} 20 \%+80 \% \\ \text { Tier Option } 6 \end{gathered}$ |
| Asian | 28\% | 18\% | 18\% | 17\% | 20\% | 20\% | 19\% |
| Black | 17\% | 22\% | 22\% | 23\% | 21\% | 21\% | 22\% |
| Latinx | 23\% | 34\% | 34\% | 34\% | 32\% | 32\% | 32\% |
| Multi-Race/Other | 4\% | 5\% | 5\% | 4\% | 4\% | 4\% | 4\% |
| White | 28\% | 22\% | 22\% | 22\% | 23\% | 23\% | 23\% |

UPDATED FROM 6.27--50/50 W/ High Poverty Indicator

| Race | Simulations ( $20 \%+80 \%$ Separate) |  |  |  | Simulations ( $20 \%+80 \%$ Together) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 20\% | 80\% Tier Option 1 | 80\% Tier Option 5 | 80\% Tier Option 6 | $\begin{gathered} 20 \%+80 \% \\ \text { Tier Option } 1 \end{gathered}$ | $\begin{gathered} 20 \%+80 \% \text { Tier } \\ \text { Option } 5 \end{gathered}$ | $\begin{gathered} 20 \%+80 \% \\ \text { Tier Option } 6 \end{gathered}$ |
| Asian | 33\% | 18\% | 19\% | 18\% | 21\% | 21\% | 21\% |
| Black | 11\% | 21\% | 21\% | 22\% | 19\% | 19\% | 20\% |
| Latinx | 15\% | 32\% | 32\% | 32\% | 29\% | 29\% | 29\% |
| Multi-Race/Other | 5\% | 5\% | 4\% | 4\% | 5\% | 4\% | 4\% |
| White | 38\% | 24\% | 24\% | 23\% | 27\% | 27\% | 26\% |

ORIGINAL FROM 6.23-- 50/50 W/ High Poverty Indicator

| Race | Simulations (100\% Tiers Distribution) |  |  |
| :---: | :---: | :---: | :---: |
|  | $100 \%$ Tier <br> Option 1 | $\mathbf{1 0 0 \% \text { Tier }}$ <br> Option 5 | $\mathbf{1 0 0 \%}$ Tier <br> Option 6 |
| Asian | $19 \%$ | $20 \%$ | $19 \%$ |
| Black | $22 \%$ | $22 \%$ | $23 \%$ |
| Latinx | $32 \%$ | $32 \%$ | $33 \%$ |
| Multi-Race/Other | $4 \%$ | $4 \%$ | $4 \%$ |
| White | $22 \%$ | $22 \%$ | $21 \%$ |


| UPDATED FROM 6.27--50/50 W/ High Poverty Indicator |  |  |  |
| :---: | :---: | :---: | :---: |
| Race Simulations (100\% Tiers Distribution) <br> $\mathbf{1 0 0 \% \text { Tier }}$ <br> Option 1 $\mathbf{1 0 0 \%}$ Tier <br> Option 5 $\mathbf{1 0 0 \%}$ Tier <br> Option 6 <br>  $20 \%$ $21 \%$ $20 \%$ <br> Black $21 \%$ $21 \%$ $21 \%$ <br> Latinx $31 \%$ $31 \%$ $32 \%$ <br> Multi-Race/Other $4 \%$ $4 \%$ $5 \%$ <br> White $24 \%$ $24 \%$ $23 \%$ |  |  |  |

## Simulation Overview

| Weighting of Composite Score | Mechanism |  |  |
| :---: | :---: | :---: | :---: |
|  | 20\% Citywide Rank, 80\% Tiers Rank | 100\% Tiers Rank | 20\% Citywide Rank, 40\% Tiers Rank, 40\% Tiers Lottery* |
| 50\% GPA, 50\% Assessment, $+10 \%$ high poverty school indicator | Simulation 3A | Simulation 4A | Simulation 5A |
| 60\% GPA, 40\% Assessment, $+10 \%$ high poverty school indicator | Simulation 3B | Simulation 4B | Simulation 5B |
| 70\% GPA, 30\% Assessment, $+10 \%$ high poverty school indicator | Simulation 3C | Simulation 4C | Simulation 5C |
| 80\% GPA, 20\% Assessment, $+10 \%$ high poverty school indicator | Simulation 3D | Simulation 4D | Simulation 5D |

*NOTE: the $40 \%$ tiers qualified lottery is not able to be simulated at this time due to not having a cut-off composite score to determine students eligible for the lottery. Simulations that use the 20-40-40 methodology will display data for the $20 \%$ city rank and $40 \%$ tiers rank only.

## Simulations Summary: By Economic Status with High Poverty Indicator

| Economic Status | SY20-21 | SY21-22 Invitees |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Invitees | Overall | $\mathbf{2 0 \%}$ | $\mathbf{8 0 \%}$ |
| Economically <br> Disadvantaged | $35 \%$ | $43 \%$ | $30 \%$ | $46 \%$ |
| Non-Economically <br> Disadvantaged | $65 \%$ | $57 \%$ | $70 \%$ | $54 \%$ |


| Economic Status | A. 50\% Assessment, 50\% GPA |  |  | B. $40 \%$ Assessment, $60 \%$ GPA |  |  | C. 30\% Assessment, 70\% GPA |  |  | D. 20\% Assessment, 80\% GPA |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 | 3. $20-80$ | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 |
| Economically <br> Disadvantaged | 51\% | 54\% | 45\% | 51\% | 54\% | 46\% | 52\% | 54\% | 48\% | 53\% | 54\% | 50\% |
| Non-Economically Disadvantaged | 49\% | 46\% | 55\% | 49\% | 46\% | 54\% | 48\% | 46\% | 52\% | 47\% | 46\% | 50\% |

*NOTE: the $40 \%$ tiers qualified lottery is not able to be simulated at this time due to not having a cut-off composite score to determine students eligible for the lottery. Simulations that use the 20-40-40 methodology will display data for the $20 \%$ city rank and $40 \%$ tiers rank only.

## Simulations Summary: By Zip Code with High Poverty Indicator

| Zip Code | Neighborhood | SY20-21 <br> Invitees | SY21-22 Invitees |  |  | Neighborhood |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Overall | 20\% | 80\% |  | A. 50\% Assessment, 50\% GPA |  |  | B. $40 \%$ Assessment, $60 \%$ GPA |  |  | C. 30\% Assessment, 70\% GPA |  |  | D. 20\% Assessment, 80\% GPA |  |  |
|  |  |  |  |  |  |  | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4.100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 |
| 2108 | Beacon Hill | 0.1\% | 0.6\% | 1.5\% | 0.4\% | Beacon Hill | 0.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.1\% | 0.0\% | 0.0\% |
| 2109 | Downtown | 0.7\% | 0.2\% | 0.5\% | 0.1\% | Downtown | 0.4\% | 0.4\% | 0.5\% | 0.4\% | 0.4\% | 0.7\% | 0.4\% | 0.4\% | 0.7\% | 0.4\% | 0.4\% | 0.5\% |
| 2110 | Downtown | 0.7\% | 0.1\% | 0.0\% | 0.1\% | Downtown | 0.4\% | 0.3\% | 0.5\% | 0.4\% | 0.4\% | 0.5\% | 0.4\% | 0.4\% | 0.5\% | 0.4\% | 0.4\% | 0.7\% |
| 2111 | Chinatown | 2.3\% | 0.7\% | 0.5\% | 0.8\% | Chinatown | 2.5\% | 2.5\% | 2.7\% | 2.3\% | 2.3\% | 2.5\% | 2.3\% | 2.2\% | 2.3\% | 2.0\% | 2.1\% | 2.2\% |
| 2113 | North End | 0.7\% | 0.2\% | 0.0\% | 0.3\% | North End | 0.4\% | 0.3\% | 0.3\% | 0.5\% | 0.4\% | 0.3\% | 0.5\% | 0.5\% | 0.5\% | 0.5\% | 0.5\% | 0.7\% |
| 2114 | Beacon Hill / West End | 1.9\% | 0.7\% | 1.0\% | 0.6\% | Beacon Hill / West End | 1.2\% | 1.1\% | 1.3\% | 1.2\% | 1.1\% | 1.3\% | 1.4\% | 0.9\% | 1.3\% | 1.3\% | 1.1\% | 1.2\% |
| 2115 | Longwood/Fenway | 1.4\% | 1.0\% | 0.0\% | 1.3\% | Longwood/Fenway | 1.8\% | 2.0\% | 2.0\% | 2.0\% | 2.0\% | 2.0\% | 1.9\% | 2.0\% | 1.8\% | 1.9\% | 2.0\% | 1.7\% |
| 2116 | Back Bay | 2.6\% | 1.3\% | 1.5\% | 1.3\% | Back Bay | 1.9\% | 1.6\% | 2.2\% | 1.7\% | 1.4\% | 2.2\% | 1.6\% | 1.4\% | 2.0\% | 1.5\% | 1.3\% | 2.0\% |
| 2118 | South End | 3.5\% | 2.8\% | 1.5\% | 3.1\% | South End | 4.0\% | 4.2\% | 3.8\% | 3.7\% | 3.8\% | 3.8\% | 3.4\% | 3.5\% | 3.8\% | 3.5\% | 3.4\% | 3.5\% |
| 2119 | Roxbury | 2.6\% | 5.1\% | 2.6\% | 5.8\% | Roxbury | 4.3\% | 4.6\% | 3.3\% | 4.2\% | 4.5\% | 3.0\% | 4.3\% | 4.5\% | 3.5\% | 4.5\% | 4.5\% | 4.2\% |
| 2120 | Roxbury | 1.6\% | 1.1\% | 0.0\% | 1.4\% | Roxbury | 2.4\% | 2.7\% | 2.2\% | 2.2\% | 2.7\% | 2.0\% | 2.2\% | 2.5\% | 1.8\% | 2.1\% | 2.4\% | 1.8\% |
| 2121 | Dorchester | 2.6\% | 6.9\% | 3.6\% | 7.7\% | Dorchester | 5.2\% | 6.0\% | 4.2\% | 5.3\% | 6.0\% | 4.7\% | 5.3\% | 5.9\% | 4.8\% | 5.7\% | 6.2\% | 5.0\% |
| 2122 | Dorchester | 6.1\% | 4.9\% | 7.2\% | 4.4\% | Dorchester | 7.5\% | 7.7\% | 7.3\% | 7.6\% | 7.8\% | 7.8\% | 7.7\% | 8.0\% | 8.0\% | 7.9\% | 8.3\% | 8.7\% |
| 2124 | Dorchester | 8.2\% | 11.2\% | 8.7\% | 11.8\% | Dorchester | 10.0\% | 10.0\% | 9.7\% | 10.2\% | 10.0\% | 9.7\% | 10.6\% | 10.3\% | 10.5\% | 10.4\% | 10.5\% | 10.8\% |
| 2125 | Dorchester | 4.6\% | 6.1\% | 6.7\% | 5.9\% | Dorchester | 6.1\% | 6.3\% | 6.8\% | 6.2\% | 6.3\% | 6.8\% | 6.5\% | 6.5\% | 7.3\% | 6.4\% | 6.5\% | 7.0\% |
| 2126 | Mattapan | 2.0\% | 5.2\% | 4.1\% | 5.5\% | Mattapan | 3.4\% | 4.1\% | 2.7\% | 3.6\% | 4.1\% | 2.3\% | 3.6\% | 4.2\% | 2.5\% | 4.0\% | 4.3\% | 2.8\% |
| 2127 | South Boston | 3.3\% | 3.6\% | 2.1\% | 4.0\% | South Boston | 3.3\% | 3.2\% | 2.3\% | 3.1\% | 3.3\% | 2.3\% | 3.2\% | 3.6\% | 2.5\% | 3.2\% | 3.6\% | 2.7\% |
| 2128 | East Boston | 5.6\% | 7.7\% | 4.6\% | 8.5\% | East Boston | 9.6\% | 10.9\% | 8.3\% | 9.7\% | 11.0\% | 8.2\% | 9.9\% | 10.7\% | 8.2\% | 10.4\% | 10.7\% | 9.0\% |
| 2129 | Charlestown | 5.5\% | 3.6\% | 6.7\% | 2.8\% | Charlestown | 3.1\% | 2.7\% | 3.0\% | 2.9\% | 2.6\% | 3.0\% | 2.7\% | 2.4\% | 2.8\% | 2.7\% | 2.4\% | 2.8\% |
| 2130 | Jamaica Plain | 7.5\% | 5.5\% | 8.2\% | 4.9\% | Jamaica Plain | 5.5\% | 5.1\% | 7.3\% | 5.5\% | 5.1\% | 7.0\% | 5.4\% | 5.3\% | 6.2\% | 5.2\% | 5.3\% | 5.5\% |
| 2131 | Roslindale | 9.2\% | 6.9\% | 9.7\% | 6.2\% | Roslindale | 6.0\% | 5.3\% | 6.5\% | 6.2\% | 5.4\% | 6.8\% | 5.9\% | 5.3\% | 6.7\% | 5.7\% | 5.0\% | 6.3\% |
| 2132 | West Roxbury | 13.0\% | 7.1\% | 16.9\% | 4.6\% | West Roxbury | 6.8\% | 5.8\% | 7.7\% | 6.7\% | 6.0\% | 7.0\% | 6.6\% | 5.8\% | 6.3\% | 6.1\% | 5.6\% | 5.3\% |
| 2134 | Allston | 1.7\% | 1.1\% | 1.0\% | 1.2\% | Allston | 2.1\% | 2.1\% | 2.5\% | 2.2\% | 2.2\% | 2.5\% | 2.3\% | 2.6\% | 2.5\% | 2.4\% | 2.5\% | 2.7\% |
| 2135 | Brighton | 5.1\% | 3.0\% | 0.5\% | 3.6\% | Brighton | 4.5\% | 4.2\% | 5.2\% | 4.5\% | 4.3\% | 5.7\% | 4.4\% | 4.2\% | 5.3\% | 4.5\% | 4.2\% | 4.8\% |
| 2136 | Hyde Park | 6.5\% | 6.9\% | 4.6\% | 7.4\% | Hyde Park | 6.7\% | 6.2\% | 7.0\% | 6.8\% | 6.1\% | 7.2\% | 6.6\% | 6.1\% | 7.3\% | 6.4\% | 6.0\% | 7.5\% |
| 2163 | Allston | 0.0\% | 0.1\% | 0.0\% | 0.1\% | Allston | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 2199 | Back Bay | 0.0\% | 0.0\% | 0.0\% | 0.0\% | Back Bay | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 2210 | South Boston Waterfront | 0.2\% | 0.2\% | 0.5\% | 0.1\% | South Boston Waterfront | 0.1\% | 0.0\% | 0.0\% | 0.1\% | 0.1\% | 0.0\% | 0.1\% | 0.1\% | 0.0\% | 0.1\% | 0.1\% | 0.0\% |
| 2215 | Fenway/Kenmore | 0.8\% | 0.2\% | 0.0\% | 0.3\% | Fenway/Kenmore | 0.6\% | 0.6\% | 0.7\% | 0.7\% | 0.6\% | 0.7\% | 0.7\% | 0.6\% | 0.7\% | 0.6\% | 0.6\% | 0.7\% |
| 2467 | Chestnut Hill | 0.3\% | 0.4\% | 1.0\% | 0.3\% | Chestnut Hill | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 9999 | Homeless/DCF | Not used | 5.4\% | 4.6\% | 5.6\% | Homeless/DCF |  | Not used |  |  | Not used |  |  | Not used |  |  | Not used |  |

*NOTE: the $40 \%$ tiers qualified lottery is not able to be simulated at this time due to not having a cut-off composite score to determine students eligible for the lottery. Simulations that use the 20-40-40 methodology will display data for the $20 \%$ city rank and $40 \%$ tiers rank only.

| Race | SY20-21 <br> Invites | SY21-22 Invitees |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | $\mathbf{2 0} \%$ | $\mathbf{8 0} \%$ |  |
| Asian |  | $18 \%$ | $15 \%$ | $18 \%$ |
| Black | $13 \%$ | $23 \%$ | $14 \%$ | $25 \%$ |
| Latinx | $21 \%$ | $23 \%$ | $18 \%$ | $24 \%$ |
| Multi-Race/Other | $5 \%$ | $6 \%$ | $7 \%$ | $5 \%$ |
| White | $40 \%$ | $31 \%$ | $46 \%$ | $27 \%$ |


| Race | A. 50\% Assessment, 50\% GPA |  |  | B. 40\% Assessment, 60\% GPA |  |  | C. 30\% Assessment, 70\% GPA |  |  | D. 20\% Assessment, 80\% GPA |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 | 3. 20-80 | 4. 100 | 5. 20-40 |
| Asian | 21\% | 21\% | 25\% | 21\% | 21\% | 24\% | 21\% | 21\% | 24\% | 20\% | 20\% | 22\% |
| Black | 19\% | 21\% | 17\% | 20\% | 20\% | 18\% | 20\% | 21\% | 19\% | 20\% | 21\% | 19\% |
| Latinx | 29\% | 31\% | 24\% | 28\% | 31\% | 25\% | 30\% | 31\% | 25\% | 31\% | 32\% | 27\% |
| Multi-Race/Other | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 4\% | 5\% |
| White | 27\% | 24\% | 30\% | 26\% | 24\% | 29\% | 26\% | 24\% | 29\% | 25\% | 24\% | 27\% |

*NOTE: the $40 \%$ tiers qualified lottery is not able to be simulated at this time due to not having a cut-off composite score to determine students eligible for the lottery. Simulations that use the 20-40-40 methodology will display data for the 20\% city rank and $40 \%$ tiers rank only.

## Simulations Reminders

- The simulations can only provide a sense of what may happen with proposed changes this year and should not be interpreted as definitive results.
- The task force is proposing to include science and social studies grades, which are not incorporated into the simulations.
- The current district assessment contract is with NWEA for MAP Growth. The simulation uses ISEE scores because MAP Growth results are not available.
- Applicants for the next admissions cycle may not be distributed across the city in the same way applicants were for the SY20-21 admissions cycle.
- The grades proposed to be used (SY21-22 grades) have not yet been recorded.
- The simulations do not take into account student preference.

