# MIT-BPS HBAP Audit Scope of Work

**Evaluation Questions**

The MIT Blueprint audit of the Home Based Assignment System will address the following questions for Boston Public Schools. Specific points of interest to BPS are included under the general questions planned for the audit.

- What is the impact of HBAP on all student populations?
    - What is the average distance traveled for students by student group and neighborhood?
    - To what degree are students in need of special programming being assigned to schools that meet their programming needs?
    - Is the HBAP plan leading schools to more or less closely reflect underlying neighborhood demographic patterns?
- How did the HBAP distribute access to seats in schools by their school quality tier for all students over time?
    - Are students from certain backgrounds or neighborhoods being offered more schools of higher quality than others?
    - What is the enrollment/acceptance rate of school by tiers and student groups conditional on offers?
    - Who is attending a school that was their first choice? in their first three choices?
- What is the school quality tier seat distribution to students with disabilities, English language learners and low-income students?

To answer these questions, MIT will use the relevant BPS school quality framework tiers (based on assignment year), BPS assignment, enrollment, outcomes, and travel data.

**Deliverables and Timeline**

We anticipate that MIT will provide the BPS Research Team with a written report and a slide deck addressing these questions within 120 days of the date of the receipt of the required data that MIT does not already house (outlined below) . The report will outline the methodology used in the audit and the metrics used to measure the outcomes for the questions addressed in the report.

**Required Data**

MIT currently houses some sets of BPS and DESE data that will be necessary for the audit.
- BPS: Assignment Megafile 2010-2020.csv
- BPS: Waitlist Reports, 2014-15 through 2020-2021
- BPS: 2014-15 and 2015-16 Assignment Files, Ranked Choices, Unassigned reports
- DESE: SIMS

MIT will require updates to the following data from BPS.
- Assignment Megafile update for 2020-21 and 2021-22
- Waitlist reports for 2021-22
- Assignment files, ranked choices files, and unassigned reports for 2016-17 to 2021-22

MIT will also require the following data it does not currently have:
- HBAP Priority Rules: the priority rules used for HBAP assignments
- Eligible schools: MIT will need the set of eligible schools that each student can apply for under HBAP (the "choice menu"). We currently have round 1 and round 2 applicants' choice menu files for 2014-15; if this is the correct file, we will need it for all subsequent HBAP years.
- Student travel and transportation data: to compute the average distance traveled and any effects this has on students, MIT will need the actual transportation and bus routes for individual students.
- School quality tiers: from BPS for all schools in the relevant time period.
  - MCAS and SQF Tiers