STEM Starter Academy Annual Evaluation Report, Year 8

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STEM Starter Academy

Annual Evaluation Report—Year 8

The goal of STEM Starter Academy is to recruit, ready, retain, and graduate a diverse group of students earning STEM degrees and certificates who go on to transfer to 4-year STEM programs and/or enter the STEM workforce.

STEM Starter Academy

The Department of Higher Education (DHE) launched STEM Starter Academy (SSA) at all 15 Massachusetts community colleges in January 2014. This system-wide initiative is designed to support students through community college STEM pathway programs that result in job placement within STEM professions or transfer to university STEM programs. SSA has brought together a learning community of state initiative leaders, college program staff, and college administrators to do this work.

The initiative connects students to STEM opportunities within the larger STEM ecosystem (e.g., 4-year colleges and universities, and STEM employers) to enhance students' awareness of STEM, readiness for rigorous study, and planning for careers in the STEM workforce. Through interventions and supports aimed at increasing equity in access and outcomes for underrepresented and underserved student populations, SSA seeks to meet current and projected workforce demands.

This report

The UMass Donahue Institute (UMDI) has partnered with DHE as an external evaluator of the initiative since the program began. This report summarizes findings related to the SSA initiative's overall effectiveness in terms of key student outcomes, based on data from SSA Years 1–8 (2014–2021). These findings include descriptive data about SSA participants as well as results from rigorous statistical analyses to assess the impacts of SSA on student success. To contextualize these findings, the first part of this report provides background on the STEM workforce and an overview of the SSA initiative.

Spotlight: Key findings



Overall, 64% of SSA participants have achieved positive outcomes (degree/certificate, 4-year transfer, retention) and have achieved those outcomes at higher rates than their non-SSA peers.



Black SSA participants, Latinx SSA participants, and women SSA participants have achieved positive outcomes and earned STEM degrees and certificates at significantly higher rates than their non-SSA peers.



SSA case management improved positive outcomes one year after entry. Grantees also reported that case management helped to tether students to their community college in challenging times.

Contents

| SSA Infographicp | . 2 | | | | |
|--|-----|--|--|--|--|
| Context (STEM Workforce and COVID Pandemic) p. 4 | | | | | |
| About SSAp | . 7 | | | | |
| Findings | | | | | |
| Participant Characteristics | 11 | | | | |
| Evidence and Outcomesp. | 13 | | | | |
| | | | | | |

Context and SSA Overview

SSA at a glance: Strategies, students, impacts

SSA promotes student success through a curated program of learning experiences that are sequenced from recruitment to completion

SSA serves a diverse range of student needs, ensuring that participants are accessing:

- rigorous academic curriculum
- wrap-around supports
- campus, peer, and industry relationships

Through a set of core strategies focused on supporting students along a throughline—including case management —SSA advances students toward the goal of a career in the STEM workforce.

30,965 SSA participants through Fall 2021

of case managed students retain, transfer, or complete after one year

65%

of SSA participants

retain, transfer, or

complete after

one vear

72%

1.020 students case managed

9,571

earned degrees or certificates

14,456 received STEM pathway/career

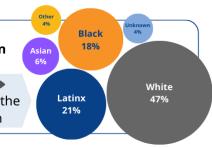
counseling



of participants were 25 years old or older when they first joined SSA

of participants were part-time students when they first joined SSA **54%** of SSA participants are women

SSA participants mirror the racial/ethnic diversity of the overall community college population



SSA Students Have Better Outcomes Than Their Peers

✓ More likely than similar peers to EARN A STEM DEGREE OR CERTIFICATE

3 times as likely







SSA overall 1.9x



Women 2.0x





Black 3.0x

This illustration shows odds ratios for earning a STEM degree or certificate among SSA participants 5-years after joining SSA, compared to similar peers. SSA participants are statistically significantly more likely to earn STEM degrees and certificates 3, 4, 5, and 6 years after joining SSA.

More likely than similar peers to have a POSITIVE EDUCATIONAL OUTCOME







Building the STEM Workforce

SSA is helping to meet a growing need for a diverse population of STEM-skilled graduates across the Commonwealth

As open-access institutions, community colleges provide a critical on-ramp and connection to STEM education and career pathways.

STEM jobs are vital to the MA economy, and demand for STEM workers will continue to grow in MA

According to a 2021 report from Commonwealth Corporation, **21% of the Massachusetts workforce is employed by STEM industry**. This exceeds the national average (14%). It is expected that this number will increase to more than 37% by 2028, with STEM jobs accounting for 40% of all job growth in the state. The projected growth rate for STEM jobs is more than double the projected rate for job growth overall.¹

It is widely known that it is important to have a diverse workforce—including a diverse STEM workforce—because diversity allows for a variety of perspectives, creativity and innovation in the workplace, and the ability to connect to a wider range of communities and consumers.

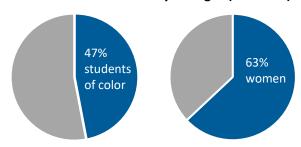
However, diversity in the MA STEM workforce is making uneven progress. At present, only 5% of STEM industry workers in MA are Black and only 6% are Latinx,² while Black and Latinx communities represent approximately 9% and 11% of the total workforce in the state, respectively.³

Structural inequities in the educational system have contributed to lack of diversity in STEM disciplines and, by extension, the STEM workforce. For example, DHE reports a 33-percentage point gap in graduation rates between White women and Latino men at MA public colleges or universities (2018).⁴ Educational institutions need to continue to adapt to support higher rates of attainment of degrees and certificates by underrepresented populations. This adaptation is key to bolstering the STEM workforce.

Community college students differ from students at 4-year colleges

Among public institutions of higher education in Massachusetts, community colleges serve the largest proportion of students of color, low-income students, women, and adult learners. Given this diversity, community colleges are a logical and essential place to invest in developing a diverse STEM workforce.

Racial/Ethnic and Gender Diversity at Massachusetts Community Colleges (Fall 2021)



By providing supports that increase retention, transfer, and completion, including among student groups underrepresented in STEM, SSA contributes to a more diverse pool of STEM-skilled graduates.

SSA fits into the STEM ecosystem by offering students the opportunity to connect to business and industry, and other parts of the educational system. Through research experiences and internships, students gain relevant STEM knowledge and skills while building relationships with industry partners. The SSA-funded 2-to-4 Year Transfer Academies help prepare transferring community college students for a successful transition to STEM programs at 4-year institutions. Similarly, SSA Summer Bridge programs connect incoming college students to community college staff, faculty, and peers, while offering an orientation to the college, STEM-related courses, and career exploration opportunities.



The COVID-19 Pandemic

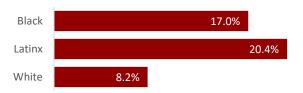
SSA's flexible and adaptive approach to supporting STEM and STEM-interested students has been well-suited for meeting students' needs during the COVID-19 pandemic

COVID impacts on the community colleges and on students are far-reaching

Enrollment at Massachusetts community colleges (and state universities) has been declining since 2013, a trend related to changing demographics in the Commonwealth.⁶ Starting in spring 2020, the COVID-19 pandemic prompted additional declines, which were especially dramatic at community colleges,⁷ where the student body is made up largely of groups disproportionally impacted by the pandemic (e.g., communities of color, low-wage workers, individuals facing food and housing insecurity). Over the seven years from fall 2012 to fall 2019, community college enrollment for degree seeking students decreased by 24%, from 100,798 to 76,327. From fall 2019 to fall 2021, enrollment decreased an additional 15%, from 76,327 to 64,988.⁸

Educators and researchers have described an increase in student disconnection resulting from the pandemic. The youth disconnection rate refers to the share of young people between the ages of 16 and 24 who are neither working nor in school, and it is calculated using US Census data. After a decade-long decline, the pandemic fueled an increase in the youth disconnection rate, nationally and in Massachusetts. The 2020 rate, which researchers assert is likely an underestimate due to pandemic-related difficulties with Census data collection, is 10.6% for MA. This represents 88,400 disconnected youth. The rate varied dramatically by race/ethnicity, with 17.0% of Black youth and 20.4% of Latinx youth disconnected, compared to 8.2% of White youth. ¹⁰

MA Youth Disconnection Rate 2020



Flexible and timely support helps keep students on track

Given these disconnection rates, the responsibility of the educational system—and community colleges in particular—to support the students who do enroll is all the more critical.

The pandemic-induced needs of enrolled community college students are wide-ranging. With the onset of the pandemic, many community college students faced significant changes in life circumstances, such as loss of income, illness, shifting family obligations, as well as food and housing insecurity. Further, in an academic sense, students faced an unexpected transition to a remote instructional format. For some, this presented challenges in terms of access to and/or engagement with (1) technology; (2) hands-on instructional activities integral to STEM learning; and (3) faculty, peers, and relevant material. Individualized supports and a flexible approach enabled continued engagement and academic progress in this context.

"SSA has helped create/maintain a culture of emphasizing the importance of STEM and STEM fields, especially during a time when students needed it—when they were disconnected. It's helped support students when they couldn't go to the lab, get hands-on experiences, do that type of work." (Roxbury)

Through SSA's flexible and adaptive policies and practices, and its use of the case-management model for supporting students from entry through to completion, SSA was well-positioned to help students connect to their community college, engage in STEM, and achieve positive outcomes.





SSA differentiates approaches to improve equity in access and outcomes

SSA is an important piece of a larger STEM ecosystem that aims to increase diversity along STEM pathways by addressing needs for student support, connection, and engagement in STEM fields of study.

Launched at-scale with local flexibility

From its system-wide launch at all 15 Massachusetts public community colleges in 2014, SSA has been committed to the core principles of flexibility for site-level adaptation, a collaborative learning community, cycles of innovation, and a focus on equity to support student success (see Appendix A for more detail).

An evolving focus

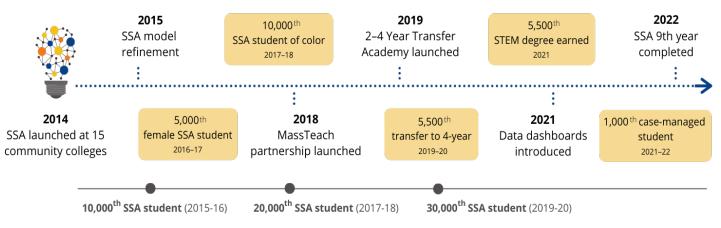
SSA's core principles have guided 9 years of program design and implementation. In Years 1-3 (Phase 1), SSA focused on recruitment into and readiness for STEM pathways and promoted community colleges as entry points to STEM careers. In Years 3-5 (Phase 2), the focus shifted to increasing retention and readying students for completion by addressing academic and non-academic factors with an emphasis on relationship-building. Beginning in Year 6, SSA transitioned to a third phase, characterized by adoption of a student-centered case management model of support. Along the way, key developments have shaped the initiative's evolution. (See timeline of some key milestones below.)

Student connection and engagement

SSA provides STEM-declared and STEM-interested community college students with a range of experiences and supports within and beyond the community college, including:

- STEM-focused bridging experiences (summer bridge-to-college programs, 2- to 4-year transfer academies)
- Academic support (math readiness activities, academic tutoring)
- Financial support (scholarships, paid internships, stipends, tuition waivers, in-kind support)
- · Cohort activities, peer mentoring
- STEM advising
- STEM pathway and/or STEM career counseling
- Career exploration and preparation (STEM-related internships, work experience with industry partners, professional mentorship, resume review sessions, networking events, speakers)
- · Research opportunities
- STEM leadership opportunities
- Case management

Timeline: Key SSA Milestones





Program Development: Case Management

The SSA community is implementing a case management model to support students from entry through graduation or transfer



Phase 3 (Year 6+): Case management and through-line

Since Year 6, SSA programs have transitioned from discrete interventions focused on recruitment, readiness, retention, and completion to case management as a strategy for connecting STEM students—or those thinking about STEM—and supporting them along a through-line from entry to completion. Having been effective at providing access, the SSA initiative moved to the next level: actively facilitating student success.

At the heart of SSA case management is a personalized, proactive, and strengths-based approach emphasizing communication and collaboration. It involves connecting students to appropriate academic and non-academic services, following up to ensure that student needs are being met, and tracking their progress.

The goal of case management is to identify and resolve barriers and challenges that inhibit student success in STEM. Personal and institutional connections and relationships central to this model help students feel integrated into the college community and engaged in the progression toward successful completion or transfer.

The flexibility and responsiveness of case management have been particularly helpful in the face of pandemic-related challenges affecting students personally and academically, including financial stress, physical and mental health needs, and a sudden transition to remote learning.

SSA case managed students were retained at even higher rates (56% vs 47%) compared to non-case-managed SSA students.

SSA case management components

SSA case management provides a comprehensive set of supports spanning the semesters and phases of a student's time at community college—including planning for the transition to the STEM workforce or further education. Implementation of the SSA case management model includes:

- ✓ Identification, development, and monitoring of an individualized student success plan with clearly established transfer and/or career goals;
- ✓ an intensive and proactive ("intrusive") advising approach, with personalized problem-solving support and guidance;
- ✓ referral to campus resources, with follow-up to ensure a connection is made;
- √ facilitated participation in STEM leadership and professional opportunities;
- ✓ community-building activities with STEM peers;
 and
- ✓ post-community-college transition support.

Case management involves advocating for students until they develop the confidence and agency to independently pursue academic and non-academic supports. It also involves following up with students who have disengaged and persistently reminding them of opportunities to reengage.

As the SSA case management model continues to evolve, it holds promise as a strategy for addressing equity gaps in STEM outcomes. Some research-based strategies included in the SSA case management model are considered particularly effective with traditionally underserved populations. For instance, research has shown that providing transparency and structure to students has led to positive results.¹¹



Program Development: Future Focus

SSA is applying proven principles to innovate amid unforeseen demands

SSA used its flexibility, adaptability, and innovation orientation to embrace hybrid service delivery and create new and effective ways to meet student need. Moreover, SSA is developing as a bridge between the realities of students and future STEM employers.

Adaptation during COVID

SSA grantees recognized "silver lining" opportunities presented amid the many challenges of COVID-19 and adapted their strategies to incorporate new offerings that will continue to serve students in the future.

"Adding more technology—texting students, using electronic calendars for students to book appointments—has been a good outcome from the pandemic." (MassBay)

Virtual/remote options for individual student meetings (advising, case management), academic supports, and speaker events increased the accessibility of these services, and grantees reported positive results.

"Positives would be increasing accessibility for our students with online classes and events and access to tutoring online. That's opened up a lot of doors for our students." (NECC)

Virtual internships are another example of a pandemicinduced alternative that is likely to last. According to SSA program staff, these internships offer more scheduling flexibility and eliminate the need to travel, providing opportunities to students who have previously been unable to fit internships into their schedules or to access transportation.

SSA grantees also learned important lessons about student needs, during a time when needs were intensified.

Because case management is inherently student-centered, grantees were committed to identifying and addressing individual needs, whether academic or non-academic.

Referral pathways were formed and strengthened, and new relationships were established across campus departments to better serve students. Case managers were patient and persistent when students lapsed.

Positioned for success in an evolving higher education landscape

SSA grantees were able to look back over the COVID-19 pandemic and reflect on how SSA survived the unexpected challenges, and how the initiative is set up for success in a post-COVID higher education context. The strengths of SSA that were evident during COVID signal promising practices for this and other initiatives: flexibility and adaptability; hybrid formats for the delivery of curriculum, enrichment, and support; and active consideration of equity and diversity at every decision point.

Readiness for industry

While operating with these features, SSA incorporated practical strategies to connect future STEM workers with business and industry. Some SSA grantees described facilitating matches between STEM students and internships or employment opportunities. Additionally, they prepared students to recognize and market their skills. For example, workshop offerings addressed soft skills, such as how to talk about relevant skills in an interview for a technical position.

SSA grantees also educated employers about the students who make up the talent pool. Employers who approached community colleges with hopes of recruiting students to increase racial diversity were advised about the realities students navigate. As one grantee described, part of a commitment to equity is ensuring internships are a good fit for students. In a successful internship relationship, for instance, the college advised the employer to begin the internship in late June, when summer camps start, so that student-parents would have childcare.





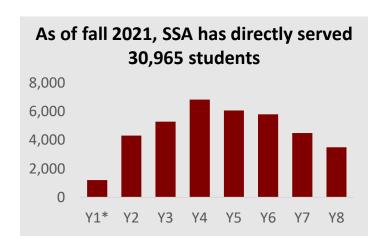
SSA Participant Characteristics

SSA participants reflect the diversity of community college students

SSA consistently serves a higher proportion of Black students compared to the community college population overall.

SSA Participation

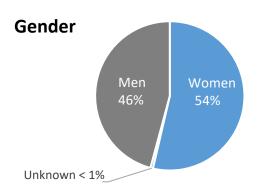
Through fall 2021, SSA directly served a total of 30,965 participants. The number of SSA participants, over the years, peaked in Year 4 of the initiative (2016-17), remained relatively steady in Year 5 and Year 6, then declined in Years 7 (2019-20) and 8 (2020-21). Contextual factors such as the COVID-19 pandemic (effects starting in spring 2020); declining college enrollment; and programmatic factors, such as a shift to the case management model (starting fall 2019), likely contributed to this decline. Despite these contextual and programmatic factors, the SSA model continued to serve STEM and STEM-interested students.



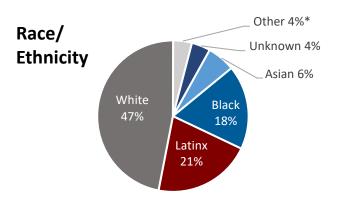
Demographic characteristics

SSA participants come from a broad range of backgrounds, lived experiences, and perspectives, into which quantitative descriptive data offer a small window. Overall, just over one-third (35%) of SSA participants are considered non-traditional aged students (not shown). These students are age 25 and older when they first participate. More than half of SSA participants (56%) attend school part time (not shown).

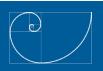
Just over half (54%) of SSA participants are women. While representation varies by year, this is important because women continue to be underrepresented in many STEM fields. ¹²



Regarding race/ethnicity, participants are generally similar to the community college population, though SSA serves a slightly larger proportion of students of color. Slightly under half (47%) of all SSA participants are White, a smaller proportion than for community college students overall. Knowing the demographic identities of SSA students is essential for tracking progress toward the initiative's goals of supporting students from entry through to completion and increasing diverse representation in the workforce.



*Includes American Indian and Alaska Native, Two or more races, and Non-resident alien



SSA Participant Characteristics

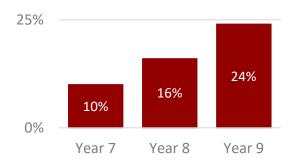
SSA case management participants reflect the diversity of SSA students and of community college students

An increasing proportion of SSA students have participated in case management over time, and these students are more likely to be STEM-at-entry than comparison groups.

Participation in case management

In fall 2019, community colleges began providing case management to students through SSA; as such, case managed students are a subset of all students served by SSA. Since fall of 2019, 15% of SSA students have been case managed through the initiative. The percentage of SSA students who were case managed increased each year, from 10% (455 students) in Year 7, to 16% (552 students) in Year 8, and to 24% (439 students) in the fall of Year 9.

SSA Case Management Participants



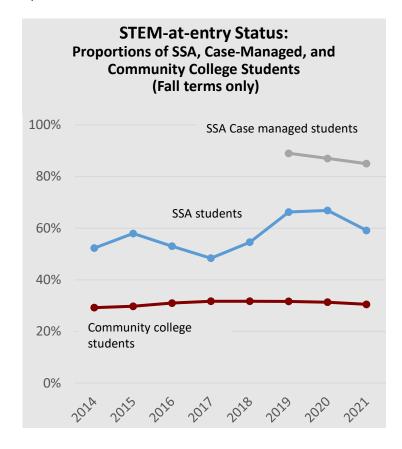
Case-managed student characteristics

In terms of race/ethnicity and age, case managed students are very similar to their SSA peers. However, case managed students are more likely to be full time than SSA students overall (53% compared to 44%). The percentage of case managed students who are women has increased over time, from 35% in Year 7 to 53% in Year 9.

STEM status

SSA was designed to serve STEM students, as well as those who are STEM-interested but may be undeclared. STEM-atentry students make up a consistently higher proportion of SSA participants than they do of the entire community college population

Among case-managed students, the overwhelming majority (85-89%) each year were STEM-at-entry. Approximately one-half to two-thirds (48-67%) of SSA participants were STEM-at-entry. Among community college students overall, approximately one-third have been STEM-at-entry over the span of the SSA initiative.





Evidence & Outcomes

SSA students have continued to advance toward higher-level outcomes despite the pandemic

Participant data were analyzed to determine the highest outcome achieved as of Fall 2021. Each SSA participant was counted once, under the highest outcome achieved by that student. "Earned degree or certificate" was considered the highest outcome. "Transferred to 4-year institution" was the second highest outcome, followed by "Retained at original CC in Fall 2021," and then "Transferred to 2-year institution." Thus, a student who transferred and then earned a degree or certificate was only counted as having earned a degree or certificate.

Table 1 shows the results of this analysis. Overall, almost two thirds (64%) of participants tracked since 2014 earned a degree or certificate, transferred to a 4-year institution, or continued their education at a community college (see "Overall" row). The percentage of students achieving the highest-level outcome peaked at six years after their first participation (Year 3 cohort, 49%), and then plateaued (Year 1 and 2 cohorts, 47% each). SSA students continued to progress toward higher level outcomes despite pandemic-era challenges.

Table 1: Highest Outcome Achieved as of Fall 2021, by Year of First SSA Participation[†]

| SSA Year First Participated | Earned degree or certificate | Transferred to 4-year institution | Retained at original CC in Fall 2021 | Transferred to 2-year institution | Total Positive Outcome Achieved | Indeterminate status |
|-----------------------------------|------------------------------|---|--|---|---------------------------------------|----------------------|
| Year 1 | 47% | 8% | 2% | 4% | 60% | 40% |
| Year 2 | 47% | 9% | 2% | 4% | 62% | 38% |
| Year 3 | 49% | 10% | 3% | 3% | 65% | 35% |
| Year 4 | 44% | 11% | 4% | 3% | 62% | 38% |
| Year 5 | 36% | 12% | 8% | 3% | 59% | 41% |
| Year 6 | 27% | 11% | 16% | 3% | 58% | 42% |
| Year 7 | 16% | 9% | 33% | 3% | 61% | 39% |
| Year 8 | 6% | 4% | 63% | 2% | 75% | 25% |
| Year 9 | 0% | 0% | 99% | 0% | 99% | 1% |
| Overall | 34% | 10% | 17% | 3% | 64% | 36% |

[†]Mutually exclusive outcomes are listed from left to right in order of priority (e.g., "earned a degree or certificate" is considered a higher outcome than "transferred to 4-year institution"). Some primary participants are not trackable (i.e., are not found in HEIRS). This includes those who do not have an SSN, and those who were assigned a student ID number but had not registered for a course.¹³

Methods note: Quasi-experimental modeling procedures

In addition to completing descriptive analyses like those in Table 1, UMDI evaluated the effectiveness of the SSA intervention using a rigorous, quasi-experimental comparison group design. These statistical analyses compared the outcomes of SSA participants with those of similar students who did not participate in the intervention. The methodology used ensured that pre-intervention differences in characteristics between SSA participants and non-participants—including STEM at entry status—were taken into account. A full description of quantitative methods is included in Appendix B.

Two outcomes were assessed using this design:

- Positive educational outcomes—a broad measure of student progress and retention that includes those who were retained, completed, transferred to a 4year institution, or joined the STEM workforce.
- STEM degree and certificate earning at 2-year and 4year institutions—an important measure of success that is part of the SSA initiative goals.

Results from these analyses are discussed on the following two pages.



Evidence & Outcomes

SSA participants have achieved positive outcomes at higher rates than their peers, at all time points and across nearly all student groups

Overall and student group results



SSA participants were statistically significantly more likely than their peers to achieve a positive outcome at every time point assessed (1, 2, 3, 4, 5, and 6 years after entry).

Data for various student groups were also analyzed, as shown in Table 2. Student groups were based on **STEM** at entry status, **SSA** supports received, race/ethnicity, and gender. Assessing the statistical significance of modeling results allows for more certainty that the demonstrated impacts are not due to chance alone.

Across all but one student group, **SSA**participants out-achieved their peers to a

statically significant degree

at multiple time points.

Spotlight: Positive outcomes and equity



Advancing racial equity by supporting students of color to progress and complete their education is an important goal of the SSA initiative.

Black and Latinx SSA participants achieved positive outcomes at higher rates than Black and Latinx students not in SSA at each time point that could be assessed (1, 2, 3, 4, and 5 years after entry). This represents improvement compared to earlier analyses, when Latinx SSA participants at longer follow-up periods were not statistically significantly more likely to achieve a positive outcome. However, Asian SSA participants were only statistically significantly more likely to achieve a positive outcome 1 year after entry.¹⁴

Table 2: Students Achieving Positive Outcomes 1 to 6 Years After Entry SSA vs. Non-SSA, by Student Group, with Model Results $^{\gamma}$

| | 1 Year | r After | 2 Year | s After | 3 Year | s After | 4 Years After 5 Years After | | 6 Years After | | | |
|-------------------|--------|---------|------------|-----------|--------|---------|-----------------------------|--------------------|---------------|------------|------------|-----------|
| Student Groups | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA |
| All Students | 65%*** | 56% | 55%*** | 44% | 52%*** | 40% | 53%*** | 40% | 56%*** | 41% | 58%** | 42% |
| STEM at Entry | 67%*** | 55% | 58%*** | 44% | 53%*** | 39% | 54%*** | 39% | 55%** | 40% | 58%* | 41% |
| Not STEM at Entry | 63%*** | 53% | 52%*** | 44% | 50%*** | 40% | 53%*** | 39% | 57%*** | 40% | 61%*** | 43% |
| SSA Aid | 69%*** | 56% | 60%*** | 44% | 55%*** | 40% | 58%*** | 40% | 63%*** | 41% | 64%*** | 36% |
| SSA Extra Support | 69%*** | 56% | 58%*** | 44% | 55%*** | 40% | 56%** | 40% | Did Not | Converge | 60%** | 43% |
| SSA Counseling | 69%*** | 56% | 61%*** | 45% | 58%*** | 40% | 60%*** | 40% | 64%*** | 41% | 63%*** | 43% |
| SSA Case Managed | 72%** | 55% | Insufficie | nt Sample | | | | Data Not Available | | | | |
| Low Dose | 73%*** | 55% | 57%*** | 43% | 53%*** | 39% | 54%** | 37% | | Insufficie | nt Sample | |
| Not Low Dose | 60%*** | 56% | 49%*** | 43% | 46%*** | 39% | 49%*** | 39% | | Insufficie | nt Sample | |
| Asian | 70%* | 60% | 59% | 50% | 57% | 46% | | | Insufficie | nt Sample | | |
| Black | 62%*** | 53% | 54%*** | 42% | 48%*** | 36% | 56%*** | 33% | 54%* | 34% | Insufficie | nt Sample |
| Latinx | 60%*** | 49% | 49%*** | 37% | 48%*** | 33% | 45%*** | 32% | 48%*** | 30% | Insufficie | nt Sample |
| White | 68%*** | 60% | 59%*** | 48% | 55%*** | 45% | 55%* | 44% | 58%* | 45% | 62% | 38% |
| Men | 64%*** | 53% | 55%*** | 41% | 51%*** | 37% | 50%*** | 36% | 54%*** | 36% | 57%* | 38% |
| Women | 66%*** | 59% | 55%*** | 47% | 53%*** | 43% | 57%*** | 44% | 59%** | 44% | 63%* | 37% |

 $^{^{\}gamma}$ First-time students registered at their institutions in a fall term and enrolled either full or part time. SSA participants include those who first participated in SSA in summer or fall. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).





Evidence & Outcomes

SSA students, including Black students, Latinx students, and women, earned STEM degrees and certificates at higher rates than their peers

Overall and student group results



SSA participants were statistically significantly more likely than their peers to earn a STEM degree or certificate from a 2- or 4-year institution at 3, 4, 5, and 6 years after entry, as shown in Table 3.

Across twelve student groups (excluding Case Managed, Asian, and White), STEM degree or certificate attainment was statistically significantly higher for SSA participants than for non-participants at multiple time points.

For STEM-at-entry students, those who participated in SSA earned STEM degrees or certificates at higher rates than those who did not participate. Differences were statistically significant 3, 4, 5, and 6 years after entry.

Spotlight: Critical successes in STEM completion



Results for STEM degrees and certificates were positive and significant for three groups typically underrepresented in STEM:

<u>Black SSA participants</u> earned STEM degrees and certificates at higher rates than their non-SSA peers 2, 3, 4, and 5 years after entry.

<u>Latinx SSA participants</u> earned STEM degrees and certificates at higher rates than their non-SSA peers 3, 4, and 5 years after entry.

<u>Women SSA participants</u> earned STEM degrees and certificates at higher rates than their non-SSA peers 3, 4, and 5 years after entry.

Table 3: Students Earning STEM Degrees and Certificates 2 to 6 Years After Entry SSA vs. Non-SSA, by Student Group, with Model Results $^{\gamma}$

| | 2 Year | s After | 3 Year | s After | 4 Year | s After | ter 5 Years After | | 6 Years After | |
|-------------------|-------------------------|---------|--------|---------|--------|----------|------------------------------|------------|---------------|-----------|
| Student Groups | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA | SSA | non-SSA |
| All Students | 5% | 2% | 10%* | 4% | 16%** | 5% | 20%** | 7% | 19%* | 8% |
| STEM at Entry | 8% | 7% | 15%* | 10% | 22%** | 14% | 27%** | 17% | 27%* | 19% |
| Not STEM at Entry | 1% | 0% | 3%*** | 1% | 6%*** | 2% | 6%*** | 3% | 6% | 4% |
| SSA Aid | 10%** | 3% | 16%*** | 4% | 22%*** | 6% | 26%*** | 7% | 25%* | 9% |
| SSA Extra Support | 6% | 2% | 11%* | 4% | 17%** | 5% | Did Not Converge 19% 9% | | | 9% |
| SSA Counseling | 8%** | 2% | 15%*** | 4% | 22%*** | 6% | 26%*** | 7% | 26%*** | 8% |
| SSA Case Managed | ged Insufficient Sample | | | | | Data Not | Available | | | |
| Low Dose | 6% | 2% | 12%** | 4% | 19%* | 6% | | Insufficie | nt Sample | |
| Not Low Dose | 6%** | 2% | 9%*** | 4% | 13%*** | 6% | | Insufficie | nt Sample | |
| Asian | 8% | 3% | 11% | 5% | | | Insufficie | nt Sample | | |
| Black | 3%** | 1% | 9%** | 3% | 15%* | 4% | 19%* | 4% | Insufficie | nt Sample |
| Latinx | 4% | 2% | 9%* | 3% | 14%*** | 4% | 17%** 5% Insufficient Sample | | nt Sample | |
| White | 7% | 3% | 10% | 4% | 16% | 6% | 20% | 8% | 19% | 9% |
| Men | 7% | 3% | 12% | 4% | 17%* | 5% | 21%* | 7% | 22%* | 8% |
| Women | 4% | 2% | 8%*** | 3% | 14%*** | 5% | 18%*** | 7% | 15% | 8% |

 $^{^{\}gamma}$ First-time students, registered at their institutions in a fall term, beginning with Year 3 of the initiative. For 2 Years After, only full-time students are included; all other years include part-time and full-time. SSA participants include those who first participated in SSA in summer or fall. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).



SSA has been effective in addressing the initiative's goals

STEM Starter Academy was designed as a flexible and adaptive initiative to enable community colleges to bolster the STEM workforce in Massachusetts. Since its launch at all 15 Massachusetts community colleges in 2014, SSA has served over 30,000 students. Just over half of these students have been women, and half have been students of color.

Analyses based on data collected through Year 8 of implementation suggest that SSA has been effective in addressing the initiative's goals: SSA participants have achieved positive outcomes and earned STEM degrees and certificates at statistically significantly higher rates than similar non-participating peers. This is true for various student groups as well, including Black, Latinx, and women participants.

SSA is supporting growth in the number of STEM degree and certificate holders in Massachusetts at a time when STEM industry employs 21% of the Massachusetts workforce, and the projected growth rate for STEM jobs is more than double the projected rate for job growth overall. It is worth emphasizing that SSA participants and completers are more diverse than Massachusetts' current STEM workforce, with greater representation of women and people of color. As such, SSA is responding to the Commonwealth's goal for a more diverse STEM workforce; one that reflects its diverse constituents and communities.



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- 13. Joining the STEM workforce is not included as a positive outcome in Table 1 due to the limited availability of these data. DHE will continue to explore options for assessing this outcome.
- 14. For Asian students, results from Year 2 and Year 3 are positive but not statistically significant.
- 15. See End Note 1.

STEM Starter Academy

Year 8 Evaluation Report Appendices

STEM Starter Academy Year 8 Evaluation Report Appendices: Table of Contents

| Appendix A: Core Principles and Program Development | 1 |
|---|----|
| Appendix B: Glossary of Terms | 4 |
| Appendix C: Quantitative Methods | 7 |
| Appendix D: STEM Starter Academy Participant Data | 10 |

Appendix A: Core Principles and Program Development (excerpted from Year 6 SSA Evaluation Report)



Core Principles

At-scale launch, local adaptation, and collaboration foster innovation

Through a combination of system-level leadership, multi-site collaboration, and local flexibility, the SSA initiative has fostered a unique context in which innovations at the system and institution levels inform one another. This allows for the testing, adaptation, and replication of best practices to support student success.

Launched at-scale with local flexibility

DHE launched SSA simultaneously across all 15 Massachusetts public community colleges in 2014. The initiative's design included both system-wide guiding principles and flexibility for local site-level adaptation, elements supported by research on best practices for scaling educational reforms. ²⁵

Cycles of innovation

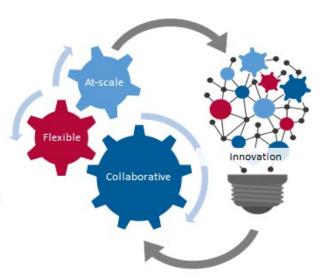
Iterative innovation has been an important part of SSA from its inception. In the original RFP, DHE encouraged SSA sites to test innovative strategies in order to "refine the definition and implementation of the STEM Starter Academy as a model of student success across the Massachusetts community college system." 26

Attending to equity

The SSA community has come to recognize that engaging with equity is key to supporting community college student success. This is especially true in STEM fields, which pose particular access challenges for students who have been in underserved educational settings. As SSA has evolved, the initiative's design and implementation have been increasingly attentive to issues of equity and diversity.

"We need a robust workforce that reflects our core strengths as a Commonwealth—diverse, well educated, innovative and collaborative. SSA provides all students, statewide, the opportunity to access, grow, and thrive through STEM."

David Cedrone, Associate Commissioner of Workforce Development, DHE



Collaborative learning community

From the beginning, SSA has been a collaborative endeavor. Representatives from the 15 institutions regularly convene to share information about practices, resources, and insights into implementation.

This learning community has persisted for 6 years, providing continuity to the initiative and sustaining connections between institutions. SSA institutions, through participation in working groups, have also advised DHE on initiative design, implementation, and evaluation.

When combined with flexibility for local adaptation, this kind of collaboration supports a positive feedback loop between design and implementation that is key to successful reform—with benefits that accrue both to the participants and their serving institutions.²⁷



Program Development

Over time, SSA has evolved through an iterative process of learning, evaluation, and application

From the outset, DHE envisioned that a collaborative SSA community would continue to refine the STEM Starter Academy as a model for promoting student success.



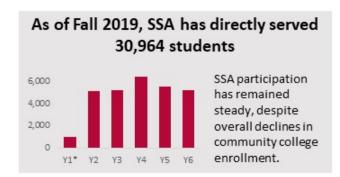
Phase 1 (Years 1-3): Recruitment and readiness

In the early years, SSA implementation focused broadly on recruitment into and readiness for STEM pathways. This was key, as students considering and attending community college are less likely than their 4-year counterparts to have been exposed to a wide array of occupational choices within STEM fields.²⁸

SSA sites worked to **build interest in and awareness of STEM** fields—and specifically to raise awareness of
community colleges as entry points to STEM careers.
Practices included high school outreach, hands-on
challenge events, and visits to college laboratory spaces.

Building readiness for college and for STEM involved programming such as STEM-focused summer bridge-to-college programs and math readiness activities—practices that the literature suggests can help smooth students' transition from high school to college.²⁹

In an effort to bolster recruitment, SSA developed relationships, reputations, and name recognition within their institutions and in their surrounding communities.





Phase 2 (Years 3–5): Retention and relationships

In Years 3–5, SSA programs turned their focus to increasing retention and readying students for completion. This focus included attention to both academic and non-academic factors.

To support student persistence, SSA sites emphasized building relationships to connect students to each other and to faculty, program administrators, and support resources. 30 Practices included, for example, cohort activities, leadership opportunities, and chances for casual interaction with peers, faculty, and staff.

Cultivating a sense of belonging—
specifically conveying a sense of being
known and cared about by institutional
actors—can be particularly important
for retaining underrepresented
students in STEM fields.31

Acknowledging that money is often a factor in college student attrition, some SSA programs offered financial support to participants, through scholarships, paid internships, stipends, tuition waivers, or in-kind help.³²

To prepare students for career and transfer, sites created or connected students to internships, research opportunities, and professional mentorships. ³³ They also offered resume review sessions, networking events, field trips, and 2- to 4-year transfer academies.



Program Development

The SSA learning community is developing its latest innovation: a focus on supporting students along a through-line from entry to completion



Phase 3 (Year 6+): Case management and through-line

Beginning in Year 6, DHE began developing a case management model that would transition SSA programs from discrete interventions focused on particular elements of a student's academic trajectory (recruitment, readiness, retention, completion) to a model with a core focus on supporting a set of students along a throughline from entry to completion.

The introduction of this model marked a data-driven change in emphasis and practice for SSA. At launch, SSA focused on filling gaps in services for students at individual points along their paths from entry to completion. By the end of Year 5, SSA data showed that the majority of participants (over 75%) had been actively engaged with SSA for only a single term. Based on such findings and on STEM completion data, DHE and the SSA community broadened that original focus, embracing a model that ensures supportive connections at every point along a student's trajectory (see page 11).

In depth connections and relationships inherent in this model help students feel integrated in the college community. This may be particularly helpful for nontraditional students—and especially for those who are floundering in the current circumstances being shaped by the COVID-19 pandemic.

The SSA Case Management model is sustained, strategic, and personalized—features that the literature suggests helps students have better long-term outcomes.³⁴

Spotlight: SSA case management

At the heart of the SSA case management model is an intensive approach to supporting community college STEM students—or those thinking about STEM—and connecting them to appropriate academic and non-academic services. The goal of the model is to identify and resolve barriers and challenges that inhibit student success in STEM and to support students from entry through to completion. Both the model and its implementation are in their early stages.

In fall 2019, DHE began collaborating with SSA colleges to identify core elements of its case management model. In its prototypical form, this model includes:

- ✓ the identification of an academic pathway (with clearly established career or transfer goals);
- √ the development and monitoring of an academic plan;
- ✓ monitoring math and gateway course completion;
- participation in STEM professional or STEM leadership opportunities;
- √ community-building activities with peers; and,
- √ post-community-college support.

As the SSA case management model continues to evolve, it holds promise as a strategy for addressing equity gaps in STEM outcomes. Some research-based strategies included in the SSA case management model are considered particularly effective with traditionally underserved populations. For instance, research has shown that providing transparency and structure to students has led to positive results.³⁵

Appendix B: Glossary of Terms

| First-time student | Student that is new to an institution and has never enrolled previously in an institution of higher education. |
|-------------------------|--|
| Full-time student | Student enrolled 12 credit hours or more in the Fall term. |
| HEIRS ID | ID assigned by DHE used to track student enrollment, transfer, and completion. This is not the same as the institutional ID. |
| Low Dose | Student participated in fewer than 6 hours of SSA-related activities in any term. |
| Part- time student | Student enrolled in 1–11 credit hours during the Fall term. |
| Positive outcome | Completed a degree/certificate, transferred to a 4-year institution, joined the STEM workforce, or was "retained" (i.e. still enrolled in the community college). Students who transferred to another 2-year institution are excluded from this metric. |
| Quasi-experimental | Please refer to Appendix C (Quantitative Methods). |
| Similar non-participant | Student that did not participate in SSA activities but has similar demographics as SSA participants who joined SSA in the fall or summer as a first-time, full-time freshman (gender, race/ethnicity, STEM status at time of admission, and college-math-ready status at time of admission). |
| SSA Aid | SSA-subsidized financial support (e.g., grant, stipend, tuition or fee waiver). |
| SSA Case Managed | SSA-subsidized case management support that is provided to students during their remaining time at the community college. Case management includes a cohesive set of supports that includes at least one service from each of the following categories: Academic Advising, Academic Success, Post-graduate Success, STEM Community, and STEM Support/Leadership. |
| SSA Counseling | SSA-related targeted STEM pathway and/or STEM career counseling. |
| SSA Extra Support | SSA-related extra or targeted supports (e.g., academic tutoring, peer mentoring). |

| SSA Group 1–3 participant | Community college student who participates in STEM Starter Academy grant-funded programs/events/activities (i.e., participant who has an ID number assigned by their college). |
|---------------------------|---|
| SSA Group 4 participant | Individual who is not currently enrolled at a community college and participates in STEM Starter Academy grant-funded programs/events/activities (i.e., participant who does not have an ID number assigned by his/her college). In some cases, students with college IDs may be considered Group 4 participants, if their engagement with SSA-funded activities is limited. For example, current students might have contact with SSA only during a classroom recruitment visit or an email blast. This could also include students who participate in a STEM class that was made accessible online through the use of SSA funds or that used software or materials supported with SSA funds (e.g. Labster, science kits) but that did not benefit from other SSA programming. |
| SSA Years | Year 1 includes Spring and Summer 2014; Year 2 includes Fall 2014 and Spring and Summer 2015; Year 3 includes Fall 2015 and Spring and Summer 2016; Year 4 includes Fall 2016 and Spring and Summer 2017; Year 5 includes Fall 2017 and Spring and Summer 2018; Year 6 includes Fall 2018 and Spring and Summer 2019; Year 7 includes Fall 2019 and Spring and Summer 2020; and Year 8 includes Fall 2020 and Spring and Summer 2021. Year 9 includes Fall 2021 (and this is the latest available data) and will run through Summer 2022. |
| Statistical Analysis | Systematic analysis of data used to make inferences and identify trends and impacts. To be distinguished from descriptive analysis, which summarizes data. |
| Statistical Significance | A result has statistical significance when it is very unlikely to have occurred by chance. |
| STEM | DHE identified 12 general fields of study as STEM areas and their related CIP codes. These areas include: agriculture, architecture, biological and biomedical sciences, computer and information sciences, engineering, health professions, mathematics, mechanical and repair technologies, military technologies/technicians, physical sciences, precision production, and science technologies/technicians. Each year (starting in Year 4) UMDI and DHE work with SSA colleges to refine the definition to capture all programs that fall under these 12 general fields, regardless of CIP codes. |
| STEM at entry status | For SSA students, being "STEM at entry" means the student had a declared STEM major, based on SSA or HEIRS data sources, at the time they first participated in SSA; for non-SSA students, "STEM at entry" means the student had declared a STEM major, based on HEIRS data, at the time they first enrolled at the community college. |

| STEM degree/certificate | Student earned a degree or certificate in a STEM field from their home institution within the specified time period (1, 2, 3, or 4 years from initial SSA participation (for SSA students) or initial enrollment to the college (for non-SSA students)). |
|-------------------------|---|
| STEM students | This includes students that either (1) enrolled in a STEM program when they were admitted into an institution or (2) students who were subsequently indicated to be in a STEM major in HEIRS or the SSA data collection. |
| STEM workforce | Student reported joining the workforce in a STEM field, based on their exit survey, within the specified time period (1, 2, 3, or 4 years from initial SSA participation (for SSA students) or initial enrollment to the college (for non-SSA students)). |

Appendix C: Quantitative Methods

Differences in treatment and comparison group students were assessed using a quasi-experimental matched comparison group design. Multi-level mixed-effect logistic regression analyses were conducted to assess the impact of participation on two outcomes—any positive educational outcome (i.e., graduation, retention, transfer to a 4-year institution, joining the STEM workforce), and STEM graduation/program completion status—where students were nested within sites. Carefully selected covariates were included in each analysis to minimize the potential for bias. These covariates included gender, race/ethnicity, and STEM status at time of admission. This design enabled strong inferences about the performance of students who participated in the intervention as compared to the expected level of student performance in the absence of the intervention.

Students were not randomly assigned to the intervention. Each site applied its own criteria to assign students to treatment. Therefore, it is likely that there were pre-intervention differences between participating students and non-participating students. In order to avoid a significant threat (i.e., selection bias) to the validity of the study's findings. To reduce these differences substantially, propensity score weighting procedures were used, thereby improving the validity of the estimates of program impacts.

In total, 465 models—comparing SSA participants to non-participants—were analyzed. For all of the models assessed in this study, propensity score weighting results were within the parameters specified in the U.S. Department of Education's What Works Clearinghouse "Standards Handbook Version 4.1" (2020). To analyze program impacts data were pooled across years, reflecting an assumption that the effects of participation in SSA were similar across years of the study.

Sample selection

Effects of participation were assessed one, two, three, four, five, and six years after initial participation. Depending on the time period and outcome indicator, different groups of students were included in the analyses. Specifically:

- 1. Positive outcomes (i.e., graduation, retained at same institution, transferred to a 4-year institution, joined STEM workforce) were assessed one, two, three, four, five, and six years after initial entry into SSA. Outcomes for students who joined SSA in the summer or fall of 2015, 2016, 2017, 2018, 2019, and 2020 as first-time, degree-seeking freshmen (and that were enrolled full- or part-time) were compared to similar students who did not participate in the intervention. Students were included in analyses at different time periods if sufficient time had passed since their first enrollment; for example, only students who joined SSA as first-time freshmen in the summer or fall of 2015 were included in the sample used to determine outcomes six years after joining SSA.
- 2. STEM Degree/Certificate status was assessed two, three, four, five, and six years after initial entry. Outcomes for students who joined SSA in the summer or fall of 2015, 2016, 2017, 2018, and 2019 as first-time, degree-seeking freshmen (who were also enrolled full-time) were compared to similar students who did not participate in the intervention. Students were included in analyses at different time periods if sufficient time had passed since their first

enrollment; for example, only students who joined SSA as first-time freshmen in the summer or fall of 2015 were included in the sample used to determine outcomes six years after joining SSA.

Analyses included students who joined SSA as first-time freshmen in the summer or fall of the years 2015–2020 as follows:

| Cohort | Sample Size for | Sample Size for |
|------------|----------------------------|-------------------------------|
| | Positive Outcomes Analyses | STEM Degrees and Certificates |
| | (Full- or Part-time) | (Full-time) |
| 2015 | 131 | 101 |
| 2016 | 621 | 431 |
| 2017 | 605 | 415 |
| 2018 | 662 | 424 |
| 2019 | 711 | 478 |
| 2020 | 769 | 537 |
| Comparison | 73,267 | 43,277 |

The comparison sample when conducting analyses of positive outcomes included all 73,267 students who were full- or part-time first-time freshmen at the same institutions during the fall of 2015, 2016, 2017, 2018, 2019, and 2020 that did not participate in SSA. Analyses of STEM degrees and certificates drew from a comparison sample of 43,277 students who were full-time first-time freshmen at the same institutions during the same time period as above and did not participate in SSA. When possible, students from all 15 sites were included in the analyses.

Each site applied their own recruitment and selection criteria to identify students for participation in SSA: in other words, students were not randomly assigned. To minimize any differences that may have existed between the treatment and comparison groups prior to the intervention, rigorous propensity-score-weighting procedures were used to weight each of the comparison students according to their similarities with the treatment group.¹

Description of modeling procedures

Mixed-effects logistic regression models were developed to assess the impact of the intervention on the likelihood of achieving a positive educational outcome (graduation/completion, retained, transferred to 4-year, or joined STEM workforce). Mixed-effects logistic regression contains both fixed effects and random effects. The following equation represents the general modeling procedure:

$$Y_{ij} = \theta_0 + \theta_1(Participant_{ij}) + \theta_2(Asian_{ij}) + \theta_3(Black_{ij}) + \theta_5(Hispanic_{ij}) + \theta_6(White_{ij}) + \theta_7(Male_{ij}) + \theta_8(STEM_at_time_of_admin_{ij}) + u_{0j} + e_{ij}$$

For $i = 1, ..., n_j$ students, and j = 1, ..., 15 sites.

Random effects were included to account for site and individual student effects by adding a random error term for each site (u_i) , and individual observations (e_{ij}) . θ_0 represents the intercept. The coefficients

Rubin, Donald B. (2001). Using propensity scores to help design observational studies: Application to the tobacco litigation. *Health Services & Outcomes Research Methodology 2* (3), 169–188.

 θ_1 through θ_8 represent the fixed effects of a given covariate on the outcome (Y_{ij}) .

For this study, the coefficient of greatest interest was θ_1 , which represents the estimated impact of program participation on students' performance on the outcome of interest. Outcomes of interest included any positive educational outcome (i.e., graduation, retention, transfer) one, two, three, four, five, and six years after joining SSA, and STEM graduation status two, three, four, five, and six years after joining SSA.

Outcomes (i.e., values for Y_{ij}) were binary, and multi-level logistic regression analyses were conducted.

Appendix D: STEM Starter Academy Participant Data

| Table 4: SSA Participant and Event Count by Term and Year 11 | Table 13A: Fall to Fall Retention of Full Time, First Time Degree Seeking Students (SSA Participants and |
|---|--|
| Table 4A: SSA Participant and Event Count by Institution, Term, and Year 12 | Community College Students) by Institution 74 Table 14: Student Status at Point of Entry to SSA by Year |
| Table 5: STEM Status at Entry for Full and Part Time Community College Students 20 | of First Participation 75 Table 14A: Student Status at Point of Entry to SSA by |
| Table 5A: STEM Status at Entry for Full and Part Time | Year of First Participation and Institution 76 |
| Community College Students by Institution 21 | Table 15: Number of SSA Participants Earning Degrees and Certificates by Year of First Participation 81 |
| Table 6: STEM Status at Entry for Full and Part Time SSA Participants 25 | Table 15A: Number of SSA Students Earning Degrees |
| Table 6A: STEM Status at Entry for Full and Part Time SSA Participants by Institution 26 | and Certificates, by Institution and Year of First Participation 82 |
| Table 7: Number of Students in the Community College STEM Pipeline 27 | Table 16: Annual Number of STEM Degrees and Certificates Earned by All Community College Students 86 |
| Table 8: SSA Participants' Service Descriptions by Year and Term 31 | Table 16A: Annual Number of Degrees and Certificates (Both STEM and Non-STEM) Earned by All |
| Table 8A: SSA Participants' Service Descriptions by Institution, Year, and Term 32 | Community College Students 86 |
| Table 9: SSA Participant Race/Ethnicity by Year of Participation 40 | Table 16B: Annual Percentages of Degrees and Certificates Earned by All Community College Students in STEM Fields 87 |
| Table 9A: SSA Participant Race/Ethnicity by Institution and Year of Participation 41 | Table 17: Students Achieving Positive Outcomes 1 to 5 Years After Entry, SSA Participants vs. Non-SSA, |
| Table 10: SSA Participant Gender by Year of Participation 45 | by Subgroup 88 Table 17A: Students Achieving Positive Outcomes 1 to 5 |
| Table 10A: SSA Participant Gender by Institution and Year of Participation 46 | Years After Entry, SSA Participants vs. Non-SSA, by Institution 89 |
| Table 11: SSA Participant Age by Year of Participation 51 | Table 18: Students Earning STEM Degrees or Certificates 2 to 6 Years After Entry, SSA Participants vs. Non-SSA, by Subgroup 90 |
| Table 11A: SSA Participant Age by Institution and Year of Participation 52 | Table 8A: Students Earning STEM Degrees or |
| Table 12: Fall 2021 Progress and Completion Rates for SSA Participants, by SSA Starting Term 57 | Certificates 2 to 6 Years After Entry, SSA Participants vs. Non-SSA, by Institution 90 |
| Table 12A: Fall 2021 Progress and Completion Rates for SSA Participants, by Institution and SSA Starting | Table 19: Students Achieving Positive Outcomes 1 to 5 Years After Entry, Summer SSA Participants vs. Non-SSA, by Institution 91 |
| Term 68 Table 13: Fall to Fall Retention of Full-Time, First-Time Degree Seeking Students (SSA Participants and Community College Students) 73 | Table 20: Students Earning STEM Degrees or Certificates 2 to 6 Years After Entry, Summer SSA Participants vs. Non-SSA, by Institution 92 |

| | Table 4: SSA Participant and Event Count by Term and Year | | | | | | | |
|----------|---|--|--|-----------------------|--|--|--|--|
| SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities | | | | |
| Year 1 | Spring 2014 | 448 | 5,662 | 173 | | | | |
| rear 1 | Summer 2014 | 786 | 2,545 | 49 | | | | |
| | Fall 2014 | 2,140 | 1,741 | 56 | | | | |
| Year 2 | Spring 2015 | 2,263 | 5,018 | 156 | | | | |
| | Summer 2015 | 999 | 1,742 | 40 | | | | |
| | Fall 2015 | 2,213 | 4,192 | 100 | | | | |
| Year 3 | Spring 2016 | 2,472 | 6,161 | 187 | | | | |
| | Summer 2016 | 1,710 | 2,237 | 76 | | | | |
| | Fall 2016 | 2,773 | 4,649 | 305 | | | | |
| Year 4 | Spring 2017 | 4,151 | 5,779 | 246 | | | | |
| | Summer 2017 | 1,518 | 3,083 | 80 | | | | |
| | Fall 2017 | 2,593 | 3,745 | 112 | | | | |
| Year 5 | Spring 2018 | 3,065 | 6,521 | 205 | | | | |
| | Summer 2018 | 1,551 | 2,505 | 107 | | | | |
| | Fall 2018 | 2,835 | 5,129 | 141 | | | | |
| Year 6 | Spring 2019 | 2,995 | 5,317 | 202 | | | | |
| | Summer 2019 | 1,120 | 1,074 | 65 | | | | |
| | Fall 2019 | 2,495 | 2,897 | 104 | | | | |
| Year 7 | Spring 2020 | 1,807 | 3,661 | 113 | | | | |
| | Summer 2020 | 1,313 | 592 | 33 | | | | |
| | Fall 2020 | 1,687 | 1,395 | 82 | | | | |
| Year 8 | Spring 2021 | 1,646 | 3,066 | 162 | | | | |
| | Summer 2021 | 1,318 | 853 | 65 | | | | |
| Year 9 | Fall 2021 | 1,313 | 1,719 | 141 | | | | |
| | Total | 30,965 | 81,283 | 3,000 | | | | |

^{*}Total for Group 1–3 (Primary) participants is the total number of unique participants over the lifetime of the program. Group 4 (Secondary) participants cannot be tracked and may include dupilcates within and between terms.

| | Table 4A: SS | A Participant and Eve | nt Count by Institution, To | erm, and Year | |
|-------------|--------------|----------------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Veen 1 | Spring 2014 | 0 | 84 | 26 |
| | Year 1 | Summer 2014 | 21 | 144 | 5 |
| | | Fall 2014 | 67 | 343 | 15 |
| | Year 2 | Spring 2015 | 28 | 178 | 17 |
| | | Summer 2015 | 32 | 0 | 0 |
| | | Fall 2015 | 66 | 702 | 25 |
| | Year 3 | Spring 2016 | 68 | 676 | 14 |
| | | Summer 2016 | 47 | 56 | 4 |
| | | Fall 2016 | 61 | 435 | 16 |
| | Year 4 | Spring 2017 | 65 | 739 | 36 |
| | | Summer 2017 | 99 | 244 | 1 |
| | | Fall 2017 | 110 | 475 | 12 |
| Berkshire | Year 5 | Spring 2018 | 158 | 738 | 30 |
| | | Summer 2018 | 105 | 0 | 0 |
| | | Fall 2018 | 109 | 467 | 24 |
| | Year 6 | Spring 2019 | 119 | 473 | 55 |
| | | Summer 2019 | 69 | 185 | 3 |
| | | Fall 2019 | 68 | 651 | 26 |
| | Year 7 | Spring 2020 | 47 | 89 | 15 |
| | | Summer 2020 | 48 | 0 | 0 |
| | Year 8 | Fall 2020 | 61 | 16 | 16 |
| | | Spring 2021 | 57 | 380 | 24 |
| | | Summer 2021 | 84 | 16 | 4 |
| | Year 9 | Fall 2021 | 102 | 497 | 37 |
| | rear 9 | | | | |
| | Year 1 | Spring 2014 Summer 2014 | 13 76 | 392 | 11 |
| | | | | 219 | 10 |
| | Year 2 | Fall 2014 | 59 | 348 | 10 |
| | Teal 2 | Spring 2015 | 71 | 422 | 20 |
| | | Summer 2015 Fall 2015 | 81 | 279 | 3 |
| | Year 3 | | 52 | 245 | 6 |
| | real 5 | Spring 2016 | 108 | 727 | 25 |
| | | Summer 2016 | 142 | 147 | 8 |
| | Year 4 | Fall 2016 | 97 | 482 | 16 |
| | rear 4 | Spring 2017 | 116 | 533 | 15 |
| | | Summer 2017 | 156 | 170 | 9 |
| Bristol | Year 5 | Fall 2017 | 96 94 | 418 | 14 |
| | real 5 | Spring 2018 | | 344 | 16 |
| | | Summer 2018 | 119 | 212 | 9 |
| | V C | Fall 2018 | 58 | 211 | 7 |
| | Year 6 | Spring 2019 | 55 | 268 | 5 |
| | | Summer 2019 | 46 | 7 | 1 |
| | V 7 | Fall 2019 | 94 | 51 | 2 |
| | Year 7 | Spring 2020 | 82 | 0 | 0 |
| | | Summer 2020 | 86 | 0 | 0 |
| | ., | Fall 2020 | 63 | 0 | 0 |
| | Year 8 | Spring 2021 | 65 | 11 | 1 |
| | | Summer 2021 | 103 | 0 | 0 |
| | Year 9 | Fall 2021 | 65 | 0 | 0 |

| | Table 4A: SS | SA Participant and Ever | nt Count by Institution, To | erm, and Year | |
|--------------|--------------|-------------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 0 | 0 | 0 |
| | real 1 | Summer 2014 | 61 | 0 | 0 |
| | | Fall 2014 | 40 | 0 | 0 |
| | Year 2 | Spring 2015 | 90 | 0 | 0 |
| | | Summer 2015 | 57 | 0 | 0 |
| | Year 3 | Fall 2015 | 108 | 0 | 0 |
| | | Spring 2016 | 105 | 0 | 0 |
| | | Summer 2016 | 130 | 14 | 3 |
| | | Fall 2016 | 60 | 10 | 1 |
| | Year 4 | Spring 2017 | 104 | 0 | 0 |
| | | Summer 2017 | 117 | 0 | 0 |
| Bunker Hill | | Fall 2017 | 100 | 0 | 0 |
| Dulikel Hill | Year 5 | Spring 2018 | 89 | 0 | 0 |
| | | Summer 2018 | 106 | 0 | 0 |
| | | Fall 2018 | 10 | 0 | 0 |
| | Year 6 | Spring 2019 | 31 | 0 | 0 |
| | | Summer 2019 | 78 | 0 | 0 |
| | | Fall 2019 | 39 | 0 | 0 |
| | Year 7 | Spring 2020 | 31 | 0 | 0 |
| | | Summer 2020 | 50 | 0 | 0 |
| | | Fall 2020 | 7 | 0 | 0 |
| | Year 8 | Spring 2021 | 32 | 0 | 0 |
| | | Summer 2021 | 71 | 0 | 0 |
| | Year 9 | Fall 2021 | 20 | 0 | 0 |
| | Year 1 | Spring 2014 | 0 | 299 | 7 |
| | Year 1 | Summer 2014 | 5 | 405 | 6 |
| | | Fall 2014 | 300 | 151 | 7 |
| | Year 2 | Spring 2015 | 320 | 875 | 24 |
| | | Summer 2015 | 103 | 1,212 | 19 |
| | | Fall 2015 | 348 | 1,541 | 26 |
| | Year 3 | Spring 2016 | 406 | 823 | 36 |
| | | Summer 2016 | 112 | 320 | 12 |
| | Year 4 | Fall 2016 | 364 | 629 | 23 |
| | | Spring 2017 | 464 | 411 | 32 |
| | | Summer 2017 | 108 | 83 | 14 |
| Cape Cod | Year 5 | Fall 2017 | 422 | 183 | 12 |
| | | Spring 2018 | 482 | 334 | 15 |
| | | Summer 2018 | 20 | 137 | 13 |
| | Year 6 | Fall 2018 | 553 | 0 | 0 |
| | | Spring 2019 | 562 | 257 | 1 |
| | | Summer 2019 | 50 | 0 | 0 |
| | Year 7 | Fall 2019 | 197 | 100 | 3 |
| | | Spring 2020 | 160 | 300 | 1 |
| | | Summer 2020 | 36 | 0 | 0 |
| | Year 8 | Fall 2020 | 154 | 254 | 15 |
| | | Spring 2021 | 71 | 745 | 32 |
| | | Summer 2021 | 34 | 0 | 0 |
| | Year 9 | Fall 2021 | 117 | 219 | 35 |

| | Table 4A: S | SA Participant and Eve | ent Count by Institution, To | erm, and Year | |
|-------------|-------------|------------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 0 | 115 | 4 |
| | Teal 1 | Summer 2014 | 18 | 235 | 9 |
| | | Fall 2014 | 4 | 305 | 3 |
| | Year 2 | Spring 2015 | 9 | 214 | 12 |
| | | Summer 2015 | 19 | 0 | 0 |
| | Year 3 | Fall 2015 | 11 | 0 | 0 |
| | | Spring 2016 | 28 | 500 | 15 |
| | | Summer 2016 | 27 | 70 | 1 |
| | | Fall 2016 | 28 | 426 | 120 |
| | Year 4 | Spring 2017 | 29 | 525 | 38 |
| | | Summer 2017 | 43 | 50 | 3 |
| Greenfield | | Fall 2017 | 205 | 51 | 5 |
| Greenneid | Year 5 | Spring 2018 | 273 | 600 | 39 |
| | | Summer 2018 | 71 | 100 | 24 |
| | | Fall 2018 | 297 | 165 | 8 |
| | Year 6 | Spring 2019 | 256 | 825 | 35 |
| | | Summer 2019 | 92 | 163 | 32 |
| | | Fall 2019 | 194 | 223 | 15 |
| | Year 7 | Spring 2020 | 78 | 220 | 18 |
| | | Summer 2020 | 90 | 120 | 20 |
| | | Fall 2020 | 44 | 185 | 19 |
| | Year 8 | Spring 2021 | 58 | 155 | 12 |
| | | Summer 2021 | 82 | 63 | 7 |
| | Year 9 | Fall 2021 | 22 | 43 | 12 |
| | Year 1 | Spring 2014 | 0 | 770 | 24 |
| | | Summer 2014 | 72 | 15 | 5 |
| | Year 2 | Fall 2014 | 149 | 18 | 1 |
| | | Spring 2015 | 22 | 1,262 | 13 |
| | | Summer 2015 | 66 | 0 | 0 |
| | | Fall 2015 | 0 | 0 | 0 |
| | Year 3 | Spring 2016 | 14 | 0 | 0 |
| | | Summer 2016 | 41 | 14 | 3 |
| | | Fall 2016 | 11 | 0 | 0 |
| | Year 4 | Spring 2017 | 6 | 0 | 0 |
| | | Summer 2017 | 38 | 13 | 2 |
| Holyoke | Year 5 | Fall 2017 | 60 | 0 | 0 |
| Holyoke | | Spring 2018 | 47 | 114 | 9 |
| | | Summer 2018 | 34 | 73 | 6 |
| | Year 6 | Fall 2018 | 44 | 440 | 9 |
| | | Spring 2019 | 103 | 345 | 8 |
| | | Summer 2019 | 30 | 115 | 1 |
| | Year 7 | Fall 2019 | 76 | 450 | 8 |
| | | Spring 2020 | 98 | 65 | 4 |
| | | Summer 2020 | 177 | 7 | 2 |
| | Year 8 | Fall 2020 | 152 | 47 | 5 |
| | | Spring 2021 | 143 | 65 | 3 |
| | | Summer 2021 | 54 | 35 | 2 |
| | Year 9 | Fall 2021 | 115 | 11 | 2 |

| | Table 4A: S | SA Participant and Eve | ent Count by Institution, T | erm, and Year | |
|-------------|-------------|------------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Van 1 | Spring 2014 | 0 | 477 | 5 |
| | Year 1 | Summer 2014 | 154 | 0 | 0 |
| | | Fall 2014 | 374 | 4 | 2 |
| | Year 2 | Spring 2015 | 490 | 417 | 14 |
| | | Summer 2015 | 145 | 133 | 8 |
| | Year 3 | Fall 2015 | 447 | 350 | 14 |
| | | Spring 2016 | 454 | 590 | 25 |
| | | Summer 2016 | 183 | 211 | 8 |
| | | Fall 2016 | 493 | 422 | 14 |
| | Year 4 | Spring 2017 | 432 | 1,285 | 26 |
| | | Summer 2017 | 115 | 320 | 11 |
| Mass Pay | | Fall 2017 | 431 | 485 | 18 |
| Mass Bay | Year 5 | Spring 2018 | 444 | 1,160 | 20 |
| | | Summer 2018 | 106 | 311 | 12 |
| | | Fall 2018 | 296 | 836 | 19 |
| | Year 6 | Spring 2019 | 299 | 364 | 13 |
| | | Summer 2019 | 86 | 154 | 7 |
| | | Fall 2019 | 246 | 83 | 7 |
| | Year 7 | Spring 2020 | 157 | 61 | 5 |
| | | Summer 2020 | 119 | 16 | 2 |
| | | Fall 2020 | 206 | 74 | 7 |
| | Year 8 | Spring 2021 | 198 | 152 | 15 |
| | | Summer 2021 | 94 | 14 | 3 |
| | Year 9 | Fall 2021 | 226 | 32 | 6 |
| | Year 1 | Spring 2014 | 0 | 850 | 23 |
| | | Summer 2014 | 48 | 110 | 3 |
| | | Fall 2014 | 14 | 0 | 0 |
| | Year 2 | Spring 2015 | 29 | 40 | 10 |
| | | Summer 2015 | 29 | 0 | 0 |
| | Year 3 | Fall 2015 | 91 | 0 | 0 |
| | | Spring 2016 | 127 | 0 | 0 |
| | | Summer 2016 | 20 | 0 | 0 |
| | Year 4 | Fall 2016 | 37 | 0 | 0 |
| | | Spring 2017 | 51 | 0 | 0 |
| | | Summer 2017 | 125 | 0 | 0 |
| Massassit | Year 5 | Fall 2017 | 67 | 0 | 0 |
| Massasoit | | Spring 2018 | 121 | 0 | 0 |
| | | Summer 2018 | 16 | 0 | 0 |
| | Year 6 | Fall 2018 | 27 | 0 | 0 |
| | | Spring 2019 | 54 | 0 | 0 |
| | | Summer 2019 | 18 | 0 | 0 |
| | Year 7 | Fall 2019 | 40 | 0 | 0 |
| | | Spring 2020 | 45 | 0 | 0 |
| | | Summer 2020 | 12 | 0 | 0 |
| | Year 8 | Fall 2020 | 31 | 0 | 0 |
| | | Spring 2021 | 34 | 0 | 0 |
| | | Summer 2021 | 8 | 0 | 0 |
| | Year 9 | Fall 2021 | 42 | 0 | 0 |

| | Table 4A: SS | SA Participant and Eve | nt Count by Institution, T | erm, and Year | |
|---------------|--------------|----------------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 101 | 152 | 3 |
| | real 1 | Summer 2014 | 45 | 0 | 0 |
| | | Fall 2014 | 172 | 0 | 0 |
| | Year 2 | Spring 2015 | 173 | 204 | 9 |
| | | Summer 2015 | 137 | 31 | 1 |
| | Year 3 | Fall 2015 | 158 | 493 | 6 |
| | | Spring 2016 | 151 | 1,341 | 7 |
| | | Summer 2016 | 142 | 353 | 7 |
| | | Fall 2016 | 120 | 174 | 5 |
| | Year 4 | Spring 2017 | 656 | 279 | 8 |
| | | Summer 2017 | 213 | 0 | 0 |
| | | Fall 2017 | 199 | 0 | 0 |
| Middlesex | Year 5 | Spring 2018 | 222 | 190 | 2 |
| | | Summer 2018 | 70 | 206 | 5 |
| | | Fall 2018 | 235 | 230 | 3 |
| | Year 6 | Spring 2019 | 186 | 113 | 6 |
| | | Summer 2019 | 79 | 0 | 0 |
| | | Fall 2019 | 184 | 58 | 3 |
| | Year 7 | Spring 2020 | 21 | 258 | 7 |
| | | Summer 2020 | 53 | 0 | 0 |
| | | Fall 2020 | 43 | 71 | 1 |
| | Year 8 | Spring 2021 | 61 | 208 | 34 |
| | 1 3 3 1 2 | Summer 2021 | 27 | 255 | 17 |
| | Year 9 | Fall 2021 | 420 | 494 | 26 |
| | Teal 3 | Spring 2014 | 236 | 449 | 43 |
| | Year 1 | Summer 2014 | 137 | 0 | 0 |
| | | Fall 2014 | 337 | 0 | 0 |
| | Year 2 | Spring 2015 | 416 | 288 | 10 |
| | Teal 2 | Summer 2015 | 18 | 0 | 0 |
| | | Fall 2015 | 385 | 11 | 1 |
| | Year 3 | Spring 2016 | 120 | 50 | 1 |
| | Teal 5 | Summer 2016 | 69 | 0 | 0 |
| | | Fall 2016 | 475 | 300 | 3 |
| | Year 4 | Spring 2017 | 521 | 433 | 21 |
| | Teal 4 | Summer 2017 | 75 | 53 | 4 |
| | | Fall 2017 | 157 | 615 | 13 |
| Mt. Wachusett | Year 5 | | | 792 | 25 |
| | | Spring 2018 Summer 2018 | 103 64 | 0 | 0 |
| | Year 6 | | | | |
| | | Fall 2018 | 128 73 | 1,002 381 | 30 23 |
| | | Spring 2019 | 46 | 0 | |
| | Year 7 | Summer 2019 | | | 0 |
| | | Fall 2019 | 141 | 597 | 15 |
| | | Spring 2020 | 129 | 1,897 | 32 |
| | | Summer 2020 | 18 | 0 | 0 |
| | Year 8 | Fall 2020 | 38 | 111 | 5 |
| | | Spring 2021 | 52 | 0 | 0 |
| | | Summer 2021 | 57 | 40 | 4 |
| | Year 9 | Fall 2021 | 40 | 82 | 5 |

| | Table 4A: SS | SA Participant and Ever | nt Count by Institution, To | erm, and Year | |
|----------------|--------------|-------------------------|-------------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 0 | 250 | 3 |
| | Year 1 | Summer 2014 | 55 | 1,220 | 4 |
| | | Fall 2014 | 75 | 400 | 7 |
| | Year 2 | Spring 2015 | 126 | 250 | 4 |
| | | Summer 2015 | 67 | 30 | 5 |
| | | Fall 2015 | 275 | 30 | 1 |
| | Year 3 | Spring 2016 | 226 | 75 | 8 |
| | | Summer 2016 | 76 | 250 | 8 |
| | | Fall 2016 | 199 | 300 | 15 |
| | Year 4 | Spring 2017 | 728 | 500 | 20 |
| | | Summer 2017 | 193 | 345 | 10 |
| North Shore | | Fall 2017 | 147 | 75 | 10 |
| North Shore | Year 5 | Spring 2018 | 347 | 78 | 8 |
| | | Summer 2018 | 182 | 350 | 11 |
| | | Fall 2018 | 75 | 14 | 8 |
| | Year 6 | Spring 2019 | 251 | 231 | 10 |
| | | Summer 2019 | 118 | 78 | 2 |
| | | Fall 2019 | 59 | 30 | 1 |
| | Year 7 | Spring 2020 | 267 | 0 | 0 |
| | | Summer 2020 | 300 | 0 | 0 |
| | | Fall 2020 | 286 | 0 | 0 |
| | Year 8 | Spring 2021 | 220 | 17 | 1 |
| | | Summer 2021 | 435 | 19 | 2 |
| | Year 9 | Fall 2021 | 208 | 23 | 2 |
| | Vacu 1 | Spring 2014 | 2 | 209 | 6 |
| | Year 1 | Summer 2014 | 16 | 0 | 0 |
| | | Fall 2014 | 233 | 138 | 4 |
| | Year 2 | Spring 2015 | 117 | 13 | 1 |
| | | Summer 2015 | 108 | 11 | 1 |
| | | Fall 2015 | 64 | 1 | 1 |
| | Year 3 | Spring 2016 | 213 | 19 | 2 |
| | | Summer 2016 | 255 | 41 | 2 |
| | | Fall 2016 | 132 | 0 | 0 |
| | Year 4 | Spring 2017 | 159 | 82 | 4 |
| | | Summer 2017 | 111 | 67 | 8 |
| Northern Essex | | Fall 2017 | 193 | 0 | 0 |
| Northern Essex | Year 5 | Spring 2018 | 251 | 4 | 2 |
| | | Summer 2018 | 100 | 44 | 3 |
| | | Fall 2018 | 321 | 60 | 1 |
| | Year 6 | Spring 2019 | 301 | 8 | 6 |
| | | Summer 2019 | 56 | 18 | 3 |
| | | Fall 2019 | 226 | 56 | 1 |
| | Year 7 | Spring 2020 | 225 | 37 | 3 |
| | | Summer 2020 | 82 | 6 | 1 |
| | | Fall 2020 | 146 | 0 | 0 |
| | Year 8 | Spring 2021 | 257 | 64 | 6 |
| | | Summer 2021 | 55 | 32 | 7 |
| | Year 9 | Fall 2021 | 188 | 0 | 0 |

| | Table 4A: S | SA Participant and Ever | nt Count by Institution, To | erm, and Year | |
|--------------|-------------|-------------------------|-------------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 79 | 845 | 8 |
| | Year 1 | Summer 2014 | 36 | 197 | 7 |
| | | Fall 2014 | 265 | 34 | 7 |
| | Year 2 | Spring 2015 | 311 | 114 | 2 |
| | | Summer 2015 | 0 | 29 | 2 |
| | | Fall 2015 | 97 | 389 | 7 |
| | Year 3 | Spring 2016 | 71 | 926 | 22 |
| | | Summer 2016 | 201 | 741 | 18 |
| | | Fall 2016 | 215 | 1,220 | 14 |
| | Year 4 | Spring 2017 | 434 | 525 | 34 |
| | | Summer 2017 | 34 | 1,673 | 15 |
| Quinsigamond | | Fall 2017 | 119 | 569 | 23 |
| Quinsigamonu | Year 5 | Spring 2018 | 273 | 1,321 | 26 |
| | | Summer 2018 | 414 | 968 | 13 |
| | | Fall 2018 | 286 | 1,043 | 22 |
| | Year 6 | Spring 2019 | 304 | 1,497 | 26 |
| | | Summer 2019 | 210 | 259 | 10 |
| | | Fall 2019 | 523 | 356 | 9 |
| | Year 7 | Spring 2020 | 126 | 640 | 19 |
| | | Summer 2020 | 104 | 393 | 6 |
| | | Fall 2020 | 77 | 269 | 10 |
| | Year 8 | Spring 2021 | 67 | 361 | 15 |
| | | Summer 2021 | 94 | 138 | 5 |
| | Year 9 | Fall 2021 | 75 | 74 | 7 |
| | Year 1 | Spring 2014 | 17 | 240 | 2 |
| | Teal 1 | Summer 2014 | 9 | 0 | 0 |
| | | Fall 2014 | 7 | 0 | 0 |
| | Year 2 | Spring 2015 | 7 | 0 | 0 |
| | | Summer 2015 | 59 | 0 | 0 |
| | | Fall 2015 | 32 | 0 | 0 |
| | Year 3 | Spring 2016 | 294 | 0 | 0 |
| | | Summer 2016 | 136 | 0 | 0 |
| | | Fall 2016 | 322 | 0 | 0 |
| | Year 4 | Spring 2017 | 267 | 0 | 0 |
| | | Summer 2017 | 40 | 0 | 0 |
| Roxbury | | Fall 2017 | 268 | 0 | 0 |
| y | Year 5 | Spring 2018 | 72 | 98 | 3 |
| | | Summer 2018 | 53 | 40 | 7 |
| | | Fall 2018 | 304 | 89 | 5 |
| | Year 6 | Spring 2019 | 252 | 55 | 4 |
| | | Summer 2019 | 48 | 40 | 2 |
| | | Fall 2019 | 280 | 147 | 11 |
| | Year 7 | Spring 2020 | 229 | 64 | 8 |
| | | Summer 2020 | 66 | 0 | 0 |
| | | Fall 2020 | 252 | 308 | 1 |
| | Year 8 | Spring 2021 | 171 | 258 | 15 |
| | | Summer 2021 | 65 | 206 | 11 |
| | Year 9 | Fall 2021 | 146 | 244 | 9 |

| | Table 4A: SS | A Participant and Eve | nt Count by Institution, To | erm, and Year | |
|-----------------------|--------------|-----------------------|----------------------------------|----------------------------------|-----------------------|
| Institution | SSA Year | Term | Group 1–3 (primary) participants | Group 4 (secondary) participants | Events and activities |
| | Year 1 | Spring 2014 | 0 | 530 | 8 |
| | real 1 | Summer 2014 | 33 | 0 | 0 |
| | | Fall 2014 | 44 | 0 | 0 |
| | Year 2 | Spring 2015 | 54 | 741 | 20 |
| | | Summer 2015 | 78 | 17 | 1 |
| | Year 3 | Fall 2015 | 79 | 430 | 13 |
| | | Spring 2016 | 87 | 434 | 32 |
| | | Summer 2016 | 129 | 20 | 2 |
| | Year 4 | Fall 2016 | 159 | 251 | 78 |
| | | Spring 2017 | 119 | 467 | 12 |
| | | Summer 2017 | 51 | 65 | 3 |
| Springfield Technical | | Fall 2017 | 19 | 874 | 5 |
| Springheid recinical | Year 5 | Spring 2018 | 89 | 748 | 10 |
| | | Summer 2018 | 91 | 64 | 4 |
| | | Fall 2018 | 92 | 572 | 5 |
| | Year 6 | Spring 2019 | 149 | 500 | 10 |
| | | Summer 2019 | 94 | 55 | 4 |
| | | Fall 2019 | 128 | 95 | 3 |
| | Year 7 | Spring 2020 | 112 | 30 | 1 |
| | | Summer 2020 | 72 | 50 | 2 |
| | | Fall 2020 | 127 | 60 | 3 |
| | Year 8 | Spring 2021 | 160 | 650 | 4 |
| | | Summer 2021 | 55 | 35 | 3 |
| | Year 9 | Fall 2021 | 0 | 0 | 0 |

| Table 5: STE | Table 5: STEM Status at Entry for Full and Part Time Community College Students* | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| Fall 2014 Fall 2015 Fall 2016 Fall 2017 Fall 2018 Fall 2019 Fall 2020 Fall 20 | | | | | | | | | | | | |
| Full time STEM at entry | 13% | 14% | 14% | 15% | 15% | 15% | 14% | 14% | | | | |
| Part time STEM at entry | 16% | 16% | 17% | 17% | 17% | 17% | 17% | 17% | | | | |
| Full time non-STEM at entry | 32% | 31% | 30% | 29% | 28% | 28% | 26% | 25% | | | | |
| Part time non-STEM at entry | 39% | 39% | 39% | 39% | 40% | 41% | 42% | 44% | | | | |
| Total full time and part time students | 95,330 | 90,245 | 84,615 | 80,302 | 76,587 | 72,734 | 64,184 | 61,724 | | | | |
| Total STEM degrees and certificates earned** | 7,345 | 7,197 | 7,521 | 7,497 | 7,334 | 6,748 | 6,930 | *** | | | | |

^{*}Counts only include students with valid HEIRS IDs who were enrolled in at least one credit hour in the given fall term.

^{**}Includes all STEM degrees and certificates awarded at any institution after students' intial enrollment and within the same fiscal year as the Fall term indicated. Degrees and certificates are not limited to one per student.

^{***}Data are not yet available.

| | Table 5A: STEM Status at Entry for Ful | l and Part 1 | ime Comm | unity Colleg | ge Students | by Instituti | on* | | |
|---------------|--|--------------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 16% | 17% | 17% | 15% | 15% | 15% | 16% | 17% |
| | Part time STEM at entry | 19% | 19% | 21% | 20% | 19% | 20% | 22% | 23% |
| Berkshire | Full time non-STEM at entry | 23% | 24% | 22% | 24% | 24% | 22% | 18% | 17% |
| berksmire | Part time non-STEM at entry | 42% | 39% | 39% | 41% | 42% | 43% | 44% | 43% |
| | Total full time and part time students | 2,194 | 2,070 | 1,910 | 1,807 | 1,628 | 1,557 | 1,387 | *** |
| | Total STEM degrees and certificates earned** | 231 | 221 | 217 | 241 | 0 | 0 | 189 | *** |
| | Full time STEM at entry | 7% | 7% | 8% | 8% | 8% | 9% | 9% | 9% |
| | Part time STEM at entry | 5% | 5% | 5% | 5% | 5% | 6% | 6% | 7% |
| Bristol | Full time non-STEM at entry | 44% | 44% | 43% | 42% | 41% | 40% | 40% | 38% |
| Bristoi | Part time non-STEM at entry | 45% | 44% | 44% | 45% | 46% | 46% | 45% | 47% |
| | Total full time and part time students | 9,086 | 8,580 | 8,218 | 7,405 | 6,981 | 6,643 | 5,991 | *** |
| | Total STEM degrees and certificates earned** | 550 | 580 | 680 | 637 | 0 | 0 | 690 | *** |
| | Full time STEM at entry | 8% | 9% | 10% | 11% | 12% | 12% | 12% | 12% |
| | Part time STEM at entry | 9% | 11% | 11% | 12% | 12% | 13% | 12% | 11% |
| Bunker Hill | Full time non-STEM at entry | 30% | 29% | 28% | 28% | 27% | 27% | 27% | 27% |
| Dulikel IIIII | Part time non-STEM at entry | 52% | 52% | 50% | 48% | 49% | 48% | 48% | 49% |
| | Total full time and part time students | 13,885 | 13,497 | 12,724 | 12,340 | 11,950 | 11,279 | 9,374 | *** |
| | Total STEM degrees and certificates earned** | 802 | 871 | 895 | 898 | 0 | 0 | 1037 | *** |
| | Full time STEM at entry | 11% | 10% | 10% | 11% | 10% | 12% | 12% | 12% |
| | Part time STEM at entry | 21% | 21% | 21% | 21% | 19% | 19% | 20% | 20% |
| Cape Cod | Full time non-STEM at entry | 26% | 27% | 25% | 25% | 25% | 25% | 26% | 25% |
| Cape Cou | Part time non-STEM at entry | 42% | 42% | 44% | 44% | 46% | 44% | 43% | 43% |
| | Total full time and part time students | 3,868 | 3,671 | 3,371 | 3,195 | 2,973 | 2,827 | 2,575 | *** |
| | Total STEM degrees and certificates earned** | 279 | 330 | 296 | 336 | 0 | 0 | 351 | *** |

| | Table 5A: STEM Status at Entry for Ful | l and Part 1 | ime Comm | unity Colleg | ge Students | by Instituti | on* | | |
|------------|--|--------------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 13% | 14% | 14% | 12% | 11% | 11% | 11% | 9% |
| | Part time STEM at entry | 21% | 20% | 20% | 21% | 22% | 22% | 21% | 20% |
| Greenfield | Full time non-STEM at entry | 26% | 26% | 25% | 23% | 23% | 23% | 20% | 20% |
| Greenneid | Part time non-STEM at entry | 40% | 41% | 41% | 44% | 45% | 44% | 48% | 51% |
| | Total full time and part time students | 2,016 | 1,958 | 1,871 | 1,751 | 1,708 | 1,665 | 1,509 | *** |
| | Total STEM degrees and certificates earned** | 169 | 181 | 215 | 167 | 0 | 0 | 176 | *** |
| | Full time STEM at entry | 15% | 15% | 15% | 15% | 15% | 15% | 15% | 13% |
| | Part time STEM at entry | 15% | 14% | 14% | 15% | 15% | 16% | 17% | 17% |
| Holyoke | Full time non-STEM at entry | 40% | 40% | 38% | 36% | 36% | 34% | 30% | 30% |
| Holyoke | Part time non-STEM at entry | 30% | 31% | 33% | 34% | 34% | 35% | 38% | 40% |
| | Total full time and part time students | 6,695 | 6,316 | 5,850 | 5,484 | 5,073 | 4,847 | 4,256 | *** |
| | Total STEM degrees and certificates earned** | 388 | 406 | 473 | 477 | 0 | 0 | 500 | *** |
| | Full time STEM at entry | 18% | 18% | 20% | 19% | 19% | 19% | 18% | 19% |
| | Part time STEM at entry | 23% | 21% | 21% | 22% | 23% | 21% | 22% | 23% |
| Mass Bay | Full time non-STEM at entry | 23% | 24% | 23% | 23% | 21% | 22% | 21% | 20% |
| iviass bay | Part time non-STEM at entry | 35% | 36% | 37% | 36% | 37% | 37% | 39% | 38% |
| | Total full time and part time students | 5,296 | 4,775 | 4,677 | 4,475 | 4,255 | 3,919 | 3,583 | *** |
| | Total STEM degrees and certificates earned** | 470 | 441 | 507 | 518 | 0 | 0 | 498 | *** |
| | Full time STEM at entry | 13% | 14% | 15% | 15% | 15% | 16% | 15% | 14% |
| | Part time STEM at entry | 12% | 14% | 14% | 14% | 15% | 15% | 15% | 15% |
| Massasoit | Full time non-STEM at entry | 39% | 37% | 35% | 34% | 31% | 30% | 28% | 26% |
| | Part time non-STEM at entry | 36% | 35% | 36% | 37% | 38% | 39% | 42% | 44% |
| | Total full time and part time students | 7,623 | 7,193 | 6,997 | 6,668 | 6,481 | 6,046 | 5,146 | *** |
| | Total STEM degrees and certificates earned** | 464 | 446 | 582 | 561 | 0 | 0 | 490 | *** |

| | Table 5A: STEM Status at Entry for Ful | l and Part 1 | ime Comm | unity Colleg | ge Students | by Instituti | on* | | |
|-------------------|--|--------------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 11% | 10% | 10% | 11% | 10% | 10% | 10% | 9% |
| | Part time STEM at entry | 9% | 9% | 9% | 9% | 8% | 9% | 8% | 8% |
| Middlesex | Full time non-STEM at entry | 35% | 35% | 34% | 34% | 31% | 31% | 29% | 25% |
| ivilualesex | Part time non-STEM at entry | 45% | 46% | 47% | 46% | 51% | 50% | 53% | 59% |
| | Total full time and part time students | 8,981 | 8,735 | 8,250 | 7,830 | 7,725 | 7,075 | 6,455 | *** |
| | Total STEM degrees and certificates earned** | 695 | 681 | 734 | 763 | 0 | 0 | 892 | *** |
| | Full time STEM at entry | 19% | 19% | 19% | 19% | 19% | 19% | 19% | 19% |
| | Part time STEM at entry | 22% | 22% | 23% | 23% | 23% | 23% | 24% | 23% |
| Mt. Wachusett | Full time non-STEM at entry | 30% | 30% | 28% | 25% | 25% | 24% | 23% | 21% |
| ivit. vvaciiusett | Part time non-STEM at entry | 30% | 30% | 30% | 33% | 33% | 34% | 34% | 37% |
| | Total full time and part time students | 4,224 | 3,909 | 3,734 | 3,585 | 3,428 | 3,347 | 2,870 | *** |
| | Total STEM degrees and certificates earned** | 516 | 465 | 461 | 471 | 0 | 0 | 429 | *** |
| | Full time STEM at entry | 14% | 14% | 14% | 15% | 15% | 16% | 17% | 17% |
| | Part time STEM at entry | 19% | 19% | 21% | 21% | 21% | 22% | 23% | 24% |
| North Shore | Full time non-STEM at entry | 29% | 29% | 27% | 27% | 26% | 25% | 24% | 23% |
| North Shore | Part time non-STEM at entry | 38% | 38% | 38% | 37% | 38% | 37% | 37% | 36% |
| | Total full time and part time students | 7,313 | 6,815 | 6,160 | 5,859 | 5,484 | 5,077 | 4,498 | *** |
| | Total STEM degrees and certificates earned** | 611 | 613 | 598 | 665 | 0 | 0 | 575 | *** |
| | Full time STEM at entry | 14% | 15% | 18% | 19% | 20% | 19% | 16% | 16% |
| | Part time STEM at entry | 25% | 25% | 26% | 27% | 27% | 27% | 24% | 23% |
| Northern Essex | Full time non-STEM at entry | 26% | 25% | 23% | 22% | 22% | 22% | 20% | 20% |
| NOT CHEFTI LOSEX | Part time non-STEM at entry | 35% | 35% | 32% | 33% | 32% | 32% | 39% | 41% |
| | Total full time and part time students | 6,985 | 6,583 | 5,922 | 5,718 | 5,216 | 4,934 | 4,666 | *** |
| | Total STEM degrees and certificates earned** | 654 | 617 | 620 | 595 | 0 | 0 | 605 | *** |

| | Table 5A: STEM Status at Entry for Ful | ll and Part 1 | ime Comm | unity Colleg | ge Students | by Instituti | on* | | |
|--------------|--|---------------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 15% | 15% | 15% | 15% | 15% | 15% | 15% | 15% |
| | Part time STEM at entry | 20% | 21% | 22% | 23% | 24% | 23% | 23% | 21% |
| Quinsigamond | Full time non-STEM at entry | 31% | 29% | 28% | 27% | 25% | 23% | 23% | 22% |
| Quinsigamonu | Part time non-STEM at entry | 34% | 34% | 34% | 35% | 35% | 39% | 39% | 42% |
| | Total full time and part time students | 8,305 | 7,840 | 7,432 | 7,108 | 6,979 | 6,920 | 6,556 | *** |
| | Total STEM degrees and certificates earned** | 642 | 763 | 781 | 931 | 0 | 0 | 937 | *** |
| | Full time STEM at entry | 18% | 18% | 17% | 16% | 19% | 20% | 19% | 17% |
| | Part time STEM at entry | 32% | 35% | 35% | 36% | 38% | 34% | 34% | 33% |
| Roxbury | Full time non-STEM at entry | 20% | 18% | 17% | 19% | 16% | 18% | 19% | 18% |
| ROXDUTY | Part time non-STEM at entry | 30% | 29% | 31% | 29% | 28% | 29% | 28% | 32% |
| | Total full time and part time students | 2,417 | 2,259 | 2,102 | 1,955 | 1,974 | 1,785 | 1,286 | *** |
| | Total STEM degrees and certificates earned** | 183 | 214 | 236 | 242 | 0 | 0 | 184 | *** |
| | Full time STEM at entry | 27% | 26% | 27% | 28% | 26% | 24% | 23% | 21% |
| | Part time STEM at entry | 20% | 19% | 20% | 19% | 19% | 16% | 16% | 15% |
| Springfield | Full time non-STEM at entry | 25% | 25% | 23% | 24% | 24% | 26% | 26% | 25% |
| Technical | Part time non-STEM at entry | 29% | 29% | 30% | 30% | 31% | 34% | 36% | 39% |
| | Total full time and part time students | 6,442 | 6,044 | 5,397 | 5,122 | 4,732 | 4,813 | 4,032 | *** |
| | Total STEM degrees and certificates earned** | 722 | 632 | 678 | 689 | 0 | 0 | 636 | *** |

^{*}Counts only include students with valid HEIRS IDs who were enrolled in at least one credit hour in the given fall term.

^{**}Includes all STEM degrees and certificates awarded at any institution after students' intial enrollment at the given community college and within the same fiscal year as the Fall term indicated (for the institution of students' first HEIRS record only). Degrees and certificates are not limited to one per student.

^{***}Data are not yet available.

| Table 6: | Table 6: STEM Status at Entry for Full and Part Time SSA Participants* | | | | | | | | | | | |
|--|--|-------|-------|--------|--------|-------|-------|-------|--|--|--|--|
| Fall 2014 Fall 2015 Fall 2016 Fall 2017 Fall 2018 Fall 2019 Fall 2020 Fall 202 | | | | | | | | | | | | |
| Full time STEM at entry | 25% | 26% | 27% | 26% | 27% | 28% | 29% | 29% | | | | |
| Part time STEM at entry | 34% | 33% | 31% | 30% | 31% | 31% | 35% | 35% | | | | |
| Full time non-STEM at entry | 17% | 17% | 17% | 18% | 17% | 16% | 14% | 14% | | | | |
| Part time non-STEM at entry | 25% | 24% | 24% | 26% | 26% | 24% | 23% | 22% | | | | |
| Total SSA participants enrolled in CC | 6,757 | 8,528 | 9,953 | 10,699 | 10,616 | 9,484 | 7,121 | 5,741 | | | | |
| Total STEM degrees and certificates earned** | 253 | 562 | 961 | 1,334 | 1,492 | 1,572 | 1,795 | *** | | | | |

^{*}Counts only include students with valid HEIRS IDs who were enrolled in at least one credit hour in the given fall term.

**Includes all STEM degrees and certificates awarded at any institution after students' intial participation in SSA and within the same fiscal year as the Fall term indicated. Degrees and certificates are not limited to one per student.

***Data are not yet available.

| | Table 6A: STEM Status at Entry for | Full and P | art Time SS | A Participa | ants, by Ins | titution* | | | |
|-------------|--|--|-------------|-------------|--------------|-----------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 20% | 39% | 33% | 22% | 29% | 33% | 39% | 44% |
| | Part time STEM at entry | 10% | 14% | 16% | 11% | 15% | 21% | 22% | 25% |
| Berkshire | Full time non-STEM at entry | 9% | 13% | 18% | 29% | 23% | 21% | 12% | 10% |
| Derkstille | Part time non-STEM at entry | 61% | 34% | 33% | 38% | 33% | 25% | 27% | 22% |
| | Total SSA participants enrolled in CC | y 10% 14% 16% 11% 15% 21% 22% y 9% 13% 18% 29% 23% 21% 12% 12% y 61% 34% 33% 38% 33% 25% 27% C 107 123 165 277 300 251 171 * * 0 3 0 17 44 42 31 | 165 | | | | | | |
| | Total STEM degrees and certificates earned** | 0 | 3 | 0 | 17 | 44 | 42 | 31 | *** |
| | Full time STEM at entry | 26% | 31% | 26% | 19% | 18% | 17% | 15% | 19% |
| | Part time STEM at entry | 31% | 24% | 21% | 17% | 21% | 20% | 22% | 26% |
| Duintal | Full time non-STEM at entry | 7% | 8% | 13% | 10% | 12% | 14% | 13% | 12% |
| Bristol | Part time non-STEM at entry | 36% | 36% | 40% | 55% | 49% | 49% | 50% | 43% |
| | Total SSA participants enrolled in CC | 240 | 334 | 392 | 444 | 382 | 322 | 220 | 189 |
| | Total STEM degrees and certificates earned** | 34 | 31 | 34 | 63 | 65 | 70 | 61 | *** |
| | Full time STEM at entry | 27% | 31% | 32% | 29% | 32% | 38% | 41% | 43% |
| | Part time STEM at entry | 38% | 36% | 31% | 32% | 34% | 37% | 40% | 42% |
| Dumkon Hill | Full time non-STEM at entry | 11% | 11% | 11% | 8% | 7% | 7% | 5% | 3% |
| Bunker Hill | Part time non-STEM at entry | 23% | 22% | 26% | 31% | 27% | 19% | 14% | 12% |
| | Total SSA participants enrolled in CC | 398 | 518 | 557 | 585 | 481 | 396 | 292 | 206 |
| | Total STEM degrees and certificates earned** | 0 | 21 | 0 | 63 | 75 | 89 | 104 | *** |
| | Full time STEM at entry | 12% | 13% | 12% | 13% | 13% | 16% | 22% | 20% |
| | Part time STEM at entry | 29% | 28% | 28% | 27% | 23% | 25% | 30% | 31% |
| | Full time non-STEM at entry | 21% | 21% | 20% | 21% | 21% | 18% | 11% | 8% |
| Cape Cod | Part time non-STEM at entry | 37% | 38% | 40% | 39% | 43% | 40% | 37% | 40% |
| | Total SSA participants enrolled in CC | 849 | 1,104 | 1,104 | 1,163 | 1,146 | 848 | 528 | 376 |
| | Total STEM degrees and certificates earned** | 19 | 54 | 19 | | | 126 | 164 | *** |
| | Full time STEM at entry | 20% | 22% | 26% | 19% | 15% | 15% | 18% | 16% |
| | Part time STEM at entry | 28% | 25% | 23% | 21% | 21% | 22% | 28% | 28% |
| 6 6 1 | Full time non-STEM at entry | 14% | 19% | 21% | 27% | 30% | 28% | 20% | 16% |
| Greenfield | Part time non-STEM at entry | 38% | 35% | 30% | 33% | 35% | 35% | 33% | 40% |
| | Total SSA participants enrolled in CC | 100 | 200 | 312 | 504 | 615 | 581 | 401 | 251 |
| | Total STEM degrees and certificates earned** | 0 | 2 | 0 | 14 | 48 | 59 | 49 | *** |
| | Full time STEM at entry | 15% | 15% | 18% | 17% | 21% | 24% | 22% | 20% |
| | Part time STEM at entry | 21% | 21% | 23% | 25% | 28% | 37% | 45% | 43% |
| | Full time non-STEM at entry | 32% | 32% | 28% | 25% | 21% | 19% | 15% | 17% |
| Holyoke | Part time non-STEM at entry | 31% | 32% | 31% | 33% | 30% | 20% | 19% | 21% |
| | Total SSA participants enrolled in CC | 267 | 257 | 324 | 381 | 456 | 500 | 528 | 369 |
| | Total STEM degrees and certificates earned** | 2 | 3 | 2 | 23 | 21 | 45 | 74 | *** |
| | Full time STEM at entry | 29% | 28% | 31% | 32% | 35% | 38% | 40% | 42% |
| | Part time STEM at entry | 27% | 29% | 27% | 26% | 28% | 30% | 33% | 35% |
| Mass Pari | Full time non-STEM at entry | 21% | 21% | 22% | 20% | 17% | 12% | 10% | 7% |
| Mass Bay | Part time non-STEM at entry | 22% | 21% | 21% | 21% | 20% | 19% | 17% | 15% |
| | Total SSA participants enrolled in CC | 939 | 1,071 | 1,160 | 1,096 | 941 | 767 | 598 | 498 |
| | Total STEM degrees and certificates earned** | 31 | 76 | 31 | 128 | 140 | 165 | 159 | *** |
| | Full time STEM at entry | 38% | 42% | 47% | 42% | 45% | 47% | 46% | 45% |
| | Part time STEM at entry | 29% | 35% | 31% | 23% | 30% | 35% | 37% | 42% |
| | Full time non-STEM at entry | 23% | 13% | 12% | 13% | 11% | 9% | 4% | 3% |
| Massasoit | Part time non-STEM at entry | 10% | | 9% | | 14% | 10% | 14% | 10% |
| | Total SSA participants enrolled in CC | | | | | | | | 91 |
| | | | | | | | | | |

| | Table 6A: STEM Status at Entry for | Full and P | art Time SS | A Participa | ints, by Ins | titution* | | | |
|-------------------------|--|------------|-------------|-------------|--------------|-----------|-----------|-----------|-----------|
| | | Fall 2014 | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| | Full time STEM at entry | 37% | 32% | 31% | 30% | 28% | 31% | 30% | 21% |
| | Part time STEM at entry | 30% | 29% | 27% | 26% | 24% | 22% | 21% | 17% |
| N 4: - - | Full time non-STEM at entry | 13% | 17% | 18% | 20% | 22% | 21% | 22% | 35% |
| Middlesex | Part time non-STEM at entry | 21% | 22% | 23% | 24% | 27% | 26% | 28% | 27% |
| | Total SSA participants enrolled in CC | 804 | 963 | 1,091 | 1,024 | 887 | 702 | 516 | 635 |
| | Total STEM degrees and certificates earned** | 80 | 126 | 80 | 218 | 217 | 176 | 236 | *** |
| | Full time STEM at entry | 27% | 26% | 27% | 26% | 29% | 34% | 39% | 40% |
| | Part time STEM at entry | 19% | 21% | 16% | 12% | 13% | 19% | 23% | 25% |
| NAL MATERIAL CONTRACTOR | Full time non-STEM at entry | 21% | 26% | 29% | 29% | 28% | 21% | 16% | 15% |
| Mt. Wachusett | Part time non-STEM at entry | 32% | 26% | 28% | 33% | 30% | 26% | 21% | 20% |
| | Total SSA participants enrolled in CC | 248 | 289 | 372 | 480 | 434 | 412 | 239 | 187 |
| | Total STEM degrees and certificates earned** | 16 | 14 | 16 | 32 | 55 | 54 | 75 | *** |
| | Full time STEM at entry | 21% | 24% | 24% | 26% | 28% | 28% | 29% | 29% |
| | Part time STEM at entry | 40% | 36% | 37% | 35% | 38% | 37% | 41% | 42% |
| | Full time non-STEM at entry | 11% | 15% | 15% | 13% | 10% | 10% | 10% | 11% |
| North Shore | Part time non-STEM at entry | 28% | 25% | 24% | 26% | 25% | 25% | 20% | 19% |
| | Total SSA participants enrolled in CC | 566 | 926 | 1,095 | 1,146 | 984 | 926 | 921 | 824 |
| | Total STEM degrees and certificates earned** | 5 | 40 | 5 | 134 | 144 | 176 | 161 | *** |
| | Full time STEM at entry | 24% | 29% | 37% | 38% | 40% | 40% | 37% | 39% |
| | Part time STEM at entry | 52% | 52% | 49% | 51% | 50% | 50% | 51% | 51% |
| | Full time non-STEM at entry | 11% | 8% | 5% | 5% | 5% | 5% | 4% | 3% |
| Northern Essex | Part time non-STEM at entry | 13% | 11% | 8% | 6% | 5% | 6% | 8% | 7% |
| | Total SSA participants enrolled in CC | 759 | 829 | 1,019 | 1,061 | 1,075 | 906 | 706 | 609 |
| | Total STEM degrees and certificates earned** | 13 | 55 | 13 | 154 | 177 | 190 | 213 | *** |
| | Full time STEM at entry | 29% | 30% | 31% | 29% | 26% | 26% | 27% | 27% |
| | Part time STEM at entry | 35% | 35% | 34% | 35% | 33% | 30% | 34% | 38% |
| | Full time non-STEM at entry | 20% | 17% | 16% | 17% | 19% | 20% | 17% | 14% |
| Quinsigamond | Part time non-STEM at entry | 16% | 18% | 19% | 18% | 22% | 24% | 21% | 21% |
| | Total SSA participants enrolled in CC | 768 | 888 | 1,018 | 1,079 | 1,303 | 1,252 | 708 | 500 |
| | Total STEM degrees and certificates earned** | 42 | 90 | 42 | 223 | 200 | 191 | 229 | *** |
| | Full time STEM at entry | 17% | 19% | 18% | 17% | 19% | 23% | 21% | 23% |
| | Part time STEM at entry | 45% | 44% | 42% | 43% | 43% | 40% | 39% | 39% |
| | Full time non-STEM at entry | 14% | 14% | 16% | 18% | 17% | 17% | 18% | 17% |
| Roxbury | Part time non-STEM at entry | 23% | 23% | 25% | 22% | 21% | 20% | 22% | 20% |
| | Total SSA participants enrolled in CC | 430 | 586 | 790 | 774 | 908 | 886 | 678 | 522 |
| | Total STEM degrees and certificates earned** | 0 | 23 | 0 | 70 | 75 | 79 | 81 | *** |
| | Full time STEM at entry | 40% | 36% | 35% | 32% | 30% | 31% | 30% | 31% |
| | Part time STEM at entry | 26% | 20% | 24% | 25% | 28% | 22% | 23% | 24% |
| Springfield | Full time non-STEM at entry | 13% | 23% | 21% | 24% | 21% | 23% | 21% | 18% |
| Technical | Part time non-STEM at entry | 21% | 21% | 20% | 19% | 21% | 24% | 25% | 27% |
| | Total SSA participants enrolled in CC | 157 | 250 | 353 | 452 | 524 | 594 | 504 | 319 |
| | Total STEM degrees and certificates earned** | 7 | 8 | 7 | 45 | 64 | 71 | 107 | *** |

^{*}Counts only include students with valid HEIRS IDs who were enrolled in at least one credit hour in the given fall term.

^{*}Includes all STEM degrees and certificates awarded at any institution after students' intial participation in SSA at the given community college and within the same fiscal year as the Fall term indicated (for students' first SSA institution only). Degrees and certificates are not limited to one per student.

^{***}Data are not yet available.

| | Table | : 7: Number | of Students | in the Comn | nunity Colleg | e STEM Pipe | line* | | | |
|-----------------------|----------------------|-------------|--------------------|---|---------------|--------------------|----------------------|------------------|--------------------|--|
| | | Fall 2014 | | | Fall 2015 | | Fall 2016 | | | |
| Institution | # of students in | SSA par | ticipants | # of students in the STEM pipeline | SSA par | ticipants | # of students in | SSA participants | | |
| institution | the STEM pipeline | Total # | # STEM at entry | | Total # | # STEM at entry | the STEM pipeline | Total # | # STEM at entry | |
| Berkshire | 766 | 107 | 32 | 751 | 123 | 65 | 734 | 165 | 82 | |
| Bristol | 1,055 | 240 | 137 | 1,009 | 334 | 185 | 1,029 | 392 | 183 | |
| Bunker Hill | 2,439 | 398 | 261 | 2,589 | 518 | 350 | 2,744 | 557 | 354 | |
| Cape Cod | 1,233 | 849 | 351 | 1,126 | 1,104 | 451 | 1,043 | 1,104 | 446 | |
| Greenfield | 683 | 100 | 48 | 658 | 200 | 93 | 639 | 312 | 154 | |
| Holyoke | 1,977 | 267 | 97 | 1,844 | 257 | 92 | 1,750 | 324 | 131 | |
| Mass Bay | 2,181 | 939 | 530 | 1,893 | 1,071 | 615 | 1,891 | 1,160 | 667 | |
| Massasoit | 1,874 | 125 | 83 | 1,970 | 190 | 146 | 2,022 | 201 | 157 | |
| Middlesex | 1,796 | 804 | 534 | 1,692 | 963 | 585 | 1,608 | 1,091 | 637 | |
| Mt. Wachusett | 1,700 | 248 | 116 | 1,578 | 289 | 138 | 1,574 | 372 | 158 | |
| North Shore | 2,386 | 566 | 346 | 2,245 | 926 | 553 | 2,171 | 1,095 | 675 | |
| Northern Essex | 2,698 | 759 | 576 | 2,673 | 829 | 669 | 2,625 | 1,019 | 883 | |
| Quinsigamond | 2,880 | 768 | 491 | 2,869 | 888 | 574 | 2,791 | 1,018 | 662 | |
| Roxbury | 1,209 | 430 | 269 | 1,205 | 586 | 370 | 1,102 | 790 | 471 | |
| Springfield Technical | 2,991 | 157 | 104 | 2,748 | 250 | 140 | 2,521 | 353 | 208 | |
| Total across sites | 27,868 | 6,757 | 3,975 | 26,850 | 8,528 | 5,026 | 26,244 | 9,953 | 5,868 | |

^{*}The STEM pipeline includes students that are STEM enrolled at entry, have a valid HEIRS ID, and are enrolled in a community college full or part time during the given Fall term. SSA participants include those that have a valid HEIRS ID and are enrolled in a community college full or part time during the given Fall term.

| | Table | 7: Number | of Students | in the Comm | unity Colle | ge STEM Pip | eline* | | | |
|-----------------------|----------------------|-----------|--------------------|----------------------|-------------|--------------------|----------------------|-----------|--------------------|--|
| | | Fall 2017 | | | Fall 2018 | | | Fall 2019 | | |
| Institution | # of students in | SSA par | ticipants | # of students in | SSA par | ticipants | # of students in | SSA par | ticipants | |
| institution | the STEM pipeline | Total # | # STEM at entry | the STEM pipeline | Total # | # STEM at entry | the STEM pipeline | Total # | # STEM at entry | |
| Berkshire | 632 | 277 | 92 | 553 | 300 | 132 | 543 | 251 | 137 | |
| Bristol | 980 | 444 | 158 | 901 | 382 | 149 | 963 | 322 | 119 | |
| Bunker Hill | 2,909 | 585 | 357 | 2,867 | 481 | 318 | 2,761 | 396 | 295 | |
| Cape Cod | 1,013 | 1,163 | 465 | 875 | 1,146 | 415 | 859 | 848 | 354 | |
| Greenfield | 581 | 504 | 201 | 560 | 615 | 220 | 555 | 581 | 217 | |
| Holyoke | 1,647 | 381 | 159 | 1,515 | 456 | 223 | 1,493 | 500 | 305 | |
| Mass Bay | 1,848 | 1,096 | 640 | 1,784 | 941 | 596 | 1,582 | 767 | 526 | |
| Massasoit | 1,988 | 233 | 153 | 1,975 | 180 | 135 | 1,856 | 141 | 115 | |
| Middlesex | 1,557 | 1,024 | 572 | 1,410 | 887 | 458 | 1,335 | 702 | 373 | |
| Mt. Wachusett | 1,488 | 480 | 181 | 1,437 | 434 | 179 | 1,391 | 412 | 218 | |
| North Shore | 2,116 | 1,146 | 699 | 1,974 | 984 | 643 | 1,923 | 926 | 608 | |
| Northern Essex | 2,593 | 1,061 | 947 | 2,419 | 1,075 | 972 | 2,273 | 906 | 815 | |
| Quinsigamond | 2,743 | 1,079 | 692 | 2,781 | 1,303 | 776 | 2,626 | 1,252 | 709 | |
| Roxbury | 1,019 | 774 | 465 | 1,121 | 908 | 565 | 958 | 886 | 560 | |
| Springfield Technical | 2,367 | 452 | 258 | 2,124 | 524 | 304 | 1,901 | 594 | 312 | |
| Total across sites | 25,481 | 10,699 | 6,039 | 24,296 | 10,616 | 6,085 | 23,019 | 9,484 | 5,663 | |

^{*}The STEM pipeline includes students that are STEM enrolled at entry, have a valid HEIRS ID, and are enrolled in a community college full or part time during the given Fall term. SSA participants include those that have a valid HEIRS ID and are enrolled in a community college full or part time during the given Fall term.

| Table 7: No | Table 7: Number of Students in the Community College STEM Pipeline* | | | | | | | | | |
|-----------------------|---|-----------|--------------------|----------------------|------------------|--------------------|--|--|--|--|
| | | Fall 2020 | | | Fall 2021 | | | | | |
| Institution | # of students in | SSA par | ticipants | # of students in | SSA participants | | | | | |
| institution | the STEM pipeline | Total # | # STEM at entry | the STEM pipeline | Total # | # STEM at entry | | | | |
| Berkshire | 529 | 171 | 104 | 526 | 165 | 113 | | | | |
| Bristol | 907 | 220 | 83 | 881 | 189 | 85 | | | | |
| Bunker Hill | 2,294 | 292 | 235 | 2,044 | 206 | 175 | | | | |
| Cape Cod | 813 | 528 | 274 | 770 | 376 | 194 | | | | |
| Greenfield | 480 | 401 | 185 | 383 | 251 | 112 | | | | |
| Holyoke | 1,365 | 528 | 352 | 1,154 | 369 | 230 | | | | |
| Mass Bay | 1,449 | 598 | 439 | 1,372 | 498 | 384 | | | | |
| Massasoit | 1,536 | 111 | 92 | 1,483 | 91 | 79 | | | | |
| Middlesex | 1,176 | 516 | 262 | 1,102 | 635 | 240 | | | | |
| Mt. Wachusett | 1,215 | 239 | 150 | 1,200 | 187 | 121 | | | | |
| North Shore | 1,780 | 921 | 642 | 1,780 | 824 | 580 | | | | |
| Northern Essex | 1,884 | 706 | 619 | 1,814 | 609 | 547 | | | | |
| Quinsigamond | 2,461 | 708 | 434 | 2,371 | 500 | 327 | | | | |
| Roxbury | 683 | 678 | 410 | 597 | 522 | 324 | | | | |
| Springfield Technical | 1,544 | 504 | 269 | 1,345 | 319 | 177 | | | | |
| Total across sites | 20,116 | 7,121 | 4,550 | 18,822 | 5,741 | 3,688 | | | | |

^{*}The STEM pipeline includes students that are STEM enrolled at entry, have a valid HEIRS ID, and are enrolled in a community college full or part time during the given Fall term. SSA participants include those that have a valid HEIRS ID and are enrolled in a community college full or part time during the given Fall term.

| | | Table 8: SSA | Participants' Service | e Descriptions by Ye | ar and Term* | | |
|----------|-------------|------------------|---|-------------------------------------|---|--------------|----------|
| SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| Year 1 | Spring 2014 | 448 | 111 | 103 | 101 | N/A | N/A |
| rear 1 | Summer 2014 | 786 | 710 | 548 | 505 | N/A | N/A |
| | Fall 2014 | 2,140 | 712 | 1,359 | 927 | N/A | N/A |
| Year 2 | Spring 2015 | 2,263 | 380 | 1,201 | 958 | N/A | N/A |
| | Summer 2015 | 999 | 493 | 662 | 574 | N/A | N/A |
| | Fall 2015 | 2,213 | 257 | 1,297 | 896 | N/A | N/A |
| Year 3 | Spring 2016 | 2,472 | 264 | 1,604 | 983 | N/A | N/A |
| | Summer 2016 | 1,710 | 933 | 833 | 846 | N/A | N/A |
| | Fall 2016 | 2,773 | 321 | 1,709 | 796 | N/A | 195 |
| Year 4 | Spring 2017 | 4,151 | 222 | 2,606 | 1,813 | N/A | 2,344 |
| | Summer 2017 | 1,518 | 860 | 858 | 718 | N/A | 258 |
| | Fall 2017 | 2,593 | 379 | 1,659 | 843 | N/A | 934 |
| Year 5 | Spring 2018 | 3,065 | 488 | 1,295 | 1,074 | N/A | 1,112 |
| | Summer 2018 | 1,551 | 766 | 1,097 | 775 | N/A | 540 |
| | Fall 2018 | 2,835 | 448 | 1,627 | 1,142 | N/A | 1,040 |
| Year 6 | Spring 2019 | 2,995 | 551 | 1,705 | 1,098 | N/A | 1,087 |
| | Summer 2019 | 1,120 | 603 | 841 | 684 | N/A | 297 |
| | Fall 2019 | 2,495 | 476 | 1,434 | 1,268 | 240 | 753 |
| Year 7 | Spring 2020 | 1,807 | 348 | 812 | 888 | 299 | 597 |
| | Summer 2020 | 1,313 | 606 | 960 | 1,044 | 303 | 458 |
| | Fall 2020 | 1,687 | 421 | 827 | 1,049 | 338 | 615 |
| Year 8 | Spring 2021 | 1,646 | 562 | 894 | 828 | 418 | 593 |
| | Summer 2021 | 1,318 | 425 | 961 | 782 | 343 | 616 |
| Year 9 | Fall 2021 | 1,816 | 381 | 710 | 750 | 439 | 833 |
| Unduplic | ated Totals | 30,965 | 9,194 | 19,861 | 14,456 | 1,020 | 7,697 |

^{*}Group 1–3 (Primary) participants

| | Table 8A: SSA Participants' Service Descriptions by Institution, Year, and Term* | | | | | | | | | | |
|-------------|--|----------------------------|---------------------|---|--|---|---|---|--|--|--|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose | | | |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A | | | |
| | Teal 1 | Summer 2014 | 21 | 21 | 21 | 21 | N/A | N/A | | | |
| | | Fall 2014 | 67 | 67 | 21 | 18 | | N/A | | | |
| | Year 2 | Spring 2015 | 28 | 23 | | | | | | | |
| | | Summer 2015 | 32 | 32 | | | | · | | | |
| | | Fall 2015 | 66 | 57 | | | | | | | |
| | Year 3 | Spring 2016 | 68 | 54 | | | | N/A N/A | | | |
| | | Summer 2016 | 47 | 36 | | | | • | | | |
| | Year 4 | Fall 2016 | 61 | 49 | | | | | | | |
| | Year 4 | Spring 2017 Summer 2017 | 65 | 35 | | | eceived eted STEM athway Case /or STEM Managed career unseling 0 N/A 21 N/A | | | | |
| | | Fall 2017 | 99 110 | 88 49 | | | | | | | |
| Berkshire | Year 5 | Spring 2018 | 158 | 93 | | Received targeted STEM pathway and/or STEM Career counseling 0 N/A 18 N/A 19 N/A 32 N/A 45 N/A 33 N/A 34 N/A 34 N/A 40 N/A 53 N/A 42 N/A 53 N/A 44 N/A 55 N/A 47 0 41 0 48 0 45 0 40 0 44 0 59 0 13 N/A 45 N/A 45 N/A 47 0 41 0 48 0 45 0 40 0 44 0 59 0 13 N/A 45 N/A 47 N/A 48 0 49 N/A 47 N/A 48 N/A 49 N/A 49 N/A 47 N/A 49 N/A 49 N/A 47 N/A 49 N/A 47 N/A 48 N/A 49 N/A 41 N/A 47 N/A 48 N/A 49 N/A 41 N/A 47 N/A 48 N/A 49 N/A 41 N/A | | | | | |
| | icai 5 | Summer 2018 | 105 | 100 | | | | _ | | | |
| | | Fall 2018 | 109 | 68 | | | | _ | | | |
| | Year 6 | Spring 2019 | 119 | 67 | | Received extra or targeted supports Received pathway and/or STEM career counseling Case Managed Low-Dose Managed 0 0 N/A N/A 21 21 N/A N/A 19 19 N/A N/A 32 32 N/A N/A 31 45 N/A N/A 46 33 N/A N/A 46 34 N/A N/A 46 34 N/A O 37 40 N/A O 56 68 N/A O 67 53 N/A O 47 47 O O 47 47 O O 47 47 O O 49 44 40 O 47 47 O O 47 47 O O 47 47 O O 47 47 O< | | | | | |
| | | Summer 2019 | 69 | 59 | | | | N/A | | | |
| | | Fall 2019 | 68 | 52 | | | • | - | | | |
| | Year 7 | Spring 2020 | 47 | 12 | | | 0 | 0 | | | |
| | | Summer 2020 | 48 | 25 | | | | | | | |
| | | Fall 2020 | 61 | 24 | | 45 | 0 | 0 | | | |
| | Year 8 | Spring 2021 | 57 | 25 | 14 | 40 | 0 | 0 | | | |
| | | Summer 2021 | 84 | 45 | 49 | 44 | 0 | 0 | | | |
| | Year 9 | Fall 2021 | 102 | 78 | 40 | 59 | 0 | 0 | | | |
| | Year 1 | Spring 2014 | 59 | 13 | 13 | 13 | N/A | N/A | | | |
| | rear 1 | Summer 2014 | 13 | 76 | 34 | 45 | N/A | N/A | | | |
| | | Fall 2014 | 76 | 17 | 39 | 49 | | • | | | |
| | Year 2 | Spring 2015 | 71 | 18 | | 29 | | N/A | | | |
| | | Summer 2015 | 81 | 35 | | | | | | | |
| | | Fall 2015 | 52 | 15 | | | • | • | | | |
| | Year 3 | Spring 2016 | 108 | 21 | | | | | | | |
| | | Summer 2016 | 142 | 77 | | | | | | | |
| | Voor 4 | Fall 2016 | 97 | 0 | | | | | | | |
| | Year 4 | Spring 2017 Summer 2017 | 116 | 58 | | | | | | | |
| | | Fall 2017 | 156 96 | 123 | | | | | | | |
| Bristol | Year 5 | Spring 2018 | 94 | 69 33 | | | | | | | |
| | i cai J | Summer 2018 | 119 | 80 | | | | | | | |
| | | Fall 2018 | 58 | 0 | | | • | | | | |
| | Year 6 | Spring 2019 | 55 | 0 | | | | | | | |
| | | Summer 2019 | 46 | 45 | | | | | | | |
| | | Fall 2019 | 94 | 22 | | | | | | | |
| | Year 7 | Spring 2020 | 82 | 0 | | | | N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O | | | |
| | | Summer 2020 | 86 | 36 | | | | | | | |
| | | Fall 2020 | 63 | 7 | | | 0 | 0 | | | |
| | Year 8 | Spring 2021 | 65 | 1 | | | | | | | |
| | | Summer 2021 | 103 | 46 | | | 0_ | 0 | | | |
| 1 | Year 9 | Fall 2021 | 95 | 24 | 25 | 83 | 0 | 0 | | | |

| | Table 8A: SSA Participants' Service Descriptions by Institution, Year, and Term* | | | | | | | | | | |
|-------------|--|-------------|---------------------|---|--|---|---|---|--|--|--|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose | | | |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A | | | |
| | Teal 1 | Summer 2014 | 61 | 61 | 61 | 61 | N/A | N/A | | | |
| | | Fall 2014 | 40 | 40 | 40 | 40 | N/A | N/A | | | |
| | Year 2 | Spring 2015 | 90 | 90 | 90 | 90 | N/A | N/A | | | |
| | | Summer 2015 | 57 | 57 | 57 | 57 | N/A | N/A | | | |
| | | Fall 2015 | 108 | 108 | 108 | 108 | N/A | N/A | | | |
| | Year 3 | Spring 2016 | 105 | 0 | 105 | 105 | N/A | N/A | | | |
| | | Summer 2016 | 130 | 114 | 130 | 130 | N/A | N/A | | | |
| | | Fall 2016 | 60 | 0 | 60 | 0 | N/A | N/A | | | |
| | Year 4 | Spring 2017 | 104 | 0 | 104 | 33 | N/A | 0 | | | |
| | | Summer 2017 | 117 | 83 | 93 | 93 | N/A | 0 | | | |
| Bunker Hill | | Fall 2017 | 100 | 12 | 19 | 11 | N/A | 0 | | | |
| sunker mill | Year 5 | Spring 2018 | 89 | 40 | 49 | 34 | N/A | 0 | | | |
| | | Summer 2018 | 106 | 62 | 94 | 36 | N/A | 0 | | | |
| | | Fall 2018 | 10 | 10 | 0 | 0 | N/A | 0 | | | |
| | Year 6 | Spring 2019 | 31 | 9 | 22 | 22 | N/A | 0 | | | |
| | | Summer 2019 | 78 | 34 | 78 | 42 | N/A | N/A | | | |
| | | Fall 2019 | 39 | 0 | 36 | 0 | 0 | 0 | | | |
| | Year 7 | Spring 2020 | 31 | 0 | 31 | 31 | 0 | 0 | | | |
| | | Summer 2020 | 50 | 50 | 50 | 50 | 0 | 0 | | | |
| | | Fall 2020 | 7 | 6 | 0 | 0 | 0 | 0 | | | |
| | Year 8 | Spring 2021 | 32 | 22 | 0 | 0 | 0 | 0 | | | |
| | | Summer 2021 | 71 | 62 | 46 | 46 | 0 | 0 | | | |
| | Year 9 | Fall 2021 | 20 | 0 | 0 | 20 | 0 | 0 | | | |
| | Voor 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A | | | |
| | Year 1 | Summer 2014 | 5 | 5 | 5 | 5 | N/A | N/A | | | |
| | | Fall 2014 | 300 | 29 | 300 | 46 | N/A | N/A | | | |
| | Year 2 | Spring 2015 | 320 | 37 | 98 | 98 | N/A | N/A | | | |
| | | Summer 2015 | 103 | 31 | 103 | 103 | N/A | N/A | | | |
| | | Fall 2015 | 348 | 20 | 273 | 99 | N/A | N/A | | | |
| | Year 3 | Spring 2016 | 406 | 28 | 330 | 89 | N/A | N/A | | | |
| | | Summer 2016 | 112 | 38 | 110 | 55 | N/A | N/A | | | |
| | | Fall 2016 | 364 | 10 | 313 | 67 | N/A | N/A | | | |
| | Year 4 | Spring 2017 | 464 | 20 | 402 | 94 | N/A | N/A | | | |
| | | Summer 2017 | 108 | 35 | 103 | 22 | N/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A 0 0 0 | | | | |
| Cape Cod | | Fall 2017 | 422 | 42 | 343 | 125 | N/A | 0 | | | |
| Cape Cou | Year 5 | Spring 2018 | 482 | 0 | 97 | 60 | N/A | 0 | | | |
| | | Summer 2018 | 20 | 20 | 0 | 20 | | 0 | | | |
| | | Fall 2018 | 553 | 18 | 455 | 121 | | | | | |
| | Year 6 | Spring 2019 | 562 | 30 | 403 | 148 | N/A | 0 | | | |
| | | Summer 2019 | 50 | 11 | 37 | 0 | N/A | 0 | | | |
| | | Fall 2019 | 197 | 44 | 60 | 122 | | 0 | | | |
| | Year 7 | Spring 2020 | 160 | 24 | 18 | 0 | | | | | |
| | | Summer 2020 | 36 | 18 | 83 | 81 | 0 | 0 | | | |
| | | Fall 2020 | 154 | 45 | 81 | 61 | 0 | | | | |
| | Year 8 | Spring 2021 | 71 | 21 | 22 | 14 | 0 | 0 | | | |
| | | Summer 2021 | 34 | 1 | 10 | 0 | 0 | | | | |
| | Year 9 | Fall 2021 | 117 | 40 | 18 | 3 | 0 | 0 | | | |

| | Table | e 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Ye | ear, and Term* | | |
|-------------|----------------------------|--------------------------|---------------------|---|--|---|-----------------|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A |
| | Teal 1 | Summer 2014 | 18 | 18 | 12 | 18 | N/A | N/A |
| | | Fall 2014 | 4 | 0 | 4 | 4 | N/A | N/A |
| | Year 2 | Spring 2015 | 9 | 0 | 7 | 0 | N/A | N/A |
| | | Summer 2015 | 19 | 19 | 19 | 19 | N/A | N/A |
| | | Fall 2015 | 11 | 11 | 11 | 0 | N/A | • |
| | Year 3 | Spring 2016 | 28 | 28 | 4 | 0 | N/A | |
| | | Summer 2016 | 27 | 27 | 22 | 22 | N/A | · |
| | ., . | Fall 2016 | 28 | 5 | 28 | 0 | N/A | |
| | Year 4 | Spring 2017 | 29 | 10 | 29 | 19 | N/A | _ |
| | | Summer 2017 | 43 | 43 | 7 | 43 | N/A | |
| Greenfield | Year 5 | Fall 2017 Spring 2018 | 205 | 0 | 205 | 0 | N/A | - |
| | rears | Summer 2018 | 273 | 0 71 | 0 | 0 | N/A N/A | - |
| | | Fall 2018 | 71 297 | 71 0 | 71 222 | 71 43 | N/A | |
| | Year 6 | Spring 2019 | | - | | 0 | N/A N/A | |
| | Teal 0 | Summer 2019 | 256 92 | 0 92 | 205 92 | 92 | N/A | _ |
| | | Fall 2019 | 194 | 0 | 194 | 49 | N/A 0 | |
| | Year 7 | Spring 2020 | 78 | 12 | 78 | 38 | 0 | _ |
| | l rear / | Summer 2020 | 90 | 88 | 90 | 90 | 0 | |
| | | Fall 2020 | 44 | 8 | 42 | 42 | 0 | _ |
| | Year 8 | Spring 2021 | 58 | 25 | 53 | 53 | 0 | |
| | | Summer 2021 | 82 | 75 | 16 | 16 | 0 | |
| | Year 9 | Fall 2021 | 22 | 9 | 22 | 22 | 0 | |
| | rear 5 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | |
| | Year 1 | Summer 2014 | 72 | 72 | 71 | 71 | N/A | |
| | | Fall 2014 | 149 | 141 | 149 | 7 | N/A | , |
| | Year 9 Year 1 Year 2 | Spring 2015 | 22 | 17 | 17 | 19 | N/A | |
| | | Summer 2015 | 66 | 41 | 66 | 66 | N/A | |
| | | Fall 2015 | 0 | 0 | 0 | 0 | N/A | N/A |
| | Year 3 | Spring 2016 | 14 | 14 | 14 | 14 | N/A | N/A |
| | | Summer 2016 | 41 | 41 | 41 | 41 | N/A | N/A |
| | | Fall 2016 | 11 | 11 | 11 | 7 | N/A | N/A |
| | Year 4 | Spring 2017 | 6 | 6 | 0 | 6 | N/A | N/A |
| | | Summer 2017 | 38 | 38 | 38 | 38 | N/A | 0 |
| Holyoke | | Fall 2017 | 60 | 60 | 60 | 35 | N/A | 0 |
| Holyoke | Year 5 | Spring 2018 | 47 | 47 | 47 | 33 | N/A | |
| | | Summer 2018 | 34 | 34 | 34 | 34 | N/A | |
| | | Fall 2018 | 44 | 44 | 44 | 44 | N/A | |
| | Year 6 | Spring 2019 | 103 | 103 | 103 | 82 | N/A | |
| | | Summer 2019 | 30 | 30 | 30 | 30 | N/A | |
| | V- 7 | Fall 2019 | 76 | 76 | 76 | 76 | 0 | |
| | Year 7 | Spring 2020 | 98 | 98 | 98 | 98 | 0 | |
| | | Summer 2020 | 177 | 177 | 177 | 177 | 0 | |
| | Voca 9 | Fall 2020 | 152 | 152 | 152 | 152 | 0 | |
| | Year 8 | Spring 2021 | 143 | 143 | 143 | 143 | | |
| | Voca | Summer 2021 Fall 2021 | 54 115 | 54 | 54 | 54 | 0 | |
| | Year 9 | 1 011 2021 | 113 | 115 | 115 | 115 | U | U |

| | Tabl | e 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Yo | ear, and Term* | | |
|-------------|----------|------------------|---------------------|---|--|---|-----------------|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A |
| | real 1 | Summer 2014 | 154 | 154 | 154 | 154 | N/A | NA |
| | | Fall 2014 | 374 | 5 | 306 | 70 | N/A | N/A |
| | Year 2 | Spring 2015 | 490 | 15 | 292 | 264 | N/A | N/A |
| | | Summer 2015 | 145 | 14 | 83 | 72 | N/A | N/A |
| | | Fall 2015 | 447 | 1 | 271 | 197 | N/A | N/A |
| | Year 3 | Spring 2016 | 454 | 1 | 214 | 244 | N/A | N/A |
| | | Summer 2016 | 183 | 32 | 73 | 147 | N/A | N/A |
| | | Fall 2016 | 493 | 2 | 247 | 252 | N/A | N/A |
| | Year 4 | Spring 2017 | 432 | 4 | 181 | 255 | N/A | 0 |
| | | Summer 2017 | 115 | 46 | 65 | 72 | N/A | 0 |
| Mass Bay | | Fall 2017 | 431 | 5 | 217 | 220 | N/A | 0 |
| viass bay | Year 5 | Spring 2018 | 444 | 22 | 195 | 257 | N/A | 0 |
| | | Summer 2018 | 106 | 34 | 29 | 77 | N/A | 0 |
| | | Fall 2018 | 296 | 15 | 53 | 243 | N/A | 0 |
| | Year 6 | Spring 2019 | 299 | 24 | 63 | 253 | N/A | 0 |
| | | Summer 2019 | 86 | 37 | 43 | 74 | N/A | N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O |
| | | Fall 2019 | 246 | 4 | 14 | 237 | 0 | 0 |
| | Year 7 | Spring 2020 | 157 | 5 | 13 | 147 | 0 | |
| | | Summer 2020 | 119 | 28 | 25 | 59 | 0 | _ |
| | | Fall 2020 | 206 | 2 | 6 | 206 | 0 | |
| | Year 8 | Spring 2021 | 198 | 26 | 0 | 198 | 0 | 0 |
| | | Summer 2021 | 94 | 38 | 38 | 92 | 0 | |
| | Year 9 | Fall 2021 | 226 | 1 | 0 | 222 | 0 | 0 |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | • |
| | rear 1 | Summer 2014 | 48 | 0 | 48 | 0 | N/A | N/A |
| | | Fall 2014 | 14 | 14 | 0 | 14 | N/A | |
| | Year 2 | Spring 2015 | 29 | 16 | 13 | 16 | N/A | N/A |
| | | Summer 2015 | 29 | 16 | 13 | 16 | N/A | |
| | | Fall 2015 | 91 | 15 | 0 | 91 | N/A | - |
| | Year 3 | Spring 2016 | 127 | 18 | 0 | 127 | N/A | |
| | | Summer 2016 | 20 | 20 | 0 | 20 | N/A | · · |
| | | Fall 2016 | 37 | 12 | 0 | 37 | N/A | |
| | Year 4 | Spring 2017 | 51 | 18 | 0 | 51 | N/A | |
| | | Summer 2017 | 125 | 13 | 26 | 13 | N/A | |
| Massasoit | | Fall 2017 | 67 | 13 | 0 | 43 | N/A | - |
| | Year 5 | Spring 2018 | 121 | 17 | 0 | 121 | N/A | |
| | | Summer 2018 | 16 | 16 | 0 | 16 | N/A | |
| | | Fall 2018 | 27 | 20 | 0 | 27 | N/A | |
| | Year 6 | Spring 2019 | 54 | 20 | 0 | 54 | N/A | |
| | | Summer 2019 | 18 | 18 | 0 | 18 | N/A | |
| | = | Fall 2019 | 40 | 17 | 0 | 40 | 0 | |
| | Year 7 | Spring 2020 | 45 | 19 | 0 | 45 | 0 | |
| | | Summer 2020 | 12 | 12 | 0 | 12 | 0 | - |
| | | Fall 2020 | 31 | 18 | 0 | 31 | 0 | |
| | Year 8 | Spring 2021 | 34 | 19 | 0 | 34 | 0 | N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O |
| | | Summer 2021 | 42 | 8 | 0 | 8 | 0 | |
| | Year 9 | Fall 2021 | 8 | 15 | 0 | 42 | 0 | 0 |

| | Table | e 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Y | ear, and Term* | | |
|--|--|----------------------------|---------------------|---|--|---|---|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Voor 1 | Spring 2014 | 101 | 26 | 20 | 45 | N/A | N/A |
| | real 1 | Summer 2014 | 45 | 33 | 45 | 33 | N/A | N/A |
| | | Fall 2014 | 172 | 16 | 144 | 148 | N/A | N/A |
| | Year 2 | Spring 2015 | 173 | 9 | 173 | 97 | • | · |
| | | Summer 2015 | 137 | 4 | 137 | 120 | | |
| | | Fall 2015 | 158 | 47 | 158 | 146 | • | N/A |
| | Year 3 | Spring 2016 | 151 | 7 | 151 | 66 | | N/A |
| | | Summer 2016 | 142 | 113 | 142 | 64 | <u> </u> | • |
| | | | 120 | 8 | 117 | 36 | | |
| | Year 4 | Spring 2017 | 656 | 15 | 154 | 332 | M Case Low-Dose N/A | - |
| | | Summer 2017 | 213 | 32 | 80 | 21 | | |
| Middlesex | | | 199 | 0 | 0 | 0 | | |
| ······································ | SSA Year Term Year 1 Spring 2 Summer Year 2 Spring 2 Summer Year 3 Spring 2 Summer Year 4 Spring 2 Summer Year 5 Spring 2 Summer Year 6 Spring 2 Summer Year 7 Spring 2 Summer Year 8 Spring 2 Summer Year 9 Fall 2001 Year 9 Fall 202 Year 1 Spring 2 Summer Year 2 Spring 2 Summer Year 3 Spring 2 Summer Year 4 Spring 2 Summer Year 5 Spring 2 Summer Year 6 Spring 2 Summer Year 7 Spring 2 Summer Year 6 Spring 2 Summer Year 7 Spring 2 Summer Year 8 Spring 2 Summer Year 9 Fall 2012 | Spring 2018 | 222 | 76 | 145 | 0 | | - |
| | | Summer 2018 | 70 | 65 | 70 | 22 | | _ |
| | | | 235 | 2 | 0 | 100 | | |
| | Year 6 | Spring 2019 | 186 | 11 | 62 | 16 | Case Managed Low-Dose N/A N/A N/A N/A | |
| | | Summer 2019 | 79 | 54 | 78 | 51 | | |
| | | | 184 | 57 | 0 | 42 | | _ |
| | Year 7 | Spring 2020 | 21 | 21 | 6 | 15 | | |
| | | Summer 2020 | 53 | 51 | 15 | 12 | | _ |
| | | | 43 | 0 | 23 | 13 | | N/A |
| | Year 8 | Spring 2021 | 61 | 43 | 43 | 4 | | |
| | | Summer 2021 | 27 | 3 | 2 | 5 | | |
| | Year 9 | Fall 2021 | 420 | 30 | 30 | 58 | 0 | 0 |
| | Year 1 | Spring 2014 | 236 | 0 | 0 | 0 | | |
| | | Summer 2014 | 137 | 137 | 0 | 23 | <u> </u> | • |
| | | Fall 2014 | 337 | 0 | 0 | 235 | | |
| | Year 2 | Spring 2015 | 416 | 0 | 0 | 8 | | |
| | | Summer 2015 | 18 | 18 | 2 | 16 | | |
| | | | 385 | 0 | 50 | 76 | • | |
| | Year 3 | Spring 2016 | 120 | 0 | 32 | 83 | | |
| | | Summer 2016 | 69 | 69 | 69 | 56 | • | · · |
| | | | 475 | 0 | 21 | 161 | | |
| | Year 4 | | 521 | 0 | 208 | 343 | | |
| | | Summer 2017 | 75 | 75 | 75 | 75 | | |
| Mt. Wachusett | | | 157 | 111 | 80 | 103 | | |
| | rear 5 | Spring 2018 Summer 2018 | 103 | 103 | 8 | 50 | | |
| | | | 64 | 50 | 50 | 50 | • | |
| | Voor | | 128 | 122 | 86 | 86 | | |
| | rear 6 | | 73 | 73 | 73 | 73 | | 0 0 0 N/A N/A N/A N/A N/A N/A N/A N/A N/A O 0 0 0 0 0 0 0 0 0 0 |
| | | | 46 | 46 | 46 | 46 | | |
| | V005 7 | | 141 | 141 | 106 | 106 | | N/A |
| | rear / | | 129 | 29 | 60 | 45 | | |
| | | | 18 | 18 | 18 | 18 | | |
| | Voor 9 | | 38 | 17 | 22 | 38 | | |
| | rear 8 | | 52 | 0 | 0 | 52 | | |
| | V 2 | Summer 2021 | 57 40 | 33 | 26 | 21 | | |
| | rear 9 | rdii 2021 | 40 | 1 | 11 | 23 | U | U |

| | Tabl | e 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Y | ear, and Term* | | |
|----------------|----------|------------------|---------------------|---|--|---|---|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A |
| | Teal 1 | Summer 2014 | 55 | 55 | 55 | 31 | N/A | N/A |
| | | Fall 2014 | 75 | 75 | 75 | 0 | N/A | N/A |
| | Year 2 | Spring 2015 | 126 | 126 | 126 | 0 | N/A | N/A |
| | | Summer 2015 | 67 | 32 | 67 | 18 | N/A | N/A |
| | | Fall 2015 | 275 | 22 | 253 | 0 | N/A | N/A |
| | Year 3 | Spring 2016 | 226 | 13 | 226 | 103 | N/A | N/A |
| | | Summer 2016 | 76 | 76 | 11 | 39 | N/A | N/A |
| | | Fall 2016 | 199 | 199 | 199 | 0 | Case Cow-Dose Case Cow-Dose Career Counseling Case Cow-Dose Case Cow-Dose Career Counseling Case Cow-Dose Career Counseling Case Case | |
| | Year 4 | Spring 2017 | 728 | 19 | 728 | 228 | N/A | 0 |
| | | Summer 2017 | 193 | 193 | 193 | 193 | N/A | 0 |
| North Shore | | Fall 2017 | 147 | 17 | 147 | 147 | N/A | 0 |
| North Shore | Year 5 | Spring 2018 | 347 | 0 | 183 | 142 | N/A | 0 |
| | | Summer 2018 | 182 | 117 | 130 | 51 | N/A | 0 |
| | | Fall 2018 | 75 | 22 | 56 | 0 | N/A | 0 |
| | Year 6 | Spring 2019 | 251 | 16 | 239 | 45 | N/A | N/A |
| | | Summer 2019 | 118 | 96 | 49 | 21 | N/A | 0 |
| | | Fall 2019 | 59 | 4 | 7 | 1 | 0 | 0 |
| | Year 7 | Spring 2020 | 267 | 14 | 6 | 7 | 0 | 0 |
| | | Summer 2020 | 300 | 25 | 300 | 266 | 0 | 0 |
| | | Fall 2020 | 286 | 3 | 30 | 280 | 0 | 0 |
| | Year 8 | Spring 2021 | 220 | 0 | 220 | 166 | 0 | 0 |
| | | Summer 2021 | 435 | 4 | 435 | 309 | 0 | 0 |
| | Year 9 | Fall 2021 | 208 | 56 | 134 | 39 | 0 | 0 |
| | Van 1 | Spring 2014 | 2 | 2 | 0 | 0 | N/A | N/A |
| | Year 1 | Summer 2014 | 16 | 0 | 0 | 16 | N/A | N/A |
| | | Fall 2014 | 233 | 5 | 233 | 228 | N/A | N/A |
| | Year 2 | Spring 2015 | 117 | 20 | 100 | 0 | N/A | N/A |
| | | Summer 2015 | 108 | 71 | 34 | 0 | N/A | N/A |
| | | Fall 2015 | 64 | 0 | 0 | 0 | N/A | N/A |
| | Year 3 | Spring 2016 | 213 | 7 | 152 | 0 | N/A | N/A |
| | | Summer 2016 | 255 | 0 | 26 | 0 | N/A | N/A |
| | | Fall 2016 | 132 | 0 | 101 | 0 | N/A | N/A |
| | Year 4 | Spring 2017 | 159 | 12 | 109 | 0 | N/A | N/A |
| | | Summer 2017 | 111 | 15 | 24 | 0 | | |
| Northern Essex | | Fall 2017 | 193 | 1 | 187 | 0 | N/A | 0 |
| NOI them 1336x | Year 5 | Spring 2018 | 251 | 43 | 180 | 0 | N/A | 0 |
| | | Summer 2018 | 100 | 29 | 40 | | N/A | 0 |
| | | Fall 2018 | 321 | 35 | 192 | | | |
| | Year 6 | Spring 2019 | 301 | 48 | 188 | | | 0 |
| | | Summer 2019 | 56 | 16 | 28 | 0 | N/A | 0 |
| | _ | Fall 2019 | 226 | 6 | 208 | 0 | | N/A |
| | Year 7 | Spring 2020 | 225 | 32 | 131 | | | |
| | | Summer 2020 | 82 | 6 | 28 | 0 | 0 | N/A |
| | | Fall 2020 | 146 | 12 | 131 | | | |
| | Year 8 | Spring 2021 | 257 | 77 | 89 | | | N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O |
| | | Summer 2021 | 55 | 1 | 15 | 0 | | 0 |
| | Year 9 | Fall 2021 | 188 | 12 | 160 | 0 | 0 | 0 |

| | Table | e 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Y | ear, and Term* | | |
|--------------|----------|------------------|---------------------|---|--|---|-----------------|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Year 1 | Spring 2014 | 79 | 53 | 53 | 26 | N/A | N/A |
| | rear 1 | Summer 2014 | 36 | 36 | 0 | 18 | N/A | N/A |
| | | Fall 2014 | 265 | 265 | 0 | 58 | N/A | N/A |
| | Year 2 | Spring 2015 | 311 | 0 | 177 | 311 | N/A | N/A |
| | | Summer 2015 | 0 | 0 | 0 | 0 | N/A | N/A |
| | | Fall 2015 | 97 | 0 | 89 | 83 | N/A | N/A |
| | Year 3 | Spring 2016 | 71 | 71 | 15 | 38 | N/A | N/A |
| | | Summer 2016 | 201 | 201 | 0 | 148 | | |
| | | Fall 2016 | 215 | 1 | | targeted STEM pathway and/or STEM Career counseling 26 N/A 18 N/A 58 N/A 311 N/A 0 N/A 83 N/A 38 N/A | | |
| | Year 4 | Spring 2017 | 434 | 5 | 388 | | | 0 |
| | | Summer 2017 | 34 | 25 | 9 | | | 0 |
| Quinsigamond | | Fall 2017 | 119 | 0 | 93 | | N/A | 0 |
| Quinsigamonu | Year 5 | Spring 2018 | 273 | 0 | 199 | 201 | | 0 |
| | | Summer 2018 | 414 | 18 | 413 | 200 | N/A | 0 |
| | | Fall 2018 | 286 | 0 | 269 | 184 | | 0 |
| | Year 6 | Spring 2019 | 304 | 1 | 245 | 89 83 N/A N/ 15 38 N/A N/ 0 148 N/A N/ 102 137 N/A N/ 388 363 N/A 0 9 13 N/A 0 99 13 N/A 0 199 201 N/A 0 413 200 N/A 0 269 184 N/A 0 245 178 N/A 0 2210 136 N/A 0 523 292 0 0 118 118 0 0 104 104 0 0 77 77 0 0 67 65 0 0 94 88 0 0 17 17 N/A N/A 7 7 N/A N/A 7 7 | 0 | |
| | | Summer 2019 | 210 | 9 | 210 | 136 | N/A | 0 |
| | | Fall 2019 | 523 | 8 | 523 | 292 | 0 | 0 |
| | Year 7 | Spring 2020 | 126 | 9 | 118 | 118 | 0 | 0 |
| | | Summer 2020 | 104 | 0 | 104 | 104 | 0 | 0 |
| | | Fall 2020 | 77 | 0 | 77 | 77 | 0 | 0 |
| | Year 8 | Spring 2021 | 67 | 0 | 67 | 65 | 0 | N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O |
| | | Summer 2021 | 94 | 0 | 94 | 88 | 0 | 0 |
| | Year 9 | Fall 2021 | 75 | 0 | 75 | 64 | 0 | 0 |
| | Voor 1 | Spring 2014 | 17 | 17 | 17 | 17 | N/A | N/A |
| | Year 1 | Summer 2014 | 9 | 9 | 9 | 9 | N/A | N/A |
| | | Fall 2014 | 7 | 7 | 7 | 7 | N/A | N/A |
| | Year 2 | Spring 2015 | 7 | 7 | 7 | 7 | N/A | N/A |
| | | Summer 2015 | 59 | 52 | 0 | 0 | N/A | N/A |
| | | Fall 2015 | 32 | 0 | 12 | 0 | N/A | N/A |
| | Year 3 | Spring 2016 | 136 | 0 | 267 | 0 | N/A | N/A |
| | | Summer 2016 | 294 | 42 | 67 | 0 | N/A | N/A |
| | | Fall 2016 | 322 | 0 | 322 | 0 | N/A | N/A |
| | Year 4 | Spring 2017 | 267 | 0 | 236 | 0 | N/A | N/A |
| | | Summer 2017 | 40 | 0 | 40 | 0 | N/A | 0 |
| Davleymy | | Fall 2017 | 268 | 0 | 203 | 0 | N/A | 0 |
| Roxbury | Year 5 | Spring 2018 | 72 | 0 | 21 | 34 | N/A | 0 |
| | | Summer 2018 | 53 | 0 | 16 | 29 | N/A | 0 |
| | | Fall 2018 | 304 | 0 | 70 | 202 | N/A | 0 |
| | Year 6 | Spring 2019 | 252 | 0 | 45 | | | 0 |
| | | Summer 2019 | 48 | 0 | 0 | | N/A | 0 |
| | | Fall 2019 | 280 | 0 | 15 | 173 | 0 | 0 |
| | Year 7 | Spring 2020 | 229 | 0 | 55 | 145 | 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| | | Summer 2020 | 66 | 0 | 25 | | 0 | 0 |
| | | Fall 2020 | 252 | 0 | 92 | | 0 | 0 |
| ĺ | Year 8 | Spring 2021 | 171 | 0 | 74 | | | N/A |
| | | Summer 2021 | 65 | 0 | 20 | | 0 | 0 |
| Î | Year 9 | Fall 2021 | 146 | 0 | 80 | | | 0 |

| | Table | 8A: SSA Partic | ipants' Service | Descriptions b | y Institution, Ye | ear, and Term* | | |
|-----------------------|----------|----------------|---------------------|---|--|---|-----------------|---|
| Institution | SSA Year | Term | SSA participants | Received direct (SSA grant subsidized) financial support | Received extra or targeted supports | Received targeted STEM pathway and/or STEM career counseling | Case Managed | Low-Dose |
| | Year 1 | Spring 2014 | 0 | 0 | 0 | 0 | N/A | N/A |
| | Teal 1 | Summer 2014 | 33 | 33 | 33 | 0 | N/A | N/A |
| | | Fall 2014 | 44 | 31 | 41 | 3 | N/A | N/A |
| | Year 2 | Spring 2015 | 54 | 2 | 30 | 0 | N/A | N/A |
| | | Summer 2015 | 78 | 28 | 28 | 28 | N/A | N/A |
| | | Fall 2015 | 79 | 4 | 19 | 14 | N/A | N/A |
| | Year 3 | Spring 2016 | 87 | 2 | 34 | 17 | N/A | N/A |
| | | Summer 2016 | 129 | 47 | 54 | 49 | N/A | N/A N/A N/A N/A N/A |
| | V 4 | Fall 2016 | 159 | 24 | 84 | 12 | N/A | |
| | Year 4 | Spring 2017 | 119 | 20 | 20 | 14 | N/A | 0 |
| | | Summer 2017 | 51 | 51 | 51 | 51 | N/A | 0 |
| Springfield Technical | | Fall 2017 | 19 | 0 | 19 | 19 | N/A | 0 |
| Springheid recinical | Year 5 | Spring 2018 | 89 | 14 | 89 | 17 | N/A | 0 |
| | | Summer 2018 | 91 | 70 | 91 | 70 | N/A | 0 |
| | | Fall 2018 | 92 | 92 | 92 | 0 | N/A | 0 |
| | Year 6 | Spring 2019 | 149 | 149 | 2 | 0 | N/A | 0 |
| | | Summer 2019 | 94 | 56 | 94 | 56 | N/A | |
| | | Fall 2019 | 128 | 45 | 128 | 0 | 0 | 0 |
| | Year 7 | Spring 2020 | 112 | 73 | 112 | 0 | 0 | 0 |
| | | Summer 2020 | 72 | 72 | 72 | 60 | 0 | 0 |
| | | Fall 2020 | 127 | 127 | 127 | 48 | 0 | 0 |
| | Year 8 | Spring 2021 | 160 | 160 | 160 | 0 | 0 | N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O |
| | | Summer 2021 | 55 | 55 | 55 | 0 | 0 | 0 |
| | Year 9 | Fall 2021 | 0 | 0 | 0 | 0 | 0 | 0 |

^{*}Group 1–3 (Primary) participants

| | | Т | able 9: Prima | ry Participan | t Race/Ethni | city by Year o | f Participatio | n | | | |
|--------------------|---------------------------|-------|--|---------------|--------------|----------------|-----------------|-------------------------|-------|---|--------|
| Year | Non- resident Alien | Black | American Indian or Alaskan Native | Latinx | White | Unknown | Cape Verdean | Two or more races | Asian | Native Hawaiian or Other Pacific Islander | Total |
| Year 1 | 11 | 112 | 3 | 206 | 538 | 25 | 12 | 31 | 62 | 0 | 1,000 |
| Year 2 | 45 | 466 | 13 | 831 | 1,919 | 111 | 33 | 110 | 237 | 3 | 3,768 |
| Year 3 | 85 | 838 | 21 | 968 | 2,285 | 106 | 48 | 127 | 278 | 8 | 4,764 |
| Year 4 | 100 | 1,121 | 23 | 1,271 | 2,807 | 155 | 73 | 197 | 433 | 5 | 6,185 |
| Year 5 | 69 | 902 | 17 | 1,153 | 2,978 | 192 | 38 | 189 | 328 | 6 | 5,872 |
| Year 6 | 72 | 1,020 | 17 | 1,184 | 2,629 | 128 | 40 | 190 | 350 | 13 | 5,643 |
| Year 7 | 62 | 810 | 18 | 984 | 1,969 | 114 | 25 | 150 | 233 | 6 | 4,371 |
| Year 8 | 41 | 623 | 14 | 735 | 1,543 | 86 | 21 | 133 | 181 | 5 | 3,382 |
| Year 9 | 32 | 273 | 2 | 409 | 792 | 58 | 12 | 66 | 140 | 1 | 1,785 |
| Unduplicated Total | 389 | 4,755 | 96 | 6,087 | 13,471 | 801 | 230 | 933 | 1,695 | 32 | 28,489 |

^{*}Includes Group 1–3 (Primary) SSA participants with valid HEIRS ID

| Table | e 9A: SSA Par | ticipant Race | /Ethnicity by | Institution a | nd Year of Pa | rticipation* | |
|-------------|---------------|---------------|---------------|---------------|---------------|--------------|---------|
| Institution | SSA Year | Asian | Black | Lantinx | White | Other | Unknown |
| | Year 1 | 1 | 2 | 1 | 16 | 1 | 0 |
| | Year 2 | 4 | 3 | 4 | 93 | 1 | 4 |
| | Year 3 | 4 | 5 | 12 | 81 | 2 | 4 |
| | Year 4 | 10 | 8 | 21 | 104 | 5 | 6 |
| Berkshire | Year 5 | 7 | 24 | 26 | 183 | 12 | 22 |
| | Year 6 | 6 | 18 | 23 | 139 | 9 | 12 |
| | Year 7 | 3 | 12 | 14 | 55 | 8 | 4 |
| | Year 8 | 3 | 15 | 19 | 63 | 5 | 4 |
| | Year 9 | 5 | 16 | 18 | 52 | 5 | 4 |
| | Year 1 | 4 | 6 | 7 | 61 | 5 | 0 |
| | Year 2 | 8 | 18 | 12 | 109 | 8 | 7 |
| | Year 3 | 9 | 21 | 24 | 164 | 18 | 10 |
| | Year 4 | 8 | 34 | 30 | 186 | 14 | 27 |
| Bristol | Year 5 | 6 | 24 | 19 | 157 | 10 | 35 |
| | Year 6 | 6 | 13 | 10 | 88 | 7 | 8 |
| | Year 7 | 6 | 16 | 13 | 91 | 9 | 3 |
| | Year 8 | 12 | 21 | 9 | 70 | 5 | 7 |
| | Year 9 | 6 | 13 | 9 | 56 | 3 | 6 |
| | Year 1 | 3 | 21 | 17 | 16 | 0 | 1 |
| | Year 2 | 16 | 57 | 43 | 40 | 7 | 18 |
| | Year 3 | 32 | 78 | 71 | 73 | 9 | 44 |
| | Year 4 | 37 | 59 | 56 | 61 | 3 | 43 |
| Bunker Hill | Year 5 | 38 | 64 | 79 | 41 | 8 | 41 |
| | Year 6 | 21 | 29 | 23 | 22 | 0 | 12 |
| | Year 7 | 12 | 30 | 26 | 23 | 2 | 22 |
| | Year 8 | 8 | 21 | 21 | 28 | 0 | 14 |
| | Year 9 | 1 | 3 | 3 | 7 | 0 | 6 |
| | Year 1 | 0 | 1 | 0 | 4 | 0 | 0 |
| | Year 2 | 11 | 52 | 59 | 396 | 27 | 8 |
| | Year 3 | 25 | 80 | 72 | 459 | 29 | 15 |
| | Year 4 | 28 | 82 | 79 | 512 | 46 | 18 |
| Cape Cod | Year 5 | 31 | 72 | 73 | 482 | 39 | 22 |
| | Year 6 | 33 | 99 | 102 | 599 | 44 | 20 |
| | Year 7 | 11 | 14 | 17 | 180 | 10 | 7 |
| | Year 8 | 10 | 18 | 18 | 121 | 11 | 6 |
| | Year 9 | 9 | 18 | 12 | 71 | 1 | 1 |

| Tabl | le 9A: SSA Part | ticipant Race | e/Ethnicity by | Institution a | nd Year of Pa | rticipation* | |
|-------------|-----------------|---------------|----------------|---------------|---------------|--------------|---------|
| Institution | SSA Year | Asian | Black | Lantinx | White | Other | Unknown |
| | Year 1 | 0 | 0 | 1 | 12 | 1 | 0 |
| | Year 2 | 2 | 0 | 1 | 19 | 2 | 0 |
| | Year 3 | 1 | 3 | 3 | 49 | 3 | 4 |
| | Year 4 | 4 | 2 | 4 | 57 | 4 | 6 |
| Greenfield | Year 5 | 18 | 17 | 45 | 343 | 24 | 20 |
| | Year 6 | 25 | 24 | 46 | 356 | 21 | 20 |
| | Year 7 | 8 | 16 | 34 | 214 | 12 | 12 |
| | Year 8 | 3 | 8 | 7 | 116 | 4 | 2 |
| | Year 9 | 2 | 0 | 0 | 17 | 1 | 2 |
| | Year 1 | 2 | 9 | 9 | 31 | 2 | 2 |
| | Year 2 | 3 | 22 | 69 | 103 | 9 | 7 |
| | Year 3 | 2 | 4 | 19 | 25 | 3 | 0 |
| | Year 4 | 3 | 7 | 19 | 18 | 1 | 6 |
| Holyoke | Year 5 | 2 | 13 | 31 | 67 | 5 | 4 |
| | Year 6 | 3 | 19 | 52 | 65 | 8 | 7 |
| | Year 7 | 14 | 22 | 64 | 183 | 11 | 11 |
| | Year 8 | 13 | 14 | 64 | 168 | 8 | 11 |
| | Year 9 | 1 | 5 | 53 | 48 | 4 | 2 |
| | Year 1 | 9 | 13 | 13 | 49 | 1 | 11 |
| | Year 2 | 35 | 117 | 118 | 332 | 15 | 63 |
| | Year 3 | 38 | 139 | 143 | 358 | 10 | 47 |
| | Year 4 | 39 | 111 | 146 | 382 | 12 | 38 |
| Mass Bay | Year 5 | 39 | 100 | 147 | 387 | 12 | 38 |
| | Year 6 | 45 | 72 | 81 | 244 | 20 | 42 |
| | Year 7 | 26 | 52 | 63 | 145 | 11 | 25 |
| | Year 8 | 26 | 58 | 74 | 139 | 14 | 27 |
| | Year 9 | 18 | 39 | 57 | 86 | 8 | 16 |
| | Year 1 | 1 | 10 | 5 | 27 | 0 | 2 |
| | Year 2 | 2 | 19 | 3 | 17 | 6 | 2 |
| | Year 3 | 4 | 39 | 10 | 73 | 5 | 3 |
| | Year 4 | 6 | 78 | 9 | 55 | 6 | 6 |
| Massasoit | Year 5 | 7 | 55 | 12 | 66 | 3 | 8 |
| | Year 6 | 2 | 25 | 6 | 29 | 1 | 2 |
| | Year 7 | 6 | 14 | 5 | 26 | 2 | 1 |
| | Year 8 | 3 | 13 | 6 | 18 | 2 | 0 |
| | Year 9 | 0 | 17 | 4 | 21 | 0 | 0 |

| Tab | le 9A: SSA Part | icipant Race | /Ethnicity by | Institution a | nd Year of Pa | rticipation* | |
|----------------|-----------------|--------------|---------------|---------------|---------------|--------------|---------|
| Institution | SSA Year | Asian | Black | Lantinx | White | Other | Unknown |
| | Year 1 | 28 | 13 | 24 | 68 | 3 | 6 |
| | Year 2 | 90 | 42 | 100 | 165 | 5 | 8 |
| | Year 3 | 75 | 39 | 70 | 134 | 15 | 8 |
| | Year 4 | 146 | 106 | 160 | 276 | 23 | 22 |
| Middlesex | Year 5 | 72 | 45 | 86 | 192 | 12 | 14 |
| | Year 6 | 77 | 74 | 79 | 159 | 16 | 11 |
| | Year 7 | 41 | 21 | 51 | 107 | 11 | 13 |
| | Year 8 | 13 | 6 | 19 | 40 | 0 | 5 |
| | Year 9 | 71 | 32 | 79 | 197 | 17 | 18 |
| | Year 1 | 9 | 17 | 57 | 172 | 9 | 9 |
| | Year 2 | 9 | 10 | 41 | 129 | 11 | 1 |
| | Year 3 | 2 | 14 | 40 | 171 | 5 | 16 |
| | Year 4 | 5 | 15 | 52 | 164 | 12 | 22 |
| Mt. Wachusett | Year 5 | 7 | 11 | 31 | 153 | 8 | 12 |
| | Year 6 | 11 | 7 | 22 | 121 | 4 | 9 |
| | Year 7 | 8 | 8 | 30 | 187 | 4 | 2 |
| | Year 8 | 6 | 8 | 21 | 74 | 1 | 0 |
| | Year 9 | 0 | 4 | 7 | 26 | 2 | 0 |
| | Year 1 | 2 | 5 | 17 | 25 | 5 | 1 |
| | Year 2 | 18 | 25 | 47 | 100 | 10 | 7 |
| | Year 3 | 39 | 105 | 130 | 232 | 15 | 3 |
| | Year 4 | 65 | 137 | 247 | 415 | 46 | 10 |
| North Shore | Year 5 | 39 | 85 | 153 | 268 | 20 | 9 |
| | Year 6 | 31 | 72 | 123 | 142 | 22 | 1 |
| | Year 7 | 23 | 96 | 136 | 217 | 29 | 10 |
| | Year 8 | 35 | 88 | 178 | 318 | 54 | 7 |
| | Year 9 | 11 | 26 | 43 | 98 | 13 | 8 |
| | Year 1 | 0 | 0 | 16 | 0 | 0 | 0 |
| | Year 2 | 7 | 25 | 236 | 140 | 5 | 4 |
| | Year 3 | 20 | 28 | 233 | 212 | 10 | 8 |
| | Year 4 | 18 | 23 | 173 | 127 | 5 | 11 |
| Northern Essex | Year 5 | 10 | 31 | 212 | 174 | 9 | 11 |
| | Year 6 | 24 | 38 | 264 | 224 | 11 | 11 |
| | Year 7 | 21 | 37 | 197 | 164 | 8 | 17 |
| | Year 8 | 16 | 26 | 155 | 177 | 14 | 6 |
| | Year 9 | 13 | 14 | 77 | 73 | 6 | 3 |

| Table | e 9A: SSA Par | ticipant Race | /Ethnicity by | Institution a | nd Year of Pa | rticipation* | |
|--------------------------|---------------|---------------|---------------|---------------|---------------|--------------|---------|
| Institution | SSA Year | Asian | Black | Lantinx | White | Other | Unknown |
| | Year 1 | 3 | 11 | 25 | 42 | 5 | 2 |
| | Year 2 | 30 | 93 | 79 | 238 | 14 | 25 |
| | Year 3 | 18 | 47 | 55 | 186 | 9 | 20 |
| | Year 4 | 45 | 93 | 123 | 298 | 17 | 26 |
| Quinsigamond | Year 5 | 41 | 115 | 124 | 378 | 31 | 16 |
| | Year 6 | 54 | 140 | 144 | 314 | 16 | 22 |
| | Year 7 | 35 | 90 | 153 | 251 | 24 | 24 |
| | Year 8 | 5 | 24 | 21 | 51 | 2 | 4 |
| | Year 9 | 3 | 15 | 17 | 34 | 2 | 4 |
| | Year 1 | 0 | 10 | 6 | 0 | 0 | 2 |
| | Year 2 | 0 | 2 | 5 | 0 | 0 | 2 |
| | Year 3 | 10 | 262 | 52 | 15 | 10 | 9 |
| | Year 4 | 7 | 376 | 78 | 24 | 16 | 11 |
| Roxbury | Year 5 | 4 | 258 | 61 | 19 | 5 | 7 |
| | Year 6 | 12 | 376 | 108 | 26 | 16 | 17 |
| | Year 7 | 4 | 358 | 98 | 28 | 18 | 7 |
| | Year 8 | 10 | 291 | 68 | 32 | 15 | 9 |
| | Year 9 | 1 | 83 | 30 | 6 | 6 | 20 |
| | Year 1 | 0 | 6 | 8 | 15 | 2 | 0 |
| | Year 2 | 5 | 14 | 14 | 38 | 3 | 0 |
| | Year 3 | 7 | 22 | 34 | 53 | 5 | 0 |
| Corinatiold | Year 4 | 17 | 63 | 74 | 128 | 10 | 3 |
| Springfield Technical | Year 5 | 13 | 26 | 54 | 68 | 8 | 2 |
| recrimical | Year 6 | 13 | 54 | 101 | 101 | 12 | 6 |
| | Year 7 | 21 | 49 | 83 | 98 | 9 | 18 |
| | Year 8 | 23 | 33 | 55 | 128 | 12 | 25 |
| | Year 9 | 0 | 0 | 0 | 0 | 0 | 0 |

^{*}Includes Group 1–3 (Primary) SSA participants with valid HEIRS ID

| Table | Table 10: SSA Participant Gender by Year of Participation* | | | | | | | | | |
|--------------------|--|-----|--------|------|---------|----|--|--|--|--|
| | Ma | ale | Fen | nale | Unknown | | | | | |
| SSA Year | # | % | # | % | # | % | | | | |
| Year 1 | 476 | 48% | 518 | 52% | 6 | 1% | | | | |
| Year 2 | 1,800 | 48% | 1,960 | 52% | 8 | 0% | | | | |
| Year 3 | 2,319 | 49% | 2,430 | 51% | 15 | 0% | | | | |
| Year 4 | 2,842 | 46% | 3,328 | 54% | 15 | 0% | | | | |
| Year 5 | 2,742 | 47% | 3,105 | 53% | 25 | 0% | | | | |
| Year 6 | 2,694 | 48% | 2,900 | 51% | 49 | 1% | | | | |
| Year 7 | 2,131 | 49% | 2,210 | 51% | 30 | 1% | | | | |
| Year 8 | 1,510 | 45% | 1,848 | 55% | 24 | 1% | | | | |
| Year 9 | 830 | 46% | 940 | 53% | 15 | 1% | | | | |
| Unduplicated Total | 13,051 | 46% | 15,282 | 54% | 156 | 1% | | | | |

^{*}Includes Group 1–3 (Primary) SSA participants with valid HEIRS ID

| | | M | ale | Fen | nale | Unkr | own |
|-------------|----------|-----|-----|-----|------|------|-----|
| Institution | SSA Year | # | % | # | % | # | % |
| | Year 1 | 16 | 76% | 5 | 24% | 0 | 0% |
| | Year 2 | 55 | 50% | 54 | 50% | 0 | 0% |
| | Year 3 | 61 | 56% | 47 | 44% | 0 | 0% |
| | Year 4 | 60 | 39% | 94 | 61% | 0 | 0% |
| Berkshire | Year 5 | 123 | 45% | 151 | 55% | 0 | 0% |
| | Year 6 | 104 | 50% | 103 | 50% | 0 | 0% |
| | Year 7 | 45 | 47% | 51 | 53% | 0 | 0% |
| | Year 8 | 52 | 48% | 57 | 52% | 0 | 0% |
| | Year 9 | 45 | 45% | 55 | 55% | 0 | 0% |
| | Year 1 | 51 | 61% | 32 | 39% | 0 | 0% |
| | Year 2 | 100 | 62% | 62 | 38% | 0 | 0% |
| | Year 3 | 156 | 63% | 90 | 37% | 0 | 0% |
| | Year 4 | 174 | 58% | 123 | 41% | 2 | 1% |
| Bristol | Year 5 | 139 | 55% | 109 | 43% | 3 | 1% |
| | Year 6 | 66 | 50% | 64 | 48% | 2 | 2% |
| | Year 7 | 66 | 48% | 69 | 50% | 3 | 2% |
| | Year 8 | 52 | 42% | 70 | 56% | 2 | 2% |
| | Year 9 | 35 | 38% | 56 | 60% | 2 | 2% |
| | Year 1 | 28 | 48% | 30 | 52% | 0 | 0% |
| | Year 2 | 99 | 55% | 82 | 45% | 0 | 0% |
| | Year 3 | 174 | 57% | 133 | 43% | 0 | 0% |
| | Year 4 | 134 | 52% | 125 | 48% | 0 | 0% |
| Bunker Hill | Year 5 | 123 | 45% | 148 | 55% | 0 | 0% |
| | Year 6 | 70 | 65% | 37 | 35% | 0 | 0% |
| | Year 7 | 52 | 45% | 63 | 55% | 0 | 0% |
| | Year 8 | 41 | 45% | 51 | 55% | 0 | 0% |
| | Year 9 | 8 | 40% | 12 | 60% | 0 | 0% |

| Ta | ble 10A: SSA Partic | ipant Gende | by Instituti | on and Year | of Participa | ation* | |
|-------------|---------------------|-------------|--------------|-------------|--------------|--------|-----|
| | | М | ale | Fen | nale | Unkr | own |
| Institution | SSA Year | # | % | # | % | # | % |
| | Year 1 | 3 | 60% | 2 | 40% | 0 | 0% |
| | Year 2 | 236 | 43% | 317 | 57% | 0 | 0% |
| | Year 3 | 281 | 41% | 398 | 59% | 1 | 0% |
| | Year 4 | 291 | 38% | 474 | 62% | 0 | 0% |
| Cape Cod | Year 5 | 286 | 40% | 431 | 60% | 2 | 0% |
| | Year 6 | 352 | 39% | 539 | 60% | 6 | 1% |
| | Year 7 | 160 | 67% | 77 | 32% | 2 | 1% |
| | Year 8 | 105 | 57% | 78 | 42% | 1 | 1% |
| | Year 9 | 32 | 29% | 80 | 71% | 0 | 0% |
| | Year 1 | 6 | 43% | 8 | 57% | 0 | 0% |
| | Year 2 | 12 | 50% | 12 | 50% | 0 | 0% |
| | Year 3 | 21 | 33% | 41 | 65% | 1 | 2% |
| | Year 4 | 43 | 56% | 34 | 44% | 0 | 0% |
| Greenfield | Year 5 | 233 | 50% | 229 | 49% | 5 | 1% |
| | Year 6 | 241 | 49% | 244 | 50% | 7 | 1% |
| | Year 7 | 143 | 48% | 147 | 50% | 6 | 2% |
| | Year 8 | 56 | 40% | 81 | 58% | 3 | 2% |
| | Year 9 | 9 | 41% | 9 | 41% | 4 | 18% |
| | Year 1 | 20 | 36% | 33 | 60% | 2 | 4% |
| | Year 2 | 80 | 38% | 132 | 62% | 1 | 0% |
| | Year 3 | 22 | 42% | 31 | 58% | 0 | 0% |
| | Year 4 | 25 | 46% | 29 | 54% | 0 | 0% |
| Holyoke | Year 5 | 66 | 54% | 56 | 46% | 0 | 0% |
| | Year 6 | 70 | 45% | 80 | 52% | 4 | 3% |
| | Year 7 | 109 | 36% | 190 | 62% | 6 | 2% |
| | Year 8 | 85 | 31% | 189 | 68% | 4 | 1% |
| | Year 9 | 38 | 34% | 71 | 63% | 4 | 4% |

| | | M | ale | Fen | nale | Unknown | |
|-------------|----------|-----|-----|-----|------|---------|----|
| Institution | SSA Year | # | % | # | % | # | % |
| | Year 1 | 59 | 61% | 36 | 38% | 1 | 1% |
| | Year 2 | 356 | 52% | 318 | 47% | 6 | 1% |
| | Year 3 | 413 | 56% | 314 | 43% | 8 | 1% |
| | Year 4 | 430 | 59% | 292 | 40% | 6 | 1% |
| Mass Bay | Year 5 | 425 | 59% | 289 | 40% | 9 | 1% |
| | Year 6 | 333 | 66% | 159 | 32% | 12 | 2% |
| | Year 7 | 205 | 64% | 110 | 34% | 7 | 2% |
| | Year 8 | 219 | 65% | 111 | 33% | 8 | 2% |
| | Year 9 | 135 | 60% | 88 | 39% | 1 | 0% |
| | Year 1 | 24 | 53% | 21 | 47% | 0 | 0% |
| | Year 2 | 24 | 49% | 25 | 51% | 0 | 0% |
| | Year 3 | 43 | 32% | 91 | 68% | 0 | 0% |
| | Year 4 | 56 | 35% | 104 | 65% | 0 | 0% |
| Massasoit | Year 5 | 52 | 34% | 99 | 66% | 0 | 0% |
| | Year 6 | 30 | 46% | 35 | 54% | 0 | 0% |
| | Year 7 | 22 | 41% | 32 | 59% | 0 | 0% |
| | Year 8 | 10 | 24% | 32 | 76% | 0 | 0% |
| | Year 9 | 12 | 29% | 30 | 71% | 0 | 0% |
| | Year 1 | 68 | 48% | 74 | 52% | 0 | 0% |
| | Year 2 | 155 | 38% | 255 | 62% | 0 | 0% |
| | Year 3 | 129 | 38% | 212 | 62% | 0 | 0% |
| | Year 4 | 306 | 42% | 427 | 58% | 0 | 0% |
| Middlesex | Year 5 | 155 | 37% | 266 | 63% | 0 | 0% |
| | Year 6 | 212 | 51% | 204 | 49% | 0 | 0% |
| | Year 7 | 154 | 63% | 90 | 37% | 0 | 0% |
| | Year 8 | 30 | 36% | 53 | 64% | 0 | 0% |
| | Year 9 | 192 | 46% | 222 | 54% | 0 | 0% |

| | | M | ale | Fer | nale | Unkr | nown |
|----------------|----------|-----|-----|-----|------|------|------|
| Institution | SSA Year | # | % | # | % | # | % |
| | Year 1 | 106 | 39% | 164 | 60% | 3 | 1% |
| | Year 2 | 95 | 47% | 105 | 52% | 1 | 0% |
| | Year 3 | 121 | 49% | 122 | 49% | 5 | 2% |
| | Year 4 | 118 | 44% | 145 | 54% | 7 | 3% |
| Mt. Wachusett | Year 5 | 102 | 46% | 116 | 52% | 4 | 2% |
| | Year 6 | 70 | 40% | 91 | 52% | 13 | 7% |
| | Year 7 | 136 | 57% | 101 | 42% | 2 | 1% |
| | Year 8 | 45 | 41% | 63 | 57% | 2 | 2% |
| | Year 9 | 18 | 46% | 20 | 51% | 1 | 3% |
| | Year 1 | 31 | 56% | 24 | 44% | 0 | 0% |
| | Year 2 | 110 | 53% | 97 | 47% | 0 | 0% |
| | Year 3 | 244 | 47% | 280 | 53% | 0 | 0% |
| | Year 4 | 402 | 44% | 518 | 56% | 0 | 0% |
| North Shore | Year 5 | 311 | 54% | 261 | 45% | 2 | 0% |
| | Year 6 | 197 | 50% | 189 | 48% | 5 | 1% |
| | Year 7 | 225 | 44% | 283 | 55% | 3 | 1% |
| | Year 8 | 310 | 46% | 367 | 54% | 3 | 0% |
| | Year 9 | 92 | 46% | 104 | 52% | 3 | 2% |
| | Year 1 | 8 | 50% | 8 | 50% | 0 | 0% |
| | Year 2 | 136 | 33% | 281 | 67% | 0 | 0% |
| | Year 3 | 267 | 52% | 244 | 48% | 0 | 0% |
| | Year 4 | 146 | 41% | 211 | 59% | 0 | 0% |
| Northern Essex | Year 5 | 193 | 43% | 254 | 57% | 0 | 0% |
| | Year 6 | 263 | 46% | 309 | 54% | 0 | 0% |
| | Year 7 | 213 | 48% | 231 | 52% | 0 | 0% |
| | Year 8 | 181 | 46% | 213 | 54% | 0 | 0% |
| | Year 9 | 104 | 56% | 82 | 44% | 0 | 0% |

| Ta | able 10A: SSA Partic | ipant Gende | by Instituti | on and Yea | of Participa | ation* | |
|--------------------------|----------------------|-------------|--------------|------------|--------------|--------|-----|
| | | M | ale | Fen | nale | Unkr | own |
| Institution | SSA Year | # | % | # | % | # | % |
| | Year 1 | 40 | 45% | 48 | 55% | 0 | 0% |
| | Year 2 | 292 | 61% | 187 | 39% | 0 | 0% |
| | Year 3 | 226 | 67% | 109 | 33% | 0 | 0% |
| | Year 4 | 398 | 66% | 204 | 34% | 0 | 0% |
| Quinsigamond | Year 5 | 389 | 55% | 316 | 45% | 0 | 0% |
| | Year 6 | 380 | 55% | 310 | 45% | 0 | 0% |
| | Year 7 | 326 | 56% | 251 | 44% | 0 | 0% |
| | Year 8 | 78 | 73% | 29 | 27% | 0 | 0% |
| | Year 9 | 47 | 63% | 28 | 37% | 0 | 0% |
| | Year 1 | 4 | 22% | 14 | 78% | 0 | 0% |
| | Year 2 | 6 | 67% | 3 | 33% | 0 | 0% |
| | Year 3 | 96 | 27% | 262 | 73% | 0 | 0% |
| | Year 4 | 124 | 24% | 388 | 76% | 0 | 0% |
| Roxbury | Year 5 | 80 | 23% | 274 | 77% | 0 | 0% |
| | Year 6 | 188 | 34% | 367 | 66% | 0 | 0% |
| | Year 7 | 177 | 35% | 335 | 65% | 1 | 0% |
| | Year 8 | 117 | 28% | 308 | 72% | 0 | 0% |
| | Year 9 | 63 | 43% | 83 | 57% | 0 | 0% |
| | Year 1 | 12 | 39% | 19 | 61% | 0 | 0% |
| | Year 2 | 44 | 59% | 30 | 41% | 0 | 0% |
| | Year 3 | 65 | 54% | 56 | 46% | 0 | 0% |
| 6 . (.) | Year 4 | 135 | 46% | 160 | 54% | 0 | 0% |
| Springfield Technical | Year 5 | 65 | 38% | 106 | 62% | 0 | 0% |
| recillical | Year 6 | 118 | 41% | 169 | 59% | 0 | 0% |
| | Year 7 | 98 | 35% | 180 | 65% | 0 | 0% |
| | Year 8 | 129 | 47% | 146 | 53% | 1 | 0% |
| | Year 9 | 0 | 0% | 0 | 0% | 0 | 0% |

^{*}Includes Group 1-3 (primary) SSA participants with valid HEIRS ID

| Table 11 | : SSA Particip | ant Age by Y | ear of Partici | pation* | |
|--------------------|----------------|----------------------------|--------------------------------|---------|--------|
| SSA Year | | age students years old) | Non-tradi stud (age 25 (| Total | |
| | # | % | # | % | |
| Year 1 | 771 | 77% | 229 | 23% | 1,000 |
| Year 2 | 2,576 | 68% | 1,191 | 32% | 3,767 |
| Year 3 | 2,996 | 63% | 1,768 | 37% | 4,764 |
| Year 4 | 3,913 | 63% | 2,271 | 37% | 6,184 |
| Year 5 | 3,812 | 65% | 2,051 | 35% | 5,863 |
| Year 6 | 3,699 | 66% | 1,941 | 34% | 5,640 |
| Year 7 | 2,876 | 66% | 1,495 | 34% | 4,371 |
| Year 8 | 2,007 | 59% | 1,375 | 41% | 3,382 |
| Year 9 | 1,264 | 1,264 71% | | 29% | 1,785 |
| Unduplicated Total | 18,453 | 65% | 10,023 | 35% | 28,476 |

^{*}Includes Group 1–3 (Primary) SSA participants with valid HEIRS ID

| Table | 11A: SSA Participan | t Age by Instit | ution and Yea | r of Particip | ation* | |
|-------------|---------------------|-----------------|----------------------------|---------------|----------------------|-------|
| Institution | SSA Year | \$ | age students years old) | | itional age lents | Total |
| | | # | % | # | % | # |
| | Year 1 | 21 | 100% | 0 | 0% | 21 |
| | Year 2 | 109 | 100% | 0 | 0% | 109 |
| | Year 3 | 101 | 94% | 7 | 6% | 108 |
| | Year 4 | 114 | 74% | 40 | 26% | 154 |
| Berkshire | Year 5 | 200 | 73% | 74 | 27% | 274 |
| | Year 6 | 145 | 70% | 62 | 30% | 207 |
| | Year 7 | 77 | 80% | 19 | 20% | 96 |
| | Year 8 | 84 | 77% | 25 | 23% | 109 |
| | Year 9 | 84 | 77% | 25 | 23% | 109 |
| | Year 1 | 57 | 69% | 26 | 31% | 83 |
| | Year 2 | 120 | 74% | 42 | 26% | 162 |
| | Year 3 | 176 | 72% | 70 | 28% | 246 |
| | Year 4 | 204 | 68% | 95 | 32% | 299 |
| Bristol | Year 5 | 168 | 67% | 83 | 33% | 251 |
| | Year 6 | 69 | 52% | 63 | 48% | 132 |
| | Year 7 | 84 | 61% | 54 | 39% | 138 |
| | Year 8 | 78 | 63% | 46 | 37% | 124 |
| | Year 9 | 52 | 56% | 41 | 44% | 93 |
| | Year 1 | 30 | 52% | 28 | 48% | 58 |
| | Year 2 | 116 | 64% | 65 | 36% | 181 |
| | Year 3 | 171 | 56% | 136 | 44% | 307 |
| | Year 4 | 171 | 66% | 88 | 34% | 259 |
| Bunker Hill | Year 5 | 186 | 70% | 79 | 30% | 265 |
| | Year 6 | 77 | 72% | 30 | 28% | 107 |
| | Year 7 | 73 | 63% | 42 | 37% | 115 |
| | Year 8 | 50 | 54% | 42 | 46% | 92 |
| | Year 9 | 13 | 65% | 7 | 35% | 20 |

| Table | 11A: SSA Participa | nt Age by Instit | ution and Yea | r of Particip | ation* | |
|-------------|--------------------|------------------|----------------------------|---------------|----------------------|-------|
| Institution | SSA Year | Ę | age students years old) | | itional age dents | Total |
| | | # | % | # | % | # |
| | Year 1 | 5 | 100% | 0 | 0% | 5 |
| | Year 2 | 321 | 58% | 231 | 42% | 552 |
| | Year 3 | 373 | 55% | 307 | 45% | 680 |
| | Year 4 | 443 | 58% | 322 | 42% | 765 |
| Cape Cod | Year 5 | 430 | 60% | 287 | 40% | 717 |
| | Year 6 | 518 | 58% | 376 | 42% | 894 |
| | Year 7 | 171 | 72% | 68 | 28% | 239 |
| | Year 8 | 114 | 62% | 70 | 38% | 184 |
| | Year 9 | 57 | 51% | 55 | 49% | 112 |
| | Year 1 | 14 | 100% | 0 | 0% | 14 |
| | Year 2 | 24 | 100% | 0 | 0% | 24 |
| | Year 3 | 47 | 75% | 16 | 25% | 63 |
| | Year 4 | 53 | 69% | 24 | 31% | 77 |
| Greenfield | Year 5 | 332 | 71% | 135 | 29% | 467 |
| | Year 6 | 354 | 72% | 138 | 28% | 492 |
| | Year 7 | 199 | 67% | 97 | 33% | 296 |
| | Year 8 | 75 | 54% | 65 | 46% | 140 |
| | Year 9 | 13 | 59% | 9 | 41% | 22 |
| | Year 1 | 46 | 84% | 9 | 16% | 55 |
| | Year 2 | 153 | 72% | 60 | 28% | 213 |
| | Year 3 | 44 | 83% | 9 | 17% | 53 |
| | Year 4 | 34 | 63% | 20 | 37% | 54 |
| Holyoke | Year 5 | 86 | 70% | 36 | 30% | 122 |
| | Year 6 | 111 | 72% | 43 | 28% | 154 |
| | Year 7 | 163 | 53% | 142 | 47% | 305 |
| | Year 8 | 160 | 58% | 118 | 42% | 278 |
| | Year 9 | 75 | 66% | 38 | 34% | 113 |

| Table : | 11A: SSA Participa | nt Age by Instit | ution and Yea | r of Particip | ation* | |
|-------------|--------------------|------------------|----------------------------|---------------|----------------------|-------|
| Institution | SSA Year | \$ | age students years old) | | itional age lents | Total |
| | | # | % | # | % | # |
| | Year 1 | 55 | 57% | 41 | 43% | 96 |
| | Year 2 | 420 | 62% | 260 | 38% | 680 |
| | Year 3 | 491 | 67% | 244 | 33% | 735 |
| | Year 4 | 490 | 67% | 237 | 33% | 727 |
| Mass Bay | Year 5 | 493 | 68% | 229 | 32% | 722 |
| | Year 6 | 360 | 71% | 144 | 29% | 504 |
| | Year 7 | 220 | 68% | 102 | 32% | 322 |
| | Year 8 | 220 | 65% | 118 | 35% | 338 |
| | Year 9 | 154 | 69% | 70 | 31% | 224 |
| | Year 1 | 44 | 98% | 1 | 2% | 45 |
| | Year 2 | 37 | 76% | 12 | 24% | 49 |
| | Year 3 | 86 | 64% | 48 | 36% | 134 |
| | Year 4 | 126 | 79% | 34 | 21% | 160 |
| Massasoit | Year 5 | 111 | 74% | 40 | 26% | 151 |
| | Year 6 | 46 | 71% | 19 | 29% | 65 |
| | Year 7 | 41 | 76% | 13 | 24% | 54 |
| | Year 8 | 21 | 50% | 21 | 50% | 42 |
| | Year 9 | 32 | 76% | 10 | 24% | 42 |
| | Year 1 | 85 | 60% | 57 | 40% | 142 |
| | Year 2 | 234 | 57% | 176 | 43% | 410 |
| | Year 3 | 210 | 62% | 131 | 38% | 341 |
| | Year 4 | 419 | 57% | 314 | 43% | 733 |
| Middlesex | Year 5 | 287 | 68% | 134 | 32% | 421 |
| | Year 6 | 297 | 71% | 119 | 29% | 416 |
| | Year 7 | 173 | 71% | 71 | 29% | 244 |
| | Year 8 | 42 | 51% | 41 | 49% | 83 |
| | Year 9 | 359 | 87% | 55 | 13% | 414 |

| Table | 11A: SSA Participai | nt Age by Instit | ution and Yea | r of Particip | ation* | |
|----------------|---------------------|------------------|----------------------------|---------------|----------------------|-------|
| Institution | SSA Year | Ş. | age students years old) | | itional age lents | Total |
| | | # | % | # | % | # |
| | Year 1 | 241 | 88% | 32 | 12% | 273 |
| | Year 2 | 197 | 98% | 4 | 2% | 201 |
| | Year 3 | 242 | 98% | 6 | 2% | 248 |
| | Year 4 | 262 | 97% | 8 | 3% | 270 |
| Mt. Wachusett | Year 5 | 204 | 92% | 18 | 8% | 222 |
| | Year 6 | 159 | 91% | 15 | 9% | 174 |
| | Year7 | 207 | 87% | 32 | 13% | 239 |
| | Year 8 | 81 | 74% | 29 | 26% | 110 |
| | Year 9 | 28 | 72% | 11 | 28% | 39 |
| | Year 1 | 39 | 71% | 16 | 29% | 55 |
| | Year 2 | 191 | 92% | 16 | 8% | 207 |
| | Year 3 | 314 | 60% | 210 | 40% | 524 |
| | Year 4 | 615 | 67% | 305 | 33% | 920 |
| North Shore | Year 5 | 407 | 71% | 167 | 29% | 574 |
| | Year 6 | 274 | 70% | 117 | 30% | 391 |
| | Year 7 | 304 | 59% | 207 | 41% | 511 |
| | Year 8 | 405 | 60% | 275 | 40% | 680 |
| | Year 9 | 136 | 68% | 63 | 32% | 199 |
| | Year 1 | 16 | 100% | 0 | 0% | 16 |
| | Year 2 | 275 | 66% | 142 | 34% | 417 |
| | Year 3 | 323 | 63% | 188 | 37% | 511 |
| | Year 4 | 209 | 59% | 148 | 41% | 357 |
| Northern Essex | Year 5 | 258 | 58% | 189 | 42% | 447 |
| | Year 6 | 370 | 65% | 202 | 35% | 572 |
| | Year 7 | 270 | 61% | 174 | 39% | 444 |
| | Year 8 | 247 | 63% | 147 | 37% | 394 |
| | Year 9 | 129 | 69% | 57 | 31% | 186 |

| Table | 11A: SSA Participant | Age by Instit | ution and Yea | r of Participa | ation* | |
|-----------------------|----------------------|---------------|----------------------------|----------------|---------------------|-------|
| Institution | SSA Year | - | age students years old) | | tional age lents | Total |
| | | # | % | # | % | # |
| | Year 1 | 69 | 78% | 19 | 22% | 88 |
| | Year 2 | 303 | 63% | 176 | 37% | 479 |
| | Year 3 | 211 | 63% | 124 | 37% | 335 |
| | Year 4 | 396 | 66% | 206 | 34% | 602 |
| Quinsigamond | Year 5 | 423 | 60% | 282 | 40% | 705 |
| | Year 6 | 470 | 68% | 220 | 32% | 690 |
| | Year 7 | 456 | 79% | 121 | 21% | 577 |
| | Year 8 | 91 | 85% | 16 | 15% | 107 |
| | Year 9 | 62 | 83% | 13 | 17% | 75 |
| | Year 1 | 18 | 100% | 0 | 0% | 18 |
| | Year 2 | 8 | 89% | 1 | 11% | 9 |
| | Year 3 | 94 | 26% | 264 | 74% | 358 |
| | Year 4 | 149 | 29% | 363 | 71% | 512 |
| Roxbury | Year 5 | 112 | 32% | 242 | 68% | 354 |
| | Year 6 | 254 | 46% | 301 | 54% | 555 |
| | Year 7 | 255 | 50% | 258 | 50% | 513 |
| | Year 8 | 163 | 38% | 262 | 62% | 425 |
| | Year 9 | 77 | 53% | 69 | 47% | 146 |
| | Year 1 | 31 | 100% | 0 | 0% | 31 |
| | Year 2 | 68 | 92% | 6 | 8% | 74 |
| | Year 3 | 113 | 93% | 8 | 7% | 121 |
| | Year 4 | 228 | 77% | 67 | 23% | 295 |
| Springfield Technical | Year 5 | 115 | 67% | 56 | 33% | 171 |
| | Year 6 | 195 | 68% | 92 | 32% | 287 |
| | Year 7 | 183 | 66% | 95 | 34% | 278 |
| | Year 8 | 176 | 64% | 100 | 36% | 276 |
| | Year 9 | 0 | 0% | 0 | 0% | 0 |

^{*}Includes Group 1–3 (Primary) SSA participants with valid HEIRS ID

| | | Table 12: Fall 2021 | Progress and Com | pletion Rates for | SSA Participants, b | y SSA Starting Ter | m* | |
|----------|-------------|------------------------------|---------------------------------------|--------------------------|--------------------------------------|---------------------------------------|---------------------------|------------------------------|
| SSA Year | Term | Earned degree or certificate | Transferred to 4- year institution | Joined STEM workforce | Retained at original CC in Fall 2021 | Transferred to 2- year institution | Indeterminate status** | Total trackable participants |
| Year 1 | Spring 2014 | 43% | 9% | 0% | 1% | 3% | 44% | 346 |
| Teal 1 | Summer 2014 | 49% | 8% | 0% | 2% | 4% | 37% | 654 |
| | Fall 2014 | 46% | 11% | 0% | 2% | 4% | 38% | 1,720 |
| Year 2 | Spring 2015 | 48% | 9% | 0% | 2% | 3% | 39% | 1,237 |
| | Summer 2015 | 47% | 8% | 0% | 3% | 4% | 38% | 598 |
| | Fall 2015 | 50% | 11% | 0% | 2% | 3% | 34% | 1,412 |
| Year 3 | Spring 2016 | 54% | 8% | 0% | 3% | 3% | 32% | 1,492 |
| | Summer 2016 | 40% | 10% | 0% | 5% | 4% | 41% | 1,091 |
| | Fall 2016 | 45% | 11% | 0% | 4% | 3% | 37% | 1,483 |
| Year 4 | Spring 2017 | 50% | 9% | 0% | 3% | 3% | 34% | 2,185 |
| | Summer 2017 | 29% | 13% | 0% | 8% | 3% | 47% | 1,023 |
| | Fall 2017 | 36% | 15% | 0% | 6% | 3% | 41% | 1,623 |
| Year 5 | Spring 2018 | 40% | 11% | 0% | 7% | 2% | 40% | 1,748 |
| | Summer 2018 | 30% | 11% | 0% | 12% | 2% | 44% | 1,074 |
| | Fall 2018 | 29% | 13% | 0% | 13% | 4% | 41% | 1,837 |
| Year 6 | Spring 2019 | 30% | 9% | 0% | 17% | 3% | 41% | 1,678 |
| | Summer 2019 | 18% | 11% | 0% | 24% | 2% | 44% | 730 |
| | Fall 2019 | 18% | 10% | 1% | 26% | 3% | 42% | 1,676 |
| Year 7 | Spring 2020 | 18% | 7% | 0% | 34% | 3% | 38% | 830 |
| | Summer 2020 | 11% | 9% | 0% | 45% | 2% | 32% | 784 |
| | Fall 2020 | 9% | 6% | 0% | 48% | 3% | 35% | 838 |
| Year 8 | Spring 2021 | 7% | 4% | 0% | 63% | 1% | 25% | 753 |
| | Summer 2021 | 0% | 2% | 0% | 84% | 1% | 14% | 642 |
| Year 9 | Fall 2021 | 0% | 0% | 0% | 99% | 0% | 1% | 1,035 |

^{*}Mutually exclusive outcomes are listed from left to right in order of priority (e.g. "earned degree or certificate" is considered a higher outcome than "transferred to 4-year institution"). Includes only Group 1–3 (Primary) participants with a valid HEIRS ID.

^{**}Indeterminate status indicates students for whom there is no information to indicate that they have achieved one of the other documented outcomes or remain enrolled.

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | oletion Rates | for SSA Pa | rticipants, k | y Institutio | n and SSA St | tarting Term | * | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|------------|---------------|--------------|-------------------------|--------------|-----------------------|-----------------|----------------|------------------------------|
| Institution | SSA Year | Term | Earned o | legree or ficate | | d to 4-year tution | | STEM force | | at original all 2021 | | d to 2-year aution | Indetei stat | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Teal 1 | Summer 2014 | 7 | 33% | 3 | 14% | 0 | 0% | 0 | 0% | 0 | 0% | 11 | 52% | 21 |
| | | Fall 2014 | 18 | 39% | 19 | 41% | 0 | 0% | 0 | 0% | 0 | 0% | 9 | 20% | 46 |
| | Year 2 | Spring 2015 | 3 | 27% | 4 | 36% | 0 | 0% | 0 | 0% | 0 | 0% | 4 | 36% | 11 |
| | | Summer 2015 | 14 | 45% | 1 | 3% | 0 | 0% | 2 | 6% | 2 | 6% | 12 | 39% | 31 |
| | | Fall 2015 | 5 | 25% | 9 | 45% | 0 | 0% | 0 | 0% | 1 | 5% | 5 | 25% | 20 |
| Year 3 | Year 3 | Spring 2016 | 5 | 45% | 2 | 18% | 0 | 0% | 0 | 0% | 0 | 0% | 4 | 36% | 11 |
| | | Summer 2016 | 10 | 32% | 4 | 13% | 1 | 3% | 2 | 6% | 0 | 0% | 14 | 45% | 31 |
| | | Fall 2016 | 5 | 23% | 10 | 45% | 0 | 0% | 2 | 9% | 0 | 0% | 5 | 23% | 22 |
| | Year 4 | Spring 2017 | 7 | 50% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 7% | 6 | 43% | 14 |
| | | Summer 2017 | 24 | 30% | 6 | 8% | 1 | 1% | 4 | 5% | 7 | 9% | 37 | 47% | 79 |
| Berkshire | | Fall 2017 | 14 | 24% | 20 | 34% | 0 | 0% | 3 | 5% | 0 | 0% | 22 | 37% | 59 |
| berkstille | Year 5 | Spring 2018 | 32 | 44% | 4 | 5% | 0 | 0% | 11 | 15% | 1 | 1% | 25 | 34% | 73 |
| | | Summer 2018 | 13 | 15% | 8 | 10% | 2 | 2% | 16 | 19% | 3 | 4% | 42 | 50% | 84 |
| | | Fall 2018 | 7 | 18% | 20 | 50% | 1 | 3% | 2 | 5% | 0 | 0% | 10 | 25% | 40 |
| | Year 6 | Spring 2019 | 11 | 29% | 3 | 8% | 0 | 0% | 8 | 21% | 2 | 5% | 14 | 37% | 38 |
| | | Summer 2019 | 7 | 14% | 1 | 2% | 1 | 2% | 17 | 35% | 2 | 4% | 21 | 43% | 49 |
| | | Fall 2019 | 2 | 18% | 0 | 0% | 0 | 0% | 3 | 27% | 0 | 0% | 6 | 55% | 11 |
| | Year 7 | Spring 2020 | 1 | 33% | 0 | 0% | 0 | 0% | 2 | 67% | 0 | 0% | 0 | 0% | 3 |
| | | Summer 2020 | 1 | 5% | 2 | 10% | 0 | 0% | 14 | 70% | 0 | 0% | 3 | 15% | 20 |
| | | Fall 2020 | 2 | 20% | 0 | 0% | 0 | 0% | 5 | 50% | 0 | 0% | 3 | 30% | 10 |
| | Year 8 | Spring 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 8 | 100% | 0 | 0% | 0 | 0% | 8 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 33 | 94% | 0 | 0% | 2 | 6% | 35 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 15 | 100% | 0 | 0% | 0 | 0% | 15 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | oletion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|----|----------------|---------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year tution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 3 | 23% | 1 | 8% | 0 | 0% | 0 | 0% | 1 | 8% | 8 | 62% | 13 |
| | | Summer 2014 | 48 | 69% | 4 | 6% | 0 | 0% | 1 | 1% | 0 | 0% | 17 | 24% | 70 |
| | | Fall 2014 | 12 | 52% | 4 | 17% | 0 | 0% | 1 | 4% | 2 | 9% | 4 | 17% | 23 |
| | Year 2 | Spring 2015 | 28 | 57% | 0 | 0% | 0 | 0% | 1 | 2% | 2 | 4% | 18 | 37% | 49 |
| | | Summer 2015 | 23 | 42% | 5 | 9% | 0 | 0% | 2 | 4% | 1 | 2% | 24 | 44% | 55 |
| | | Fall 2015 | 9 | 45% | 1 | 5% | 0 | 0% | 1 | 5% | 1 | 5% | 8 | 40% | 20 |
| | Year 3 | Spring 2016 | 45 | 59% | 3 | 4% | 0 | 0% | 3 | 4% | 1 | 1% | 24 | 32% | 76 |
| | | Summer 2016 | 56 | 51% | 6 | 6% | 0 | 0% | 4 | 4% | 2 | 2% | 41 | 38% | 109 |
| | | Fall 2016 | 33 | 60% | 4 | 7% | 0 | 0% | 4 | 7% | 0 | 0% | 14 | 25% | 55 |
| | Year 4 | Spring 2017 | 11 | 16% | 5 | 7% | 0 | 0% | 4 | 6% | 2 | 3% | 47 | 68% | 69 |
| | | Summer 2017 | 32 | 28% | 8 | 7% | 0 | 0% | 11 | 10% | 2 | 2% | 61 | 54% | 114 |
| Bristol | | Fall 2017 | 7 | 12% | 14 | 24% | 0 | 0% | 6 | 10% | 2 | 3% | 30 | 51% | 59 |
| Distoi | Year 5 | Spring 2018 | 28 | 47% | 7 | 12% | 1 | 2% | 4 | 7% | 2 | 3% | 18 | 30% | 60 |
| | | Summer 2018 | 29 | 38% | 5 | 7% | 0 | 0% | 10 | 13% | 2 | 3% | 30 | 39% | 76 |
| | | Fall 2018 | 11 | 48% | 4 | 17% | 0 | 0% | 2 | 9% | 0 | 0% | 6 | 26% | 23 |
| | Year 6 | Spring 2019 | 22 | 63% | 3 | 9% | 0 | 0% | 3 | 9% | 0 | 0% | 7 | 20% | 35 |
| | | Summer 2019 | 10 | 28% | 3 | 8% | 0 | 0% | 4 | 11% | 0 | 0% | 19 | 53% | 36 |
| | | Fall 2019 | 23 | 37% | 6 | 10% | 0 | 0% | 14 | 22% | 1 | 2% | 19 | 30% | 63 |
| | Year 7 | Spring 2020 | 3 | 38% | 1 | 13% | 0 | 0% | 1 | 13% | 1 | 13% | 2 | 25% | 8 |
| | | Summer 2020 | 3 | 10% | 1 | 3% | 0 | 0% | 13 | 42% | 1 | 3% | 13 | 42% | 31 |
| | | Fall 2020 | 1 | 25% | 0 | 0% | 0 | 0% | 2 | 50% | 0 | 0% | 1 | 25% | 4 |
| | Year 8 | Spring 2021 | 2 | 12% | 1 | 6% | 0 | 0% | 13 | 76% | 0 | 0% | 1 | 6% | 17 |
| | | Summer 2021 | 0 | 0% | 1 | 3% | 0 | 0% | 21 | 54% | 0 | 0% | 17 | 44% | 39 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 29 | 100% | 0 | 0% | 0 | 0% | 29 |

| | | Table | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|---------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|----|----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year aution | Joined work | I STEM cforce | CC in F | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Tear 1 | Summer 2014 | 19 | 33% | 1 | 2% | 0 | 0% | 1 | 2% | 5 | 9% | 32 | 55% | 58 |
| | | Fall 2014 | 6 | 15% | 11 | 28% | 0 | 0% | 0 | 0% | 1 | 3% | 22 | 55% | 40 |
| | Year 2 | Spring 2015 | 25 | 29% | 15 | 17% | 0 | 0% | 4 | 5% | 4 | 5% | 39 | 45% | 87 |
| | | Summer 2015 | 26 | 48% | 6 | 11% | 0 | 0% | 1 | 2% | 3 | 6% | 18 | 33% | 54 |
| | | Fall 2015 | 53 | 52% | 14 | 14% | 0 | 0% | 2 | 2% | 0 | 0% | 33 | 32% | 102 |
| Year 3 | Year 3 | Spring 2016 | 44 | 59% | 9 | 12% | 0 | 0% | 1 | 1% | 1 | 1% | 19 | 26% | 74 |
| | | Summer 2016 | 40 | 34% | 14 | 12% | 0 | 0% | 6 | 5% | 7 | 6% | 52 | 44% | 119 |
| | | Fall 2016 | 24 | 69% | 6 | 17% | 0 | 0% | 0 | 0% | 0 | 0% | 5 | 14% | 35 |
| | Year 4 | Spring 2017 | 37 | 52% | 14 | 20% | 0 | 0% | 2 | 3% | 1 | 1% | 17 | 24% | 71 |
| | | Summer 2017 | 39 | 35% | 11 | 10% | 0 | 0% | 11 | 10% | 4 | 4% | 48 | 42% | 113 |
| Bunker Hill | | Fall 2017 | 13 | 13% | 21 | 21% | 0 | 0% | 7 | 7% | 1 | 1% | 57 | 58% | 99 |
| Dulikel IIIII | Year 5 | Spring 2018 | 12 | 17% | 8 | 11% | 0 | 0% | 1 | 1% | 3 | 4% | 47 | 66% | 71 |
| | | Summer 2018 | 31 | 33% | 10 | 11% | 0 | 0% | 5 | 5% | 0 | 0% | 49 | 52% | 95 |
| | | Fall 2018 | 0 | 0% | 6 | 60% | 0 | 0% | 0 | 0% | 0 | 0% | 4 | 40% | 10 |
| | Year 6 | Spring 2019 | 4 | 20% | 1 | 5% | 0 | 0% | 5 | 25% | 0 | 0% | 10 | 50% | 20 |
| | | Summer 2019 | 13 | 18% | 14 | 19% | 0 | 0% | 17 | 23% | 2 | 3% | 27 | 37% | 73 |
| | | Fall 2019 | 11 | 48% | 3 | 13% | 0 | 0% | 5 | 22% | 0 | 0% | 4 | 17% | 23 |
| | Year 7 | Spring 2020 | 4 | 14% | 2 | 7% | 0 | 0% | 13 | 45% | 1 | 3% | 9 | 31% | 29 |
| | | Summer 2020 | 3 | 6% | 2 | 4% | 0 | 0% | 25 | 52% | 1 | 2% | 17 | 35% | 48 |
| | | Fall 2020 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Year 8 | Spring 2021 | 3 | 19% | 0 | 0% | 0 | 0% | 11 | 69% | 0 | 0% | 2 | 13% | 16 |
| | | Summer 2021 | 0 | 0% | 2 | 3% | 0 | 0% | 56 | 95% | 0 | 0% | 1 | 2% | 59 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 4 | 100% | 0 | 0% | 0 | 0% | 4 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | oletion Rates | for SSA Pa | rticipants, k | y Institutio | n and SSA S | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|---------------|--------------|-------------------------|--------------|------------------------|-----|-----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year tution | Joined work | STEM force | | at original all 2021 | | ed to 2-year tution | | rminate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Teal 1 | Summer 2014 | 5 | 100% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 5 |
| | | Fall 2014 | 164 | 55% | 25 | 8% | 0 | 0% | 7 | 2% | 5 | 2% | 96 | 32% | 297 |
| | Year 2 | Spring 2015 | 120 | 62% | 18 | 9% | 0 | 0% | 5 | 3% | 1 | 1% | 50 | 26% | 194 |
| | | Summer 2015 | 29 | 50% | 6 | 10% | 0 | 0% | 1 | 2% | 2 | 3% | 20 | 34% | 58 |
| | | Fall 2015 | 132 | 57% | 24 | 10% | 0 | 0% | 5 | 2% | 4 | 2% | 66 | 29% | 231 |
| Yea | Year 3 | Spring 2016 | 119 | 50% | 17 | 7% | 1 | 0% | 8 | 3% | 6 | 3% | 89 | 37% | 240 |
| | | Summer 2016 | 24 | 47% | 7 | 14% | 0 | 0% | 2 | 4% | 2 | 4% | 16 | 31% | 51 |
| | | Fall 2016 | 63 | 61% | 5 | 5% | 0 | 0% | 3 | 3% | 1 | 1% | 32 | 31% | 104 |
| | Year 4 | Spring 2017 | 132 | 47% | 33 | 12% | 0 | 0% | 14 | 5% | 8 | 3% | 92 | 33% | 279 |
| | | Summer 2017 | 14 | 33% | 9 | 21% | 0 | 0% | 2 | 5% | 1 | 2% | 17 | 40% | 43 |
| Cape Cod | | Fall 2017 | 98 | 41% | 27 | 11% | 0 | 0% | 16 | 7% | 3 | 1% | 93 | 39% | 237 |
| l ' | Year 5 | Spring 2018 | 97 | 46% | 21 | 10% | 0 | 0% | 19 | 9% | 1 | 0% | 74 | 35% | 212 |
| | | Summer 2018 | 7 | 78% | 1 | 11% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 11% | 9 |
| | | Fall 2018 | 120 | 37% | 40 | 12% | 1 | 0% | 37 | 11% | 7 | 2% | 121 | 37% | 326 |
| | Year 6 | Spring 2019 | 79 | 34% | 19 | 8% | 0 | 0% | 39 | 17% | 6 | 3% | 88 | 38% | 231 |
| | | Summer 2019 | 6 | 21% | 6 | 21% | 0 | 0% | 8 | 28% | 0 | 0% | 9 | 31% | 29 |
| | | Fall 2019 | 14 | 14% | 7 | 7% | 0 | 0% | 22 | 22% | 4 | 4% | 52 | 53% | 99 |
| | Year 7 | Spring 2020 | 1 | 6% | 2 | 11% | 0 | 0% | 10 | 56% | 0 | 0% | 5 | 28% | 18 |
| | | Summer 2020 | 0 | 0% | 1 | 6% | 0 | 0% | 10 | 56% | 0 | 0% | 7 | 39% | 18 |
| | | Fall 2020 | 7 | 33% | 2 | 10% | 0 | 0% | 7 | 33% | 0 | 0% | 5 | 24% | 21 |
| | Year 8 | Spring 2021 | 4 | 21% | 1 | 5% | 0 | 0% | 13 | 68% | 0 | 0% | 1 | 5% | 19 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 8 | 100% | 0 | 0% | 0 | 0% | 8 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 63 | 95% | 0 | 0% | 3 | 5% | 66 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institution | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|----------------------|----------------|------------------|---------------|-------------------------|--------------|------------------------|----|----------------|------------------------------|
| Institution | SSA Year | Term | Earned o | legree or ficate | | d to 4-year ution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Tear 1 | Summer 2014 | 7 | 50% | 0 | 0% | 0 | 0% | 1 | 7% | 1 | 7% | 5 | 36% | 14 |
| | | Fall 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Year 2 | Spring 2015 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | | Summer 2015 | 6 | 43% | 1 | 7% | 0 | 0% | 0 | 0% | 1 | 7% | 6 | 43% | 14 |
| | | Fall 2015 | 2 | 20% | 8 | 80% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 10 |
| Y | Year 3 | Spring 2016 | 15 | 56% | 4 | 15% | 0 | 0% | 1 | 4% | 1 | 4% | 6 | 22% | 27 |
| | | Summer 2016 | 11 | 42% | 4 | 15% | 0 | 0% | 3 | 12% | 0 | 0% | 8 | 31% | 26 |
| | | Fall 2016 | 16 | 67% | 2 | 8% | 0 | 0% | 1 | 4% | 0 | 0% | 5 | 21% | 24 |
| | Year 4 | Spring 2017 | 2 | 33% | 1 | 17% | 0 | 0% | 0 | 0% | 1 | 17% | 2 | 33% | 6 |
| | | Summer 2017 | 12 | 29% | 8 | 20% | 1 | 2% | 4 | 10% | 2 | 5% | 14 | 34% | 41 |
| Greenfield | | Fall 2017 | 87 | 49% | 11 | 6% | 0 | 0% | 13 | 7% | 7 | 4% | 60 | 34% | 178 |
| Greenneid | Year 5 | Spring 2018 | 77 | 40% | 12 | 6% | 0 | 0% | 12 | 6% | 4 | 2% | 86 | 45% | 191 |
| | | Summer 2018 | 7 | 13% | 12 | 22% | 0 | 0% | 3 | 5% | 3 | 5% | 30 | 55% | 55 |
| | | Fall 2018 | 55 | 28% | 20 | 10% | 0 | 0% | 29 | 15% | 12 | 6% | 78 | 40% | 194 |
| | Year 6 | Spring 2019 | 34 | 32% | 10 | 10% | 0 | 0% | 14 | 13% | 2 | 2% | 45 | 43% | 105 |
| | | Summer 2019 | 3 | 6% | 5 | 10% | 0 | 0% | 14 | 27% | 2 | 4% | 28 | 54% | 52 |
| | | Fall 2019 | 28 | 26% | 12 | 11% | 0 | 0% | 26 | 25% | 1 | 1% | 39 | 37% | 106 |
| | Year 7 | Spring 2020 | 7 | 29% | 1 | 4% | 0 | 0% | 8 | 33% | 1 | 4% | 7 | 29% | 24 |
| | | Summer 2020 | 0 | 0% | 4 | 7% | 0 | 0% | 27 | 48% | 2 | 4% | 23 | 41% | 56 |
| | | Fall 2020 | 1 | 5% | 0 | 0% | 0 | 0% | 4 | 20% | 0 | 0% | 15 | 75% | 20 |
| | Year 8 | Spring 2021 | 0 | 0% | 1 | 5% | 0 | 0% | 12 | 63% | 0 | 0% | 6 | 32% | 19 |
| | | Summer 2021 | 1 | 2% | 0 | 0% | 0 | 0% | 40 | 82% | 0 | 0% | 8 | 16% | 49 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 10 | 100% | 0 | 0% | 0 | 0% | 10 |

| | | Table | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institution | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|------------------|---------------|-------------------------|--------------|-----------------------|----|----------------|---------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year cution | Joined work | I STEM cforce | | at original all 2021 | | d to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Tear 1 | Summer 2014 | 25 | 45% | 8 | 15% | 0 | 0% | 1 | 2% | 5 | 9% | 16 | 29% | 55 |
| | | Fall 2014 | 50 | 36% | 12 | 9% | 0 | 0% | 0 | 0% | 8 | 6% | 68 | 49% | 138 |
| | Year 2 | Spring 2015 | 6 | 46% | 1 | 8% | 0 | 0% | 0 | 0% | 0 | 0% | 6 | 46% | 13 |
| | | Summer 2015 | 24 | 51% | 3 | 6% | 0 | 0% | 1 | 2% | 3 | 6% | 16 | 34% | 47 |
| | | Fall 2015 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Year 3 | Spring 2016 | 5 | 36% | 0 | 0% | 0 | 0% | 1 | 7% | 0 | 0% | 8 | 57% | 14 |
| | | Summer 2016 | 19 | 50% | 3 | 8% | 0 | 0% | 1 | 3% | 4 | 11% | 11 | 29% | 38 |
| | | Fall 2016 | 2 | 20% | 1 | 10% | 0 | 0% | 0 | 0% | 1 | 10% | 6 | 60% | 10 |
| | Year 4 | Spring 2017 | 2 | 40% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 3 | 60% | 5 |
| | | Summer 2017 | 13 | 38% | 4 | 12% | 0 | 0% | 3 | 9% | 2 | 6% | 12 | 35% | 34 |
| Holyoke | | Fall 2017 | 26 | 48% | 7 | 13% | 0 | 0% | 1 | 2% | 1 | 2% | 19 | 35% | 54 |
| потуоке | Year 5 | Spring 2018 | 14 | 45% | 3 | 10% | 0 | 0% | 2 | 6% | 3 | 10% | 9 | 29% | 31 |
| | | Summer 2018 | 15 | 56% | 2 | 7% | 1 | 4% | 2 | 7% | 2 | 7% | 5 | 19% | 27 |
| | | Fall 2018 | 12 | 35% | 2 | 6% | 0 | 0% | 5 | 15% | 3 | 9% | 12 | 35% | 34 |
| | Year 6 | Spring 2019 | 19 | 24% | 9 | 11% | 0 | 0% | 6 | 8% | 2 | 3% | 44 | 55% | 80 |
| | | Summer 2019 | 5 | 23% | 7 | 32% | 0 | 0% | 2 | 9% | 1 | 5% | 7 | 32% | 22 |
| | | Fall 2019 | 22 | 38% | 0 | 0% | 0 | 0% | 12 | 21% | 4 | 7% | 20 | 34% | 58 |
| | Year 7 | Spring 2020 | 24 | 34% | 3 | 4% | 0 | 0% | 13 | 18% | 5 | 7% | 26 | 37% | 71 |
| | | Summer 2020 | 26 | 17% | 20 | 13% | 3 | 2% | 53 | 35% | 7 | 5% | 41 | 27% | 150 |
| | | Fall 2020 | 11 | 9% | 10 | 8% | 0 | 0% | 59 | 49% | 6 | 5% | 34 | 28% | 120 |
| | Year 8 | Spring 2021 | 6 | 6% | 3 | 3% | 0 | 0% | 61 | 65% | 1 | 1% | 23 | 24% | 94 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 17 | 74% | 0 | 0% | 6 | 26% | 23 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 82 | 99% | 0 | 0% | 1 | 1% | 83 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institution | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|----------------------|--------------|----------------|---------------|---------------|-------------------------|--------------|------------------------|-----|----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | Transferre instit | ution | Joined work | STEM force | CC in F | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | icai i | Summer 2014 | 48 | 50% | 11 | 11% | 0 | 0% | 1 | 1% | 5 | 5% | 31 | 32% | 96 |
| | | Fall 2014 | 138 | 39% | 31 | 9% | 0 | 0% | 3 | 1% | 23 | 7% | 155 | 44% | 350 |
| | Year 2 | Spring 2015 | 127 | 49% | 26 | 10% | 0 | 0% | 1 | 0% | 11 | 4% | 94 | 36% | 259 |
| | | Summer 2015 | 20 | 47% | 6 | 14% | 0 | 0% | 4 | 9% | 0 | 0% | 13 | 30% | 43 |
| | | Fall 2015 | 111 | 42% | 35 | 13% | 0 | 0% | 3 | 1% | 8 | 3% | 109 | 41% | 266 |
| Ye | Year 3 | Spring 2016 | 76 | 41% | 20 | 11% | 1 | 1% | 3 | 2% | 12 | 6% | 73 | 39% | 185 |
| | | Summer 2016 | 21 | 27% | 9 | 12% | 0 | 0% | 6 | 8% | 3 | 4% | 39 | 50% | 78 |
| | | Fall 2016 | 114 | 38% | 47 | 16% | 1 | 0% | 5 | 2% | 18 | 6% | 117 | 39% | 302 |
| | Year 4 | Spring 2017 | 73 | 47% | 12 | 8% | 0 | 0% | 6 | 4% | 7 | 5% | 57 | 37% | 155 |
| | | Summer 2017 | 11 | 27% | 4 | 10% | 0 | 0% | 6 | 15% | 1 | 2% | 19 | 46% | 41 |
| Mass Bay | | Fall 2017 | 75 | 30% | 44 | 18% | 0 | 0% | 8 | 3% | 11 | 4% | 112 | 45% | 250 |
| iviuss buy | Year 5 | Spring 2018 | 57 | 31% | 20 | 11% | 0 | 0% | 11 | 6% | 5 | 3% | 89 | 49% | 182 |
| | | Summer 2018 | 9 | 19% | 6 | 13% | 1 | 2% | 13 | 28% | 0 | 0% | 18 | 38% | 47 |
| | | Fall 2018 | 40 | 26% | 27 | 18% | 0 | 0% | 18 | 12% | 7 | 5% | 59 | 39% | 151 |
| | Year 6 | Spring 2019 | 42 | 31% | 22 | 16% | 0 | 0% | 20 | 15% | 0 | 0% | 53 | 39% | 137 |
| | | Summer 2019 | 5 | 13% | 2 | 5% | 0 | 0% | 13 | 34% | 0 | 0% | 18 | 47% | 38 |
| | | Fall 2019 | 17 | 14% | 21 | 18% | 0 | 0% | 30 | 25% | 2 | 2% | 48 | 41% | 118 |
| | Year 7 | Spring 2020 | 6 | 21% | 4 | 14% | 0 | 0% | 4 | 14% | 1 | 4% | 13 | 46% | 28 |
| | | Summer 2020 | 0 | 0% | 1 | 3% | 0 | 0% | 22 | 67% | 0 | 0% | 10 | 30% | 33 |
| | | Fall 2020 | 7 | 6% | 11 | 9% | 0 | 0% | 67 | 57% | 1 | 1% | 32 | 27% | 118 |
| | Year 8 | Spring 2021 | 1 | 2% | 4 | 8% | 0 | 0% | 39 | 75% | 0 | 0% | 8 | 15% | 52 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 39 | 89% | 1 | 2% | 4 | 9% | 44 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 104 | 100% | 0 | 0% | 0 | 0% | 104 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | oletion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | arting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|-----------------|--------------|-------------------------|-------------|------------------------|----|----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year aution | Joined work | l STEM force | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | TCGI I | Summer 2014 | 16 | 36% | 4 | 9% | 0 | 0% | 0 | 0% | 2 | 4% | 23 | 51% | 45 |
| | | Fall 2014 | 8 | 62% | 1 | 8% | 0 | 0% | 0 | 0% | 0 | 0% | 4 | 31% | 13 |
| | Year 2 | Spring 2015 | 4 | 27% | 3 | 20% | 0 | 0% | 1 | 7% | 1 | 7% | 6 | 40% | 15 |
| | | Summer 2015 | 6 | 35% | 3 | 18% | 0 | 0% | 1 | 6% | 1 | 6% | 6 | 35% | 17 |
| | | Fall 2015 | 31 | 42% | 13 | 18% | 0 | 0% | 2 | 3% | 1 | 1% | 26 | 36% | 73 |
| | Year 3 | Spring 2016 | 24 | 63% | 4 | 11% | 0 | 0% | 0 | 0% | 1 | 3% | 9 | 24% | 38 |
| | | Summer 2016 | 3 | 75% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 25% | 4 |
| | ., | Fall 2016 | 6 | 33% | 6 | 33% | 0 | 0% | 0 | 0% | 2 | 11% | 4 | 22% | 18 |
| | Year 4 | Spring 2017 | 8 | 35% | 5 | 22% | 0 | 0% | 1 | 4% | 0 | 0% | 9 | 39% | 23 |
| | | Summer 2017 | 17 | 17% | 16 | 16% | 1 | 1% | 7 | 7% | 1 | 1% | 58 | 58% | 100 |
| | | Fall 2017 | 13 | 36% | 5 | 14% | 1 | 3% | 2 | 6% | 3 | 8% | 12 | 33% | 36 |
| Massasoit | Year 5 | Spring 2018 | 15 | 50% | 4 | 13% | 0 | 0% | 2 | 7% | 0 | 0% | 9 | 30% | 30 |
| | | Summer 2018 | 3 | 75% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 25% | 4 |
| | | Fall 2018 | 6 | 46% | 4 | 31% | 0 | 0% | 1 | 8% | 0 | 0% | 2 | 15% | 13 |
| | Year 6 | Spring 2019 | 12 | 38% | 7 | 22% | 0 | 0% | 3 | 9% | 2 | 6% | 8 | 25% | 32 |
| | | Summer 2019 | 1 | 50% | 1 | 50% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 2 |
| | | Fall 2019 | 10 | 34% | 5 | 17% | 0 | 0% | 8 | 28% | 2 | 7% | 4 | 14% | 29 |
| | Year 7 | Spring 2020 | 6 | 46% | 0 | 0% | 0 | 0% | 4 | 31% | 1 | 8% | 2 | 15% | 13 |
| | | Summer 2020 | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 100% | 0 | 0% | 0 | 0% | 1 |
| | | Fall 2020 | 1 | 6% | 1 | 6% | 0 | 0% | 12 | 67% | 1 | 6% | 3 | 17% | 18 |
| | Year 8 | Spring 2021 | 0 | 0% | 1 | 8% | 0 | 0% | 10 | 83% | 0 | 0% | 1 | 8% | 12 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 26 | 100% | 0 | 0% | 0 | 0% | 26 |
| | rear 9 | Lan ZOZI | U | υ% | U | υ% | U | U% | 20 | 100% | U | U% | U | U% | 20 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|------------|-------------|----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|-----|----------------|------------------------------|
| Institution | SSA Year | Term | Earned d | Ū | | d to 4-year ution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 74 | 74% | 4 | 4% | 0 | 0% | 3 | 3% | 1 | 1% | 18 | 18% | 100 |
| | reari | Summer 2014 | 26 | 62% | 2 | 5% | 0 | 0% | 2 | 5% | 1 | 2% | 11 | 26% | 42 |
| | | Fall 2014 | 102 | 68% | 12 | 8% | 0 | 0% | 0 | 0% | 2 | 1% | 33 | 22% | 149 |
| | Year 2 | Spring 2015 | 78 | 67% | 4 | 3% | 0 | 0% | 3 | 3% | 3 | 3% | 29 | 25% | 117 |
| | | Summer 2015 | 64 | 60% | 3 | 3% | 0 | 0% | 0 | 0% | 3 | 3% | 37 | 35% | 107 |
| | | Fall 2015 | 74 | 69% | 6 | 6% | 0 | 0% | 2 | 2% | 5 | 5% | 20 | 19% | 107 |
| | Year 3 | Spring 2016 | 64 | 75% | 1 | 1% | 0 | 0% | 3 | 4% | 1 | 1% | 16 | 19% | 85 |
| | | Summer 2016 | 40 | 52% | 14 | 18% | 0 | 0% | 2 | 3% | 1 | 1% | 20 | 26% | 77 |
| | | Fall 2016 | 56 | 75% | 8 | 11% | 0 | 0% | 1 | 1% | 0 | 0% | 10 | 13% | 75 |
| | Year 4 | Spring 2017 | 273 | 61% | 24 | 5% | 1 | 0% | 13 | 3% | 9 | 2% | 125 | 28% | 445 |
| | | Summer 2017 | 35 | 47% | 9 | 12% | 0 | 0% | 5 | 7% | 1 | 1% | 25 | 33% | 75 |
| Middlesex | | Fall 2017 | 57 | 66% | 5 | 6% | 0 | 0% | 2 | 2% | 1 | 1% | 22 | 25% | 87 |
| Wilduiesex | Year 5 | Spring 2018 | 64 | 40% | 36 | 22% | 0 | 0% | 10 | 6% | 2 | 1% | 49 | 30% | 161 |
| | | Summer 2018 | 13 | 39% | 8 | 24% | 0 | 0% | 2 | 6% | 0 | 0% | 10 | 30% | 33 |
| | | Fall 2018 | 61 | 38% | 27 | 17% | 0 | 0% | 23 | 14% | 2 | 1% | 48 | 30% | 161 |
| | Year 6 | Spring 2019 | 36 | 31% | 15 | 13% | 0 | 0% | 27 | 23% | 3 | 3% | 35 | 30% | 116 |
| | | Summer 2019 | 8 | 19% | 8 | 19% | 0 | 0% | 12 | 29% | 0 | 0% | 14 | 33% | 42 |
| | | Fall 2019 | 48 | 34% | 11 | 8% | 0 | 0% | 39 | 27% | 0 | 0% | 45 | 31% | 143 |
| | Year 7 | Spring 2020 | 2 | 14% | 2 | 14% | 0 | 0% | 10 | 71% | 0 | 0% | 0 | 0% | 14 |
| | | Summer 2020 | 8 | 21% | 9 | 24% | 0 | 0% | 16 | 42% | 1 | 3% | 4 | 11% | 38 |
| | | Fall 2020 | 1 | 4% | 1 | 4% | 0 | 0% | 20 | 71% | 1 | 4% | 5 | 18% | 28 |
| | Year 8 | Spring 2021 | 8 | 32% | 2 | 8% | 0 | 0% | 10 | 40% | 0 | 0% | 5 | 20% | 25 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 100% | 0 | 0% | 0 | 0% | 1 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 379 | 100% | 0 | 0% | 0 | 0% | 379 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|----------------|----------|-------------|---------------|---------------------|-------------|----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|----|-----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year ution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | rminate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 39 | 25% | 18 | 11% | 0 | 0% | 0 | 0% | 6 | 4% | 95 | 60% | 158 |
| | Tear 1 | Summer 2014 | 66 | 57% | 12 | 10% | 0 | 0% | 0 | 0% | 3 | 3% | 34 | 30% | 115 |
| | | Fall 2014 | 23 | 20% | 22 | 19% | 0 | 0% | 7 | 6% | 5 | 4% | 56 | 50% | 113 |
| | Year 2 | Spring 2015 | 15 | 21% | 5 | 7% | 0 | 0% | 1 | 1% | 1 | 1% | 49 | 69% | 71 |
| | | Summer 2015 | 6 | 75% | 1 | 13% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 13% | 8 |
| | | Fall 2015 | 38 | 27% | 16 | 12% | 0 | 0% | 8 | 6% | 6 | 4% | 71 | 51% | 139 |
| | Year 3 | Spring 2016 | 13 | 37% | 5 | 14% | 0 | 0% | 1 | 3% | 0 | 0% | 16 | 46% | 35 |
| | | Summer 2016 | 22 | 36% | 8 | 13% | 0 | 0% | 3 | 5% | 2 | 3% | 26 | 43% | 61 |
| | | Fall 2016 | 33 | 21% | 18 | 12% | 0 | 0% | 12 | 8% | 3 | 2% | 89 | 57% | 155 |
| | Year 4 | Spring 2017 | 15 | 38% | 6 | 15% | 0 | 0% | 0 | 0% | 0 | 0% | 18 | 46% | 39 |
| | | Summer 2017 | 12 | 19% | 16 | 26% | 0 | 0% | 2 | 3% | 0 | 0% | 32 | 52% | 62 |
| Mt. Wachusett | | Fall 2017 | 16 | 20% | 27 | 33% | 0 | 0% | 1 | 1% | 0 | 0% | 38 | 46% | 82 |
| Wit. Wachasett | Year 5 | Spring 2018 | 6 | 22% | 8 | 30% | 0 | 0% | 3 | 11% | 0 | 0% | 10 | 37% | 27 |
| | | Summer 2018 | 15 | 36% | 2 | 5% | 0 | 0% | 4 | 10% | 1 | 2% | 20 | 48% | 42 |
| | | Fall 2018 | 13 | 20% | 9 | 14% | 0 | 0% | 6 | 9% | 0 | 0% | 37 | 57% | 65 |
| | Year 6 | Spring 2019 | 2 | 33% | 1 | 17% | 0 | 0% | 0 | 0% | 0 | 0% | 3 | 50% | 6 |
| | | Summer 2019 | 11 | 30% | 0 | 0% | 0 | 0% | 13 | 35% | 1 | 3% | 12 | 32% | 37 |
| | | Fall 2019 | 17 | 14% | 26 | 22% | 0 | 0% | 19 | 16% | 4 | 3% | 53 | 45% | 119 |
| | Year 7 | Spring 2020 | 10 | 27% | 4 | 11% | 0 | 0% | 7 | 19% | 1 | 3% | 15 | 41% | 37 |
| | | Summer 2020 | 0 | 0% | 0 | 0% | 0 | 0% | 11 | 61% | 0 | 0% | 7 | 39% | 18 |
| | | Fall 2020 | 5 | 29% | 0 | 0% | 0 | 0% | 7 | 41% | 0 | 0% | 5 | 29% | 17 |
| | Year 8 | Spring 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 10 | 77% | 0 | 0% | 3 | 23% | 13 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 34 | 94% | 0 | 0% | 2 | 6% | 36 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 100% | 0 | 0% | 0 | 0% | 1 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, k | y Institution | n and SSA St | tarting Tern | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|----------------------|----------------|------------------|---------------|-------------------------|--------------|------------------------|-----|-----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year ution | Joined work | l STEM rforce | | at original all 2021 | | ed to 2-year tution | | rminate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | lear 1 | Summer 2014 | 12 | 22% | 4 | 7% | 0 | 0% | 1 | 2% | 0 | 0% | 38 | 69% | 55 |
| | | Fall 2014 | 19 | 40% | 6 | 13% | 0 | 0% | 2 | 4% | 0 | 0% | 20 | 43% | 47 |
| | Year 2 | Spring 2015 | 18 | 19% | 5 | 5% | 0 | 0% | 2 | 2% | 3 | 3% | 68 | 71% | 96 |
| | | Summer 2015 | 16 | 27% | 4 | 7% | 0 | 0% | 1 | 2% | 2 | 3% | 37 | 62% | 60 |
| | | Fall 2015 | 151 | 57% | 20 | 8% | 0 | 0% | 2 | 1% | 7 | 3% | 84 | 32% | 264 |
| | Year 3 | Spring 2016 | 104 | 57% | 12 | 7% | 0 | 0% | 9 | 5% | 7 | 4% | 50 | 27% | 182 |
| | | Summer 2016 | 19 | 31% | 2 | 3% | 0 | 0% | 4 | 7% | 2 | 3% | 34 | 56% | 61 |
| | | Fall 2016 | 72 | 46% | 14 | 9% | 0 | 0% | 5 | 3% | 2 | 1% | 65 | 41% | 158 |
| | Year 4 | Spring 2017 | 217 | 47% | 44 | 9% | 0 | 0% | 11 | 2% | 8 | 2% | 184 | 40% | 464 |
| | | Summer 2017 | 29 | 20% | 26 | 18% | 0 | 0% | 11 | 8% | 4 | 3% | 75 | 52% | 145 |
| North Shore | | Fall 2017 | 40 | 43% | 15 | 16% | 0 | 0% | 5 | 5% | 1 | 1% | 33 | 35% | 94 |
| North Shore | Year 5 | Spring 2018 | 84 | 35% | 30 | 13% | 0 | 0% | 15 | 6% | 7 | 3% | 104 | 43% | 240 |
| | | Summer 2018 | 15 | 14% | 11 | 10% | 0 | 0% | 8 | 7% | 3 | 3% | 74 | 67% | 111 |
| | | Fall 2018 | 14 | 32% | 6 | 14% | 0 | 0% | 7 | 16% | 2 | 5% | 15 | 34% | 44 |
| | Year 6 | Spring 2019 | 46 | 25% | 15 | 8% | 0 | 0% | 30 | 16% | 7 | 4% | 85 | 46% | 183 |
| | | Summer 2019 | 5 | 6% | 8 | 10% | 0 | 0% | 13 | 15% | 2 | 2% | 56 | 67% | 84 |
| | | Fall 2019 | 14 | 31% | 3 | 7% | 0 | 0% | 10 | 22% | 0 | 0% | 18 | 40% | 45 |
| | Year 7 | Spring 2020 | 28 | 15% | 9 | 5% | 0 | 0% | 68 | 37% | 3 | 2% | 74 | 41% | 182 |
| | | Summer 2020 | 21 | 10% | 23 | 11% | 0 | 0% | 79 | 37% | 3 | 1% | 88 | 41% | 214 |
| | | Fall 2020 | 13 | 6% | 10 | 5% | 0 | 0% | 111 | 55% | 3 | 1% | 65 | 32% | 202 |
| | Year 8 | Spring 2021 | 5 | 5% | 1 | 1% | 0 | 0% | 74 | 73% | 2 | 2% | 20 | 20% | 102 |
| | | Summer 2021 | 0 | 0% | 7 | 3% | 0 | 0% | 183 | 82% | 3 | 1% | 30 | 13% | 223 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 92 | 96% | 0 | 0% | 4 | 4% | 96 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|----------------|----------|-------------|---------------|---------------------|-------------|----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|-----|----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | | d to 4-year ution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 2 | 100% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 2 |
| | rear 1 | Summer 2014 | 5 | 36% | 1 | 7% | 0 | 0% | 2 | 14% | 0 | 0% | 6 | 43% | 14 |
| | | Fall 2014 | 64 | 28% | 25 | 11% | 0 | 0% | 5 | 2% | 18 | 8% | 120 | 52% | 232 |
| | Year 2 | Spring 2015 | 49 | 48% | 12 | 12% | 0 | 0% | 0 | 0% | 4 | 4% | 37 | 36% | 102 |
| | | Summer 2015 | 38 | 48% | 3 | 4% | 0 | 0% | 2 | 3% | 4 | 5% | 33 | 41% | 80 |
| | | Fall 2015 | 45 | 71% | 3 | 5% | 0 | 0% | 0 | 0% | 1 | 2% | 14 | 22% | 63 |
| | Year 3 | Spring 2016 | 92 | 48% | 18 | 9% | 1 | 1% | 6 | 3% | 5 | 3% | 70 | 36% | 192 |
| | | Summer 2016 | 64 | 28% | 25 | 11% | 0 | 0% | 15 | 7% | 9 | 4% | 117 | 51% | 230 |
| | | Fall 2016 | 37 | 37% | 9 | 9% | 0 | 0% | 7 | 7% | 4 | 4% | 42 | 42% | 99 |
| | Year 4 | Spring 2017 | 62 | 57% | 8 | 7% | 0 | 0% | 4 | 4% | 5 | 5% | 30 | 28% | 109 |
| | | Summer 2017 | 29 | 34% | 6 | 7% | 1 | 1% | 6 | 7% | 3 | 3% | 41 | 48% | 86 |
| Northern Essex | | Fall 2017 | 41 | 33% | 18 | 14% | 0 | 0% | 10 | 8% | 7 | 6% | 49 | 39% | 125 |
| Northern Essex | Year 5 | Spring 2018 | 63 | 39% | 13 | 8% | 2 | 1% | 11 | 7% | 4 | 2% | 68 | 42% | 161 |
| | | Summer 2018 | 18 | 37% | 9 | 18% | 0 | 0% | 2 | 4% | 5 | 10% | 15 | 31% | 49 |
| | | Fall 2018 | 56 | 25% | 27 | 12% | 0 | 0% | 37 | 16% | 7 | 3% | 100 | 44% | 227 |
| | Year 6 | Spring 2019 | 54 | 32% | 8 | 5% | 0 | 0% | 36 | 21% | 5 | 3% | 68 | 40% | 171 |
| | | Summer 2019 | 10 | 40% | 2 | 8% | 0 | 0% | 7 | 28% | 0 | 0% | 6 | 24% | 25 |
| | | Fall 2019 | 26 | 19% | 9 | 7% | 0 | 0% | 40 | 29% | 3 | 2% | 59 | 43% | 137 |
| | Year 7 | Spring 2020 | 25 | 18% | 8 | 6% | 0 | 0% | 43 | 31% | 4 | 3% | 59 | 42% | 139 |
| | | Summer 2020 | 9 | 19% | 4 | 9% | 0 | 0% | 23 | 49% | 1 | 2% | 10 | 21% | 47 |
| | | Fall 2020 | 0 | 0% | 3 | 19% | 0 | 0% | 6 | 38% | 0 | 0% | 7 | 44% | 16 |
| | Year 8 | Spring 2021 | 6 | 3% | 4 | 2% | 0 | 0% | 107 | 56% | 3 | 2% | 71 | 37% | 191 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 14 | 88% | 0 | 0% | 2 | 13% | 16 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 130 | 100% | 0 | 0% | 0 | 0% | 130 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | oletion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|-----------------|----------|-------------|---------------|------------|-------------|-----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|-----|----------------|------------------------------|
| Institution | SSA Year | Term | Earned c | Ū | | d to 4-year tution | Joined work | I STEM cforce | | at original all 2021 | | ed to 2-year tution | | minate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 27 | 48% | 5 | 9% | 0 | 0% | 1 | 2% | 0 | 0% | 23 | 41% | 56 |
| | Tear 1 | Summer 2014 | 14 | 44% | 2 | 6% | 0 | 0% | 0 | 0% | 2 | 6% | 14 | 44% | 32 |
| | | Fall 2014 | 176 | 67% | 13 | 5% | 0 | 0% | 5 | 2% | 5 | 2% | 62 | 24% | 261 |
| | Year 2 | Spring 2015 | 111 | 52% | 15 | 7% | 0 | 0% | 6 | 3% | 3 | 1% | 78 | 37% | 213 |
| | | Summer 2015 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | | Fall 2015 | 37 | 46% | 8 | 10% | 0 | 0% | 5 | 6% | 2 | 3% | 28 | 35% | 80 |
| | Year 3 | Spring 2016 | 38 | 68% | 7 | 13% | 0 | 0% | 0 | 0% | 0 | 0% | 11 | 20% | 56 |
| | | Summer 2016 | 60 | 53% | 8 | 7% | 0 | 0% | 5 | 4% | 3 | 3% | 37 | 33% | 113 |
| | | Fall 2016 | 75 | 46% | 17 | 10% | 0 | 0% | 5 | 3% | 5 | 3% | 60 | 37% | 162 |
| | Year 4 | Spring 2017 | 131 | 49% | 28 | 10% | 0 | 0% | 14 | 5% | 4 | 1% | 92 | 34% | 269 |
| | | Summer 2017 | 5 | 18% | 6 | 21% | 0 | 0% | 4 | 14% | 0 | 0% | 13 | 46% | 28 |
| Quinsigamond | | Fall 2017 | 52 | 64% | 2 | 2% | 0 | 0% | 4 | 5% | 0 | 0% | 23 | 28% | 81 |
| Quino iguino na | Year 5 | Spring 2018 | 90 | 50% | 13 | 7% | 0 | 0% | 16 | 9% | 2 | 1% | 59 | 33% | 180 |
| | | Summer 2018 | 112 | 32% | 36 | 10% | 0 | 0% | 51 | 15% | 6 | 2% | 142 | 41% | 347 |
| | | Fall 2018 | 65 | 30% | 18 | 8% | 0 | 0% | 33 | 15% | 3 | 1% | 96 | 45% | 215 |
| | Year 6 | Spring 2019 | 72 | 34% | 15 | 7% | 0 | 0% | 40 | 19% | 7 | 3% | 76 | 36% | 210 |
| | | Summer 2019 | 32 | 23% | 14 | 10% | 0 | 0% | 32 | 23% | 1 | 1% | 58 | 42% | 137 |
| | | Fall 2019 | 35 | 9% | 43 | 11% | 0 | 0% | 134 | 33% | 6 | 1% | 188 | 46% | 406 |
| | Year 7 | Spring 2020 | 1 | 5% | 3 | 15% | 0 | 0% | 8 | 40% | 1 | 5% | 7 | 35% | 20 |
| | | Summer 2020 | 0 | 0% | 1 | 3% | 0 | 0% | 24 | 77% | 1 | 3% | 5 | 16% | 31 |
| | | Fall 2020 | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 100% | 0 | 0% | 0 | 0% | 1 |
| | Year 8 | Spring 2021 | 0 | 0% | 1 | 50% | 0 | 0% | 1 | 50% | 0 | 0% | 0 | 0% | 2 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 26 | 96% | 0 | 0% | 1 | 4% | 27 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 11 | 100% | 0 | 0% | 0 | 0% | 11 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, k | y Institution | n and SSA St | arting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|-------------|-----------------------|----------------|-----------------|---------------|-------------------------|-------------|-----------------------|-----|-----------------|------------------------------|
| Institution | SSA Year | Term | | degree or ficate | | d to 4-year cution | Joined work | l STEM force | | at original all 2021 | | d to 2-year tution | | rminate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 3 | 18% | 2 | 12% | 0 | 0% | 0 | 0% | 3 | 18% | 9 | 53% | 17 |
| | Tear 1 | Summer 2014 | 1 | 100% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 1 |
| | | Fall 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | Year 2 | Spring 2015 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | | Summer 2015 | 1 | 50% | 1 | 50% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 2 |
| | | Fall 2015 | 9 | 28% | 5 | 16% | 1 | 3% | 0 | 0% | 2 | 6% | 15 | 47% | 32 |
| | Year 3 | Spring 2016 | 163 | 61% | 18 | 7% | 0 | 0% | 2 | 1% | 9 | 3% | 77 | 29% | 269 |
| | | Summer 2016 | 25 | 45% | 5 | 9% | 1 | 2% | 3 | 5% | 4 | 7% | 17 | 31% | 55 |
| | | Fall 2016 | 112 | 48% | 21 | 9% | 0 | 0% | 8 | 3% | 13 | 6% | 81 | 34% | 235 |
| | Year 4 | Spring 2017 | 63 | 46% | 17 | 13% | 2 | 1% | 4 | 3% | 9 | 7% | 41 | 30% | 136 |
| | | Summer 2017 | 4 | 22% | 3 | 17% | 0 | 0% | 2 | 11% | 1 | 6% | 8 | 44% | 18 |
| Roxbury | | Fall 2017 | 46 | 26% | 22 | 13% | 0 | 0% | 11 | 6% | 11 | 6% | 85 | 49% | 175 |
| nonzai y | Year 5 | Spring 2018 | 12 | 24% | 5 | 10% | 0 | 0% | 1 | 2% | 2 | 4% | 30 | 60% | 50 |
| | | Summer 2018 | 11 | 34% | 6 | 19% | 0 | 0% | 0 | 0% | 1 | 3% | 14 | 44% | 32 |
| | | Fall 2018 | 37 | 14% | 25 | 9% | 0 | 0% | 30 | 11% | 23 | 9% | 155 | 57% | 270 |
| | Year 6 | Spring 2019 | 20 | 11% | 15 | 8% | 1 | 1% | 26 | 14% | 12 | 6% | 115 | 61% | 189 |
| | | Summer 2019 | 7 | 19% | 3 | 8% | 0 | 0% | 2 | 5% | 3 | 8% | 22 | 59% | 37 |
| | | Fall 2019 | 13 | 6% | 23 | 10% | 0 | 0% | 57 | 25% | 14 | 6% | 121 | 53% | 228 |
| | Year 7 | Spring 2020 | 13 | 8% | 7 | 5% | 0 | 0% | 50 | 33% | 8 | 5% | 75 | 49% | 153 |
| | | Summer 2020 | 5 | 17% | 3 | 10% | 0 | 0% | 12 | 41% | 0 | 0% | 9 | 31% | 29 |
| | | Fall 2020 | 9 | 5% | 4 | 2% | 0 | 0% | 69 | 37% | 9 | 5% | 97 | 52% | 188 |
| | Year 8 | Spring 2021 | 4 | 4% | 4 | 4% | 0 | 0% | 53 | 56% | 2 | 2% | 31 | 33% | 94 |
| | | Summer 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 24 | 67% | 0 | 0% | 12 | 33% | 36 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 80 | 99% | 0 | 0% | 1 | 1% | 81 |

| | | Tabl | e 12A: Fall 2 | 021 Progre | ss and Comp | letion Rates | for SSA Pa | rticipants, b | y Institutio | n and SSA St | tarting Term | 1* | | | |
|-------------|----------|-------------|---------------|---------------------|----------------------|----------------------|----------------|------------------|--------------|-------------------------|--------------|------------------------|----|-----------------|------------------------------|
| Institution | SSA Year | Term | | legree or ficate | Transferre instit | d to 4-year ution | Joined work | l STEM rforce | | at original all 2021 | | ed to 2-year tution | | rminate us** | Total trackable participants |
| | | | # | % | # | % | # | % | # | % | # | % | # | % | |
| | Year 1 | Spring 2014 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |
| | lear 1 | Summer 2014 | 20 | 65% | 2 | 6% | 0 | 0% | 2 | 6% | 3 | 10% | 4 | 13% | 31 |
| | | Fall 2014 | 9 | 82% | 1 | 9% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 9% | 11 |
| | Year 2 | Spring 2015 | 8 | 80% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 10% | 1 | 10% | 10 |
| | | Summer 2015 | 11 | 50% | 2 | 9% | 0 | 0% | 0 | 0% | 3 | 14% | 6 | 27% | 22 |
| | | Fall 2015 | 4 | 80% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 20% | 0 | 0% | 5 |
| | Year 3 | Spring 2016 | 5 | 63% | 0 | 0% | 0 | 0% | 0 | 0% | 1 | 13% | 2 | 25% | 8 |
| | | Summer 2016 | 17 | 45% | 2 | 5% | 3 | 8% | 2 | 5% | 3 | 8% | 11 | 29% | 38 |
| | | Fall 2016 | 20 | 69% | 1 | 3% | 0 | 0% | 0 | 0% | 1 | 3% | 7 | 24% | 29 |
| | Year 4 | Spring 2017 | 61 | 60% | 5 | 5% | 2 | 2% | 1 | 1% | 4 | 4% | 28 | 28% | 101 |
| | | Summer 2017 | 21 | 48% | 5 | 11% | 0 | 0% | 2 | 5% | 0 | 0% | 16 | 36% | 44 |
| Springfield | | Fall 2017 | 3 | 43% | 0 | 0% | 0 | 0% | 1 | 14% | 0 | 0% | 3 | 43% | 7 |
| Technical | Year 5 | Spring 2018 | 46 | 58% | 8 | 10% | 3 | 4% | 2 | 3% | 4 | 5% | 16 | 20% | 79 |
| | | Summer 2018 | 26 | 41% | 3 | 5% | 0 | 0% | 13 | 21% | 0 | 0% | 21 | 33% | 63 |
| | | Fall 2018 | 29 | 45% | 9 | 14% | 1 | 2% | 7 | 11% | 1 | 2% | 17 | 27% | 64 |
| | Year 6 | Spring 2019 | 50 | 40% | 8 | 6% | 5 | 4% | 25 | 20% | 3 | 2% | 34 | 27% | 125 |
| | | Summer 2019 | 11 | 16% | 5 | 7% | 2 | 3% | 24 | 36% | 0 | 0% | 25 | 37% | 67 |
| | | Fall 2019 | 30 | 33% | 5 | 5% | 10 | 11% | 16 | 18% | 3 | 3% | 27 | 30% | 91 |
| | Year 7 | Spring 2020 | 16 | 18% | 8 | 9% | 2 | 2% | 42 | 46% | 1 | 1% | 22 | 24% | 91 |
| | | Summer 2020 | 8 | 16% | 1 | 2% | 0 | 0% | 23 | 46% | 1 | 2% | 17 | 34% | 50 |
| | | Fall 2020 | 15 | 20% | 9 | 12% | 0 | 0% | 31 | 41% | 0 | 0% | 20 | 27% | 75 |
| | Year 8 | Spring 2021 | 10 | 11% | 7 | 8% | 0 | 0% | 56 | 63% | 0 | 0% | 16 | 18% | 89 |
| | | Summer 2021 | 0 | 0% | 2 | 4% | 0 | 0% | 41 | 89% | 0 | 0% | 3 | 7% | 46 |
| | Year 9 | Fall 2021 | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 |

^{*}Mutually exclusive outcomes are listed from left to right in order of priority (e.g. "earned degree or certificate" is considered a higher outcome than "transferred to 4-year institution"). Includes only Group 1–3 (Primary) participants with a valid HEIRS ID.

^{**}Indeterminate status indicates students for whom there is no information to indicate that they have achieved one of the other documented outcomes or remain enrolled.

| Table 13: Fall to Fall Retention (SSA Participants | of Full-Time, First-Tin | | g Students |
|--|---|--------------------------|------------|
| | Number of full-time, first-time degree | Retained to foll institu | _ |
| | seeking students | # | % |
| Fall 2014 to Fall 2015 | | | |
| SSA | 341 | 182 | 53% |
| All students | 9,800 | 5,334 | 56% |
| Fall 2015 to Fall 2016 | | | |
| SSA | 302 | 150 | 50% |
| All students | 8,908 | 4,869 | 57% |
| Fall 2016 to Fall 2017 | | | |
| SSA | 313 | 153 | 49% |
| All students | 8,208 | 4,457 | 56% |
| Fall 2017 to Fall 2018 | | | |
| SSA | 272 | 153 | 56% |
| All students | 7,917 | 4,290 | 56% |
| Fall 2018 to Fall 2019 | | | |
| SSA | 355 | 230 | 65% |
| All students | 7,334 | 3,890 | 56% |
| Fall 2019 to Fall 2020 | | | |
| SSA | 431 | 261 | 61% |
| All students | 7,401 | 3,635 | 52% |
| Fall 2020 to Fall 2021 | | | |
| SSA | 144 | 90 | 63% |
| All students | 5,591 | 3,024 | 56% |

^{*}SSA Participants include Group 1–3 (Primary) SSA participants with valid HEIRS ID who first participated in SSA as full time, first time degree seeking students and were enrolled in community college in the given fall term (e.g. enrolled in Fall 2014 for "Fall 2014 to Fall 2015" retention).

| | | | | | | Retained to f | ollowing Fall | at Institutio | n | | | | | | |
|-------------------|--------------|-----------|--------------|-------------|-------------|---------------|---------------|---------------|--------------|-------------|-------------|-------------|--------------|-------------|--------------|
| Institution | Student type | Fall 2014 | to Fall 2015 | Fall 2015 t | o Fall 2016 | Fall 2016 t | o Fall 2017 | Fall 2017 t | to Fall 2018 | Fall 2018 t | o Fall 2019 | Fall 2019 t | to Fall 2020 | Fall 2020 t | to Fall 2021 |
| | | # | % | # | % | # | % | # | % | # | % | # | % | # | % |
| Berkshire | SSA | 0 | 0% | 0 | 0% | 1 | 100% | 6 | 50% | 1 | 50% | 3 | 60% | 3 | 100% |
| Derkstille | All students | 111 | 53% | 117 | 57% | 76 | 56% | 81 | 54% | 43 | 46% | 59 | 42% | 51 | 52% |
| Bristol | SSA | 1 | 33% | 2 | 40% | 13 | 76% | 0 | 0% | 1 | 100% | 6 | 60% | 0 | 0% |
| DIISCOI | All students | 695 | 60% | 662 | 61% | 656 | 59% | 550 | 59% | 495 | 59% | 492 | 54% | 396 | 56% |
| Bunker Hill | SSA | 6 | 55% | 7 | 70% | 1 | 100% | 0 | 0% | 0 | 0% | 1 | 100% | 0 | 0% |
| Dulikei IIIII | All students | 681 | 60% | 433 | 61% | 615 | 64% | 613 | 61% | 640 | 59% | 519 | 57% | 437 | 63% |
| Cape Cod | SSA | 29 | 66% | 37 | 73% | 1 | 100% | 27 | 49% | 38 | 78% | 15 | 65% | 0 | 0% |
| cape cou | All students | 150 | 50% | 146 | 49% | 103 | 49% | 100 | 38% | 132 | 59% | 144 | 52% | 118 | 52% |
| Greenfield | SSA | 0 | 0% | 0 | 0% | 1 | 100% | 16 | 76% | 39 | 81% | 18 | 72% | 0 | 0% |
| oreenneid | All students | 89 | 61% | 84 | 57% | 43 | 48% | 42 | 60% | 61 | 62% | 49 | 58% | 41 | 51% |
| Holyoke | SSA | 26 | 67% | 0 | 0% | 0 | 0% | 3 | 50% | 6 | 75% | 10 | 77% | 5 | 63% |
| Потуоке | All students | 523 | 57% | 469 | 52% | 445 | 56% | 417 | 56% | 344 | 56% | 291 | 53% | 199 | 60% |
| Mass Bay | SSA | 51 | 59% | 48 | 55% | 57 | 64% | 44 | 52% | 21 | 64% | 23 | 61% | 30 | 70% |
| iviass bay | All students | 257 | 50% | 275 | 56% | 244 | 54% | 239 | 51% | 237 | 54% | 209 | 48% | 180 | 51% |
| Massasoit | SSA | 2 | 100% | 5 | 63% | 5 | 63% | 6 | 86% | 2 | 100% | 4 | 100% | 4 | 80% |
| iviassasoit | All students | 604 | 57% | 595 | 60% | 564 | 60% | 493 | 61% | 421 | 57% | 431 | 57% | 314 | 64% |
| Middlesex | SSA | 15 | 71% | 5 | 56% | 7 | 100% | 3 | 60% | 15 | 63% | 24 | 73% | 7 | 88% |
| Middlesex | All students | 581 | 60% | 557 | 60% | 460 | 59% | 456 | 59% | 389 | 57% | 368 | 52% | 295 | 59% |
| Mt. Wachusett | SSA | 0 | 0% | 0 | 0% | 1 | 1% | 2 | 22% | 0 | 0% | 15 | 48% | 3 | 75% |
| ivit. vvaciiusett | All students | 195 | 48% | 182 | 43% | 185 | 42% | 149 | 54% | 171 | 53% | 169 | 51% | 122 | 55% |
| North Shore | SSA | 0 | 0% | 22 | 65% | 14 | 58% | 12 | 60% | 6 | 86% | 7 | 50% | 23 | 66% |
| North Shore | All students | 315 | 53% | 329 | 57% | 273 | 56% | 316 | 60% | 272 | 55% | 214 | 43% | 206 | 51% |
| Northern Essex | SSA | 38 | 58% | 6 | 100% | 11 | 65% | 18 | 72% | 36 | 71% | 15 | 68% | 0 | 0% |
| NOTUIEIII ESSEX | All students | 336 | 55% | 328 | 54% | 271 | 53% | 273 | 51% | 244 | 54% | 272 | 52% | 201 | 50% |
| Quinsigamond | SSA | 14 | 64% | 15 | 83% | 28 | 52% | 6 | 100% | 30 | 79% | 69 | 62% | 1 | 100% |
| Quinsiganiond | All students | 419 | 53% | 381 | 52% | 354 | 50% | 352 | 54% | 307 | 58% | 309 | 57% | 328 | 52% |
| Povbury | SSA | 0 | 0% | 3 | 60% | 9 | 60% | 10 | 50% | 34 | 40% | 41 | 49% | 13 | 41% |
| Roxbury | All students | 47 | 38% | 32 | 49% | 19 | 35% | 29 | 35% | 52 | 33% | 63 | 36% | 24 | 29% |
| Springfield | SSA | 0 | 0% | 0 | 0% | 4 | 100% | 0 | 0% | 1 | 50% | 10 | 56% | 1 | 100% |
| Technical | All students | 513 | 60% | 429 | 58% | 302 | 54% | 333 | 53% | 312 | 56% | 307 | 54% | 202 | 55% |

^{*}SSA Participants include Group 1–3 (Primary) SSA participants with valid HEIRS ID who first participated in SSA as full time, first time degree seeking students and were enrolled in community college in the given fall term (e.g. enrolled in Fall 2014 for "Fall 2014 to Fall 2015" retention).

| | | | | | Table 14: | Student Stat | us at Point o | of Entry to S | SA by Year o | f First Partic | ipation* | | | | | |
|----------|------------|----------|-------|-------|-----------|--------------------|---------------|---------------|--------------|------------------|----------|----------|--------|-------|--------|------|
| | | | | | New to I | nstitution | | | | | | | | | | |
| SSA Year | First-time | freshmen | Trar | nsfer | | tted/ re- rated | Non-d | legree | | king r degree | Dual-en | rolled** | Conti | nuing | Tot | tal |
| | # | % | # | % | # | % | # | % | # | % | # | % | # | % | # | % |
| Year 1 | 240 | 24% | 29 | 3% | 40 | 4% | 62 | 6% | 545 | 0% | 203 | 20% | 426 | 43% | 1,000 | 100% |
| Year 2 | 742 | 21% | 151 | 4% | 104 | 3% | 97 | 3% | 0 | 0% | 294 | 8% | 2,163 | 61% | 3,555 | 100% |
| Year 3 | 830 | 21% | 183 | 5% | 158 | 4% | 101 | 3% | 4 | 0% | 219 | 5% | 2,502 | 63% | 3,995 | 100% |
| Year 4 | 840 | 18% | 248 | 5% | 167 | 4% | 153 | 3% | 2 | 0% | 318 | 7% | 2,964 | 63% | 4,691 | 100% |
| Year 5 | 844 | 19% | 261 | 6% | 198 | 4% | 171 | 4% | 1 | 0% | 536 | 12% | 2,428 | 55% | 4,445 | 100% |
| Year 6 | 894 | 21% | 320 | 8% | 250 | 6% | 122 | 3% | 7 | 0% | 382 | 9% | 2,274 | 54% | 4,245 | 100% |
| Year 7 | 891 | 27% | 291 | 9% | 140 | 4% | 53 | 2% | 3 | 0% | 151 | 5% | 1,758 | 53% | 3,290 | 100% |
| Year 8 | 474 | 21% | 148 | 7% | 156 | 7% | 42 | 2% | 6 | 0% | 127 | 6% | 1,280 | 57% | 2,233 | 100% |
| Year 9 | 508 | 49% | 86 | 8% | 74 | 7% | 19 | 2% | 6 | 0% | 43 | 4% | 303 | 29% | 1,035 | 100% |
| Total | 6,263 | | 1,717 | | 1,287 | | 820 | | 574 | | 2,273 | | 16,098 | | 28,489 | |

^{*}Includes Group 1–3 (Primary) participants with valid HEIRS ID.

^{**}All dual-enrolled students, some of whom are continuing and some of whom are new to the institution.

| | Tab | ole 14A: Student | Status at Poir | nt of Entry to SSA | by Year of First | t Participation ar | nd Institution* | | |
|-------------|----------|------------------------|----------------|------------------------------|------------------|------------------------------|-----------------|------------|-------|
| Institution | SSA Year | | | New to Institution | on | | Dual- | Continuing | Total |
| | | First-time freshmen | Transfer | Re-admitted/ re-activated | Non-degree | Seeking another degree | enrolled** | j | |
| | Year 1 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 21 |
| | Year 2 | 30 | 0 | 0 | 0 | 0 | 48 | 10 | 88 |
| | Year 3 | 21 | 1 | 2 | 2 | 0 | 29 | 7 | 62 |
| | Year 4 | 67 | 6 | 7 | 0 | 0 | 23 | 12 | 115 |
| Berkshire | Year 5 | 97 | 9 | 7 | 3 | 0 | 35 | 65 | 216 |
| | Year 6 | 43 | 8 | 7 | 2 | 0 | 34 | 33 | 127 |
| | Year 7 | 22 | 2 | 0 | 0 | 1 | 0 | 9 | 34 |
| | Year 8 | 26 | 2 | 2 | 0 | 0 | 5 | 18 | 53 |
| | Year 9 | 7 | 1 | 1 | 0 | 1 | 0 | 5 | 15 |
| | Year 1 | 3 | 0 | 0 | 37 | 0 | 1 | 42 | 83 |
| | Year 2 | 17 | 8 | 2 | 37 | 0 | 2 | 61 | 127 |
| | Year 3 | 23 | 6 | 3 | 47 | 0 | 3 | 123 | 205 |
| | Year 4 | 45 | 4 | 5 | 77 | 0 | 8 | 99 | 238 |
| Bristol | Year 5 | 19 | 8 | 6 | 82 | 3 | 4 | 73 | 195 |
| | Year 6 | 6 | 4 | 1 | 6 | 1 | 12 | 64 | 94 |
| | Year 7 | 15 | 8 | 2 | 8 | 0 | 5 | 64 | 102 |
| | Year 8 | 7 | 3 | 3 | 10 | 0 | 15 | 22 | 60 |
| | Year 9 | 10 | 8 | 0 | 0 | 1 | 0 | 10 | 29 |
| | Year 1 | 3 | 2 | 0 | 0 | 0 | 0 | 53 | 58 |
| | Year 2 | 21 | 12 | 1 | 1 | 0 | 0 | 146 | 181 |
| | Year 3 | 16 | 14 | 1 | 3 | 0 | 0 | 261 | 295 |
| | Year 4 | 10 | 8 | 1 | 12 | 0 | 2 | 186 | 219 |
| Bunker Hill | Year 5 | 3 | 8 | 7 | 2 | 0 | 108 | 137 | 265 |
| | Year 6 | 5 | 3 | 0 | 2 | 0 | 12 | 81 | 103 |
| | Year 7 | 2 | 1 | 0 | 0 | 0 | 0 | 97 | 100 |
| | Year 8 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 75 |
| | Year 9 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |

| | Tal | ole 14A: Student | Status at Poir | nt of Entry to SSA | by Year of First | t Participation a | nd Institution* | | |
|-------------|----------|------------------------|----------------|------------------------------|---------------------|------------------------------|-----------------|-----|-----|
| Institution | SSA Year | | | New to Institution | Dual- enrolled** | Continuing | Total | | |
| | | First-time freshmen | Transfer | Re-admitted/ re-activated | Non-degree | Seeking another degree | enrolled** | | |
| | Year 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | Year 2 | 72 | 27 | 32 | 14 | 0 | 13 | 391 | 549 |
| Cape Cod | Year 3 | 89 | 14 | 35 | 21 | 0 | 18 | 345 | 522 |
| | Year 4 | 21 | 8 | 27 | 8 | 0 | 28 | 334 | 426 |
| | Year 5 | 90 | 32 | 30 | 18 | 0 | 24 | 264 | 458 |
| | Year 6 | 119 | 68 | 62 | 44 | 0 | 36 | 257 | 586 |
| | Year 7 | 51 | 28 | 9 | 2 | 0 | 11 | 34 | 135 |
| | Year 8 | 3 | 2 | 1 | 0 | 0 | 0 | 42 | 48 |
| | Year 9 | 0 | 6 | 8 | 4 | 0 | 0 | 48 | 66 |
| | Year 1 | 5 | 1 | 1 | 1 | 0 | 6 | 0 | 14 |
| | Year 2 | 3 | 0 | 3 | 1 | 0 | 7 | 0 | 14 |
| | Year 3 | 5 | 1 | 5 | 0 | 0 | 29 | 23 | 63 |
| | Year 4 | 10 | 1 | 2 | 1 | 0 | 28 | 29 | 71 |
| Greenfield | Year 5 | 74 | 24 | 24 | 4 | 0 | 68 | 230 | 424 |
| | Year 6 | 88 | 31 | 28 | 12 | 0 | 74 | 118 | 351 |
| | Year 7 | 40 | 23 | 14 | 5 | 0 | 32 | 72 | 186 |
| | Year 8 | 5 | 6 | 2 | 2 | 0 | 23 | 50 | 88 |
| | Year 9 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 10 |
| | Year 1 | 11 | 3 | 2 | 5 | 0 | 30 | 4 | 55 |
| | Year 2 | 75 | 15 | 11 | 0 | 0 | 6 | 91 | 198 |
| | Year 3 | 23 | 0 | 1 | 0 | 0 | 12 | 16 | 52 |
| | Year 4 | 11 | 3 | 7 | 2 | 0 | 5 | 21 | 49 |
| Holyoke | Year 5 | 11 | 4 | 9 | 1 | 2 | 19 | 66 | 112 |
| | Year 6 | 16 | 6 | 5 | 3 | 0 | 46 | 60 | 136 |
| | Year 7 | 22 | 14 | 7 | 5 | 3 | 9 | 219 | 279 |
| | Year 8 | 23 | 9 | 13 | 3 | 3 | 11 | 175 | 237 |
| | Year 9 | 20 | 3 | 9 | 0 | 0 | 1 | 50 | 83 |

| | Tak | ole 14A: Student | Status at Poir | nt of Entry to SSA | by Year of First | t Participation a | nd Institution* | | |
|-------------|----------|------------------------|----------------|------------------------------|---------------------|------------------------------|-----------------|-----|-----|
| Institution | SSA Year | | | New to Institution | Dual- enrolled** | Continuing | Total | | |
| | | First-time freshmen | Transfer | Re-admitted/ re-activated | Non-degree | Seeking another degree | enrollea | | |
| | Year 1 | 19 | 5 | 0 | 6 | 0 | 3 | 63 | 96 |
| | Year 2 | 137 | 16 | 2 | 10 | 0 | 4 | 483 | 652 |
| Mass Bay | Year 3 | 198 | 16 | 4 | 11 | 0 | 9 | 291 | 529 |
| | Year 4 | 154 | 32 | 13 | 17 | 0 | 11 | 271 | 498 |
| | Year 5 | 181 | 24 | 9 | 24 | 0 | 29 | 212 | 479 |
| | Year 6 | 78 | 30 | 4 | 7 | 0 | 30 | 177 | 326 |
| | Year 7 | 65 | 18 | 4 | 3 | 0 | 10 | 79 | 179 |
| | Year 8 | 87 | 27 | 3 | 8 | 0 | 0 | 89 | 214 |
| | Year 9 | 53 | 22 | 3 | 5 | 0 | 0 | 21 | 104 |
| | Year 1 | 30 | 0 | 0 | 1 | 0 | 11 | 3 | 45 |
| | Year 2 | 14 | 4 | 0 | 0 | 0 | 1 | 26 | 45 |
| | Year 3 | 16 | 12 | 0 | 0 | 0 | 0 | 87 | 115 |
| | Year 4 | 25 | 6 | 0 | 2 | 1 | 53 | 54 | 141 |
| Massasoit | Year 5 | 13 | 6 | 0 | 0 | 0 | 11 | 40 | 70 |
| | Year 6 | 3 | 3 | 0 | 0 | 0 | 1 | 40 | 47 |
| | Year 7 | 7 | 5 | 0 | 0 | 1 | 1 | 29 | 43 |
| | Year 8 | 9 | 3 | 0 | 0 | 0 | 0 | 18 | 30 |
| | Year 9 | 10 | 2 | 0 | 0 | 0 | 0 | 14 | 26 |
| | Year 1 | 17 | 4 | 2 | 1 | 0 | 3 | 115 | 142 |
| | Year 2 | 49 | 18 | 4 | 5 | 0 | 8 | 289 | 373 |
| | Year 3 | 15 | 17 | 1 | 2 | 0 | 19 | 215 | 269 |
| | Year 4 | 22 | 27 | 4 | 4 | 0 | 10 | 528 | 595 |
| Middlesex | Year 5 | 11 | 11 | 1 | 2 | 0 | 76 | 180 | 281 |
| | Year 6 | 40 | 19 | 4 | 7 | 0 | 23 | 226 | 319 |
| | Year 7 | 46 | 20 | 1 | 2 | 0 | 5 | 121 | 195 |
| | Year 8 | 13 | 1 | 1 | 1 | 0 | 0 | 38 | 54 |
| | Year 9 | 257 | 21 | 7 | 7 | 0 | 32 | 55 | 379 |

| | Tab | le 14A: Student | Status at Poir | nt of Entry to SSA | by Year of First | t Participation a | nd Institution* | | |
|----------------|----------|------------------------|----------------|------------------------------|---------------------|------------------------------|-----------------|-----|-----|
| Institution | SSA Year | | | New to Institution | Dual- enrolled** | Continuing | Total | | |
| | | First-time freshmen | Transfer | Re-admitted/ re-activated | Non-degree | Seeking another degree | emoneu | | |
| | Year 1 | 85 | 9 | 8 | 3 | 0 | 117 | 51 | 273 |
| | Year 2 | 106 | 9 | 2 | 2 | 0 | 58 | 15 | 192 |
| | Year 3 | 132 | 10 | 3 | 3 | 0 | 66 | 21 | 235 |
| | Year 4 | 153 | 21 | 1 | 5 | 0 | 59 | 17 | 256 |
| Mt. Wachusett | Year 5 | 33 | 6 | 3 | 1 | 0 | 89 | 19 | 151 |
| | Year 6 | 24 | 0 | 1 | 19 | 0 | 44 | 20 | 108 |
| | Year 7 | 52 | 7 | 2 | 4 | 0 | 38 | 71 | 174 |
| | Year 8 | 29 | 5 | 7 | 0 | 0 | 0 | 25 | 66 |
| | Year 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | Year 1 | 7 | 0 | 1 | 0 | 0 | 30 | 17 | 55 |
| | Year 2 | 25 | 9 | 2 | 5 | 0 | 141 | 21 | 203 |
| | Year 3 | 67 | 35 | 22 | 2 | 0 | 24 | 357 | 507 |
| | Year 4 | 66 | 48 | 14 | 8 | 0 | 75 | 556 | 767 |
| North Shore | Year 5 | 61 | 36 | 8 | 13 | 0 | 65 | 262 | 445 |
| | Year 6 | 31 | 26 | 11 | 1 | 0 | 60 | 182 | 311 |
| | Year 7 | 100 | 42 | 22 | 0 | 0 | 10 | 267 | 441 |
| | Year 8 | 111 | 55 | 30 | 3 | 0 | 0 | 328 | 527 |
| | Year 9 | 38 | 10 | 4 | 0 | 0 | 0 | 44 | 96 |
| | Year 1 | 13 | 0 | 1 | 0 | 0 | 0 | 2 | 16 |
| | Year 2 | 121 | 18 | 32 | 8 | 0 | 1 | 234 | 414 |
| | Year 3 | 136 | 45 | 54 | 5 | 0 | 2 | 243 | 485 |
| | Year 4 | 65 | 14 | 32 | 3 | 0 | 4 | 176 | 294 |
| Northern Essex | Year 5 | 51 | 19 | 48 | 4 | 0 | 3 | 210 | 335 |
| | Year 6 | 91 | 26 | 58 | 1 | 0 | 0 | 247 | 423 |
| | Year 7 | 66 | 52 | 43 | 4 | 0 | 18 | 140 | 323 |
| | Year 8 | 24 | 19 | 23 | 2 | 0 | 62 | 93 | 223 |
| | Year 9 | 60 | 10 | 27 | 0 | 0 | 0 | 33 | 130 |

| | Tak | ole 14A: Student | Status at Poir | nt of Entry to SSA | by Year of First | t Participation a | nd Institution* | | |
|--------------|----------|------------------------|----------------|------------------------------|---------------------|------------------------------|-----------------|-----|-----|
| Institution | SSA Year | | | New to Institution | Dual- enrolled** | Continuing | Total | | |
| | | First-time freshmen | Transfer | Re-admitted/ re-activated | Non-degree | Seeking another degree | enrolled** | • | |
| | Year 1 | 19 | 2 | 4 | 2 | 0 | 0 | 61 | 88 |
| | Year 2 | 51 | 14 | 13 | 13 | 4 | 5 | 374 | 474 |
| | Year 3 | 42 | 8 | 5 | 4 | 2 | 5 | 183 | 249 |
| | Year 4 | 117 | 25 | 6 | 8 | 0 | 9 | 294 | 459 |
| Quinsigamond | Year 5 | 120 | 37 | 17 | 13 | 0 | 3 | 418 | 608 |
| | Year 6 | 84 | 38 | 13 | 5 | 0 | 1 | 421 | 562 |
| | Year 7 | 212 | 28 | 10 | 5 | 0 | 4 | 198 | 457 |
| | Year 8 | 25 | 3 | 0 | 0 | 0 | 0 | 2 | 30 |
| | Year 9 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 11 |
| | Year 1 | 0 | 0 | 1 | 6 | 0 | 1 | 10 | 18 |
| | Year 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | Year 3 | 19 | 3 | 22 | 1 | 0 | 1 | 310 | 356 |
| | Year 4 | 40 | 35 | 44 | 2 | 0 | 3 | 265 | 389 |
| Roxbury | Year 5 | 46 | 29 | 26 | 1 | 0 | 2 | 153 | 257 |
| | Year 6 | 223 | 45 | 50 | 2 | 0 | 7 | 169 | 496 |
| | Year 7 | 147 | 35 | 14 | 5 | 0 | 5 | 204 | 410 |
| | Year 8 | 95 | 3 | 67 | 8 | 0 | 11 | 134 | 318 |
| | Year 9 | 51 | 2 | 15 | 3 | 0 | 1 | 9 | 81 |
| | Year 1 | 3 | 3 | 19 | 0 | 0 | 1 | 5 | 31 |
| | Year 2 | 20 | 1 | 0 | 1 | 0 | 0 | 21 | 43 |
| | Year 3 | 28 | 1 | 0 | 0 | 0 | 2 | 20 | 51 |
| 6 : 611 | Year 4 | 34 | 10 | 4 | 4 | 0 | 0 | 122 | 174 |
| Springfield | Year 5 | 34 | 8 | 3 | 3 | 2 | 0 | 99 | 149 |
| Technical | Year 6 | 43 | 13 | 6 | 11 | 2 | 2 | 179 | 256 |
| | Year 7 | 44 | 8 | 12 | 10 | 1 | 3 | 154 | 232 |
| | Year 8 | 17 | 10 | 4 | 5 | 3 | 0 | 171 | 210 |
| | Year 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

^{*}Includes Group 1–3 (Primary) participants with valid HEIRS ID.

**All dual-enrolled students, some of whom are continuing and some of whom are new to the institution.

| Table 15: Number of SSA Participants Earning Degrees and Certificates by Year of First Participation* | | | | | | | | | | |
|---|-------------------------------------|---------------|-------|--|--|--|--|--|--|--|
| SSA Year | Total trackable SSA participants | any degree or | | | | | | | | |
| Year 1 | 1,000 | 469 | 287 | | | | | | | |
| Year 2 | 3,555 | 1,665 | 949 | | | | | | | |
| Year 3 | 3,995 | 1,944 | 1,157 | | | | | | | |
| Year 4 | 4,691 | 2,059 | 1,269 | | | | | | | |
| Year 5 | 4,445 | 1,609 | 918 | | | | | | | |
| Year 6 | 4,245 | 1,163 | 677 | | | | | | | |
| Year 7 | 3,290 | 541 | 335 | | | | | | | |
| Year 8 | 2,233 | 123 | 84 | | | | | | | |
| Year 9 | 1,035 | 0 | 0 | | | | | | | |
| Total | 28,489 | 9,573 | 5,676 | | | | | | | |

^{*}Includes Group 1–3 (Primary) participants with valid HEIRS ID. Degrees and certificates are included in counts if earned at any institution after students' first SSA participation.

| Table 1 | | tudents Earning Degre | | , |
|-------------|-------------------|----------------------------------|---|--|
| | by Institution an | d Year of First Particip | ation* | |
| Institution | SSA Year | Total trackable SSA participants | Number of students who earned degrees or certificates | Number of students who earned STEM degrees or certificates |
| | Year 1 | 21 | 7 | 3 |
| | Year 2 | 88 | 35 | 17 |
| | Year 3 | 62 | 20 | 12 |
| | Year 4 | 115 | 36 | 21 |
| Berkshire | Year 5 | 216 | 59 | 30 |
| | Year 6 | 127 | 25 | 13 |
| | Year 7 | 34 | 4 | 2 |
| | Year 8 | 53 | 2 | 0 |
| | Year 9 | 15 | 0 | 0 |
| | Year 1 | 83 | 51 | 38 |
| | Year 2 | 127 | 63 | 48 |
| | Year 3 | 205 | 110 | 72 |
| | Year 4 | 238 | 76 | 42 |
| Bristol | Year 5 | 195 | 64 | 35 |
| | Year 6 | 94 | 43 | 32 |
| | Year 7 | 102 | 29 | 8 |
| | Year 8 | 60 | 3 | 2 |
| | Year 9 | 29 | 0 | 0 |
| | Year 1 | 58 | 19 | 10 |
| | Year 2 | 181 | 57 | 40 |
| | Year 3 | 295 | 137 | 100 |
| | Year 4 | 219 | 100 | 81 |
| Bunker Hill | Year 5 | 265 | 56 | 43 |
| | Year 6 | 103 | 17 | 14 |
| | Year 7 | 100 | 18 | 14 |
| | Year 8 | 75 | 3 | 1 |
| | Year 9 | 4 | 0 | 0 |
| | Year 1 | 5 | 5 | 3 |
| | Year 2 | 549 | 313 | 112 |
| | Year 3 | 522 | 275 | 100 |
| | Year 4 | 426 | 209 | 80 |
| Cape Cod | Year 5 | 458 | 202 | 100 |
| | Year 6 | 586 | 205 | 99 |
| | Year 7 | 135 | 15 | 13 |
| | Year 8 | 48 | 11 | 11 |
| | Year 9 | 66 | 0 | 0 |

| Table 1 | | Students Earning Degree | | , |
|-------------|------------------|--|---|--|
| Institution | by Institution a | nd Year of First Particip Total trackable SSA participants | Number of students who earned degrees or certificates | Number of students who earned STEM degrees or |
| | Vanu 1 | 1.4 | 7 | certificates |
| | Year 1 | 14 14 | 7 6 | 5 3 |
| | Year 2 | | | |
| | Year 3 | 63 | 28 | 18 |
| C (' | Year 4 | 71 | 30 | 18 |
| Greenfield | Year 5 | 424 | 171 | 65 |
| | Year 6 | 351 | 92 | 30 |
| | Year 7 | 186 | 35 | 11 |
| | Year 8 | 88 | 2 | 0 |
| | Year 9 | 10 | 0 | 0 |
| | Year 1 | 55 | 25 | 9 |
| | Year 2 | 198 | 80 | 16 |
| | Year 3 | 52 | 24 | 9 |
| | Year 4 | 49 | 17 | 11 |
| Holyoke | Year 5 | 112 | 55 | 25 |
| | Year 6 | 136 | 36 | 12 |
| | Year 7 | 279 | 72 | 51 |
| | Year 8 | 237 | 17 | 13 |
| | Year 9 | 83 | 0 | 0 |
| | Year 1 | 96 | 48 | 23 |
| | Year 2 | 652 | 285 | 157 |
| | Year 3 | 529 | 208 | 107 |
| | Year 4 | 498 | 198 | 96 |
| Mass Bay | Year 5 | 479 | 141 | 66 |
| | Year 6 | 326 | 87 | 59 |
| | Year 7 | 179 | 23 | 14 |
| | Year 8 | 214 | 8 | 6 |
| | Year 9 | 104 | 0 | 0 |
| | Year 1 | 45 | 16 | 4 |
| | Year 2 | 45 | 18 | 5 |
| | Year 3 | 115 | 58 | 30 |
| | Year 4 | 141 | 31 | 10 |
| Massasoit | Year 5 | 70 | 31 | 16 |
| | Year 6 | 47 | 19 | 8 |
| | Year 7 | 43 | 16 | 12 |
| | Year 8 | 30 | 1 | 0 |
| | Year 9 | 26 | 0 | 0 |

| Table 19 | | udents Earning Degre | | , |
|----------------|--------------------|----------------------------------|---|--|
| | by Institution and | d Year of First Particip | ation* | |
| Institution | SSA Year | Total trackable SSA participants | Number of students who earned degrees or certificates | Number of students who earned STEM degrees or certificates |
| | Year 1 | 142 | 101 | 82 |
| | Year 2 | 373 | 244 | 177 |
| | Year 3 | 269 | 178 | 136 |
| | Year 4 | 595 | 364 | 248 |
| Middlesex | Year 5 | 281 | 134 | 82 |
| | Year 6 | 319 | 105 | 67 |
| | Year 7 | 195 | 58 | 50 |
| | Year 8 | 54 | 9 | 8 |
| | Year 9 | 379 | 0 | 0 |
| | Year 1 | 273 | 105 | 69 |
| | Year 2 | 192 | 44 | 16 |
| | Year 3 | 235 | 73 | 29 |
| | Year 4 | 256 | 60 | 27 |
| Mt. Wachusett | Year 5 | 151 | 37 | 19 |
| | Year 6 | 108 | 26 | 13 |
| | Year 7 | 174 | 27 | 21 |
| | Year 8 | 66 | 5 | 5 |
| | Year 9 | 1 | 0 | 0 |
| | Year 1 | 55 | 12 | 5 |
| | Year 2 | 203 | 53 | 31 |
| | Year 3 | 507 | 274 | 171 |
| | Year 4 | 767 | 318 | 201 |
| North Shore | Year 5 | 445 | 139 | 103 |
| | Year 6 | 311 | 65 | 43 |
| | Year 7 | 441 | 63 | 31 |
| | Year 8 | 527 | 18 | 10 |
| | Year 9 | 96 | 0 | 0 |
| | Year 1 | 16 | 7 | 6 |
| | Year 2 | 414 | 151 | 98 |
| | Year 3 | 485 | 201 | 132 |
| | Year 4 | 294 | 128 | 102 |
| Northern Essex | Year 5 | 335 | 122 | 107 |
| | Year 6 | 423 | 120 | 107 |
| | Year 7 | 323 | 60 | 53 |
| | Year 8 | 223 | 6 | 5 |
| | Year 9 | 130 | 0 | 0 |

| Table 15 | | udents Earning Degreed | | , |
|-----------------------|----------|----------------------------------|---|--|
| Institution | SSA Year | Total trackable SSA participants | Number of students who earned degrees or certificates | Number of students who earned STEM degrees or certificates |
| | Year 1 | 88 | 42 | 20 |
| | Year 2 | 474 | 287 | 207 |
| | Year 3 | 249 | 135 | 95 |
| | Year 4 | 459 | 211 | 160 |
| Quinsigamond | Year 5 | 608 | 254 | 156 |
| | Year 6 | 562 | 169 | 97 |
| | Year 7 | 457 | 36 | 21 |
| | Year 8 | 30 | 0 | 0 |
| | Year 9 | 11 | 0 | 0 |
| | Year 1 | 18 | 4 | 1 |
| | Year 2 | 2 | 1 | 0 |
| | Year 3 | 356 | 197 | 129 |
| | Year 4 | 389 | 179 | 111 |
| Roxbury | Year 5 | 257 | 69 | 30 |
| | Year 6 | 496 | 64 | 35 |
| | Year 7 | 410 | 31 | 14 |
| | Year 8 | 318 | 13 | 2 |
| | Year 9 | 81 | 0 | 0 |
| | Year 1 | 31 | 20 | 9 |
| | Year 2 | 43 | 28 | 22 |
| | Year 3 | 51 | 26 | 17 |
| | Year 4 | 174 | 102 | 61 |
| Springfield Technical | Year 5 | 149 | 75 | 41 |
| | Year 6 | 256 | 90 | 48 |
| | Year 7 | 232 | 54 | 20 |
| | Year 8 | 210 | 25 | 21 |
| | Year 9 | 0 | 0 | 0 |

^{*}Includes Group 1–3 (Primary) participants with valid HEIRS ID. Degrees and certificates are included in counts if earned at any institution after students' first SSA participation.

| Table 16: A | nnual Numbe | er of STEM D | egrees and C | ertificates Ea | rned by All Co | ommunity Co | llege Studen | ts* |
|-----------------------|-------------|--------------|--------------|----------------|----------------|-------------|--------------|---------|
| Institution | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Berkshire | 183 | 231 | 221 | 217 | 241 | 250 | 231 | 189 |
| Bristol | 552 | 550 | 580 | 680 | 637 | 618 | 545 | 690 |
| Bunker Hill | 726 | 802 | 871 | 895 | 898 | 1,002 | 883 | 1,037 |
| Cape Cod | 365 | 279 | 330 | 296 | 336 | 304 | 289 | 351 |
| Greenfield | 169 | 169 | 181 | 215 | 167 | 224 | 190 | 176 |
| Holyoke | 394 | 388 | 406 | 473 | 477 | 465 | 509 | 500 |
| Mass Bay | 475 | 470 | 441 | 507 | 518 | 556 | 490 | 498 |
| Massasoit | 513 | 464 | 446 | 582 | 561 | 528 | 520 | 490 |
| Middlesex | 594 | 695 | 681 | 734 | 763 | 786 | 750 | 892 |
| Mt. Wachusett | 467 | 516 | 465 | 461 | 471 | 506 | 485 | 429 |
| North Shore | 595 | 611 | 613 | 598 | 665 | 610 | 641 | 575 |
| Northern Essex | 704 | 654 | 617 | 620 | 595 | 598 | 527 | 605 |
| Quinsigamond | 623 | 642 | 763 | 781 | 931 | 899 | 841 | 937 |
| Roxbury | 187 | 183 | 214 | 236 | 242 | 223 | 196 | 184 |
| Springfield Technical | 693 | 722 | 632 | 678 | 689 | 683 | 655 | 636 |
| Total (all sites) | 7,240 | 7,376 | 7,461 | 7,973 | 8,191 | 8,252 | 7,752 | 8,189 |

^{*}Includes all STEM degrees and certificates awarded at any institution after students' intial enrollment at the given community college (for students' first HEIRS record only). Degrees and certificates are not limited to one per student.

| Table 16A: Annua | l Number of | Degrees and | | Both STEM ar | nd Non-STEM |) Earned by A | All Communit | y College |
|-----------------------|-------------|-------------|---------|--------------|-------------|---------------|--------------|-----------|
| Institution | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Berkshire | 488 | 525 | 528 | 538 | 573 | 578 | 584 | 488 |
| Bristol | 2,041 | 2,266 | 2,274 | 2,476 | 2,464 | 2,344 | 2,303 | 2,401 |
| Bunker Hill | 1,891 | 2,053 | 2,314 | 2,543 | 2,475 | 2,668 | 2,586 | 2,829 |
| Cape Cod | 858 | 796 | 967 | 861 | 969 | 951 | 850 | 956 |
| Greenfield | 493 | 558 | 534 | 616 | 496 | 590 | 518 | 522 |
| Holyoke | 1,461 | 1,476 | 1,588 | 1,616 | 1,666 | 1,634 | 1,577 | 1,568 |
| Mass Bay | 947 | 987 | 1,027 | 1,233 | 1,224 | 1,248 | 1,175 | 1,185 |
| Massasoit | 1,462 | 1,422 | 1,431 | 1,682 | 1,638 | 1,649 | 1,596 | 1,617 |
| Middlesex | 1,780 | 2,051 | 2,144 | 2,123 | 2,194 | 2,252 | 2,211 | 2,377 |
| Mt. Wachusett | 953 | 1,043 | 1,008 | 1,013 | 1,071 | 1,186 | 1,160 | 1,063 |
| North Shore | 1,537 | 1,561 | 1,732 | 1,650 | 1,767 | 1,667 | 1,706 | 1,603 |
| Northern Essex | 1,436 | 1,494 | 1,446 | 1,500 | 1,455 | 1,487 | 1,422 | 1,419 |
| Quinsigamond | 1,586 | 1,658 | 1,948 | 2,004 | 2,307 | 2,285 | 2,195 | 2,256 |
| Roxbury | 384 | 409 | 413 | 487 | 458 | 466 | 406 | 400 |
| Springfield Technical | 1,285 | 1,361 | 1,353 | 1,431 | 1,457 | 1,500 | 1,450 | 1,466 |
| Total (all sites) | 18,602 | 19,660 | 20,707 | 21,773 | 22,214 | 22,505 | 21,739 | 22,150 |

^{*}Includes all degrees and certificates awarded at any institution after students' initial enrollment at the given community college (for students' first HEIRS record only). Degrees and certificates are not limited to one per student.

| Table 16B: Annual | Percentages | of Degrees a | nd Certificate | es Earned by | All Communit | ty College Stu | dents in STEI | M Fields* |
|-----------------------|-------------|--------------|----------------|--------------|--------------|----------------|---------------|-----------|
| Institution | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Berkshire | 38% | 44% | 42% | 40% | 42% | 43% | 40% | 39% |
| Bristol | 27% | 24% | 26% | 27% | 26% | 26% | 24% | 29% |
| Bunker Hill | 38% | 39% | 38% | 35% | 36% | 38% | 34% | 37% |
| Cape Cod | 43% | 35% | 34% | 34% | 35% | 32% | 34% | 37% |
| Greenfield | 34% | 30% | 34% | 35% | 34% | 38% | 37% | 34% |
| Holyoke | 27% | 26% | 26% | 29% | 29% | 28% | 32% | 32% |
| Mass Bay | 50% | 48% | 43% | 41% | 42% | 45% | 42% | 42% |
| Massasoit | 35% | 33% | 31% | 35% | 34% | 32% | 33% | 30% |
| Middlesex | 33% | 34% | 32% | 35% | 35% | 35% | 34% | 38% |
| Mt. Wachusett | 49% | 49% | 46% | 46% | 44% | 43% | 42% | 40% |
| North Shore | 39% | 39% | 35% | 36% | 38% | 37% | 38% | 36% |
| Northern Essex | 49% | 44% | 43% | 41% | 41% | 40% | 37% | 43% |
| Quinsigamond | 39% | 39% | 39% | 39% | 40% | 39% | 38% | 42% |
| Roxbury | 49% | 45% | 52% | 48% | 53% | 48% | 48% | 46% |
| Springfield Technical | 54% | 53% | 47% | 47% | 47% | 46% | 45% | 43% |
| All sites | 39% | 38% | 36% | 37% | 37% | 37% | 36% | 37% |

^{*}Includes all STEM degrees and certificates awarded at any institution after students' intial enrollment at the given community college (for students' first HEIRS record only). Degrees and certificates are not limited to one per student.

| | | | Та | ble 17: Students A | Achieving Pos | | | | | | | |
|-------------------|------------|----------|-----------------|--------------------|----------------|------|-----------------|----------------|------------|--------|-----------------|----------------|
| | | 1 year a | fter entry | 33711 | ar crorpants v | • | ars after enti | | | 3 year | s after entry | / |
| (Sub)group | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence |
| | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval |
| All students | 1.68*** | 65% | 56% | [1.50, 1.88] | 1.73*** | 55% | 44% | [1.57, 1.91] | 1.76*** | 52% | 40% | [1.53, 2.02] |
| STEM at entry | 1.82*** | 67% | 55% | [1.63, 2.03] | 1.95*** | 58% | 44% | [1.80, 2.13] | 1.94*** | 53% | 39% | [1.63, 2.31] |
| Not STEM at entry | 1.52*** | 63% | 53% | [1.20, 1.91] | 1.46*** | 52% | 44% | [1.23, 1.74] | 1.72*** | 50% | 40% | [1.50, 1.96] |
| SSA Aid | 1.70*** | 69% | 56% | [1.47, 1.97] | 1.85*** | 60% | 44% | [1.54, 2.23] | 1.85*** | 55% | 40% | [1.49, 2.29] |
| SSA Extra Support | 1.68*** | 69% | 56% | [1.50, 1.88] | 1.83*** | 58% | 44% | [1.50, 2.23] | 1.96*** | 55% | 40% | [1.62, 2.36] |
| SSA Counseling | 1.67*** | 69% | 56% | [1.48, 1.90] | 2.09*** | 61% | 45% | [1.90, 2.30] | 2.14*** | 58% | 40% | [1.90, 2.41] |
| SSA Case Managed | 1.93** | 72% | 55% | [1.23, 3.03] | | Insu | fficient Samp | le | | Data I | Not Available | 9 |
| Black | 1.95*** | 62% | 53% | [1.52, 2.49] | 2.08*** | 54% | 42% | [1.84, 2.36] | 1.97*** | 48% | 36% | [1.55, 2.50] |
| Asian | 1.34* | 70% | 60% | [1.05, 1.72] | 1.18 | 59% | 50% | [0.67, 2.07] | 1.22 | 57% | 46% | [0.74, 2.02] |
| Latinx | 1.64*** | 60% | 49% | [1.42, 1.90] | 1.79*** | 49% | 37% | [1.52, 2.12] | 2.04*** | 48% | 33% | [1.63, 2.55] |
| White | 1.54*** | 68% | 60% | [1.29, 1.84] | 1.56*** | 59% | 48% | [1.32, 1.84] | 1.54*** | 55% | 45% | [1.25, 1.88] |
| Men | 1.77*** | 64% | 53% | [1.59, 1.96] | 1.93*** | 55% | 41% | [1.68, 2.21] | 1.88*** | 51% | 37% | [1.60, 2.20] |
| Women | 1.57*** | 66% | 59% | [1.34, 1.85] | 1.51*** | 55% | 47% | [1.35, 1.68] | 1.63*** | 53% | 43% | [1.37, 1.93] |

^{*}First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer or fall. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).

| | | | Та | ble 17: Students / | Achieving Pos | sitive Outco | mes 1 to 6 Y | ears After Entry | | | | |
|-------------------|------------|------------|-----------------|--------------------|---------------|--------------|-----------------|------------------|------------|---------|-----------------|----------------|
| | | | | SSA P | articipants v | s. Non-SSA, | by Subgroup |)† | | | | |
| | | 4 years a | fter entry | | | 5 yea | ars after enti | ry | | 6 year | s after entry | 1 |
| (Sub)group | Odds ratio | , | ghted % eved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | ` | ghted % eved | 95% confidence |
| | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval |
| All students | 1.82*** | 53% | 40% | [1.38, 2.39] | 1.89*** | 56% | 41% | [1.37, 2.59] | 1.91** 58% | | 42% | [1.23, 2.96] |
| STEM at entry | 1.92*** | 54% | 39% | [1.38, 2.68] | 1.93** | 55% | 40% | [1.29, 2.87] | 1.94* | 58% | 41% | [1.02, 3.67] |
| Not STEM at entry | 1.75*** | 53% | 39% | [1.34, 2.29] | 1.92*** | 57% | 40% | [1.41, 2.62] | 2.02*** | 61% | 43% | [1.55, 2.64] |
| SSA Aid | 2.08*** | 58% | 40% | [1.50, 2.88] | 2.43*** | 63% | 41% | [1.67, 3.54] | 2.53*** | 64% | 36% | [1.72, 3.74] |
| SSA Extra Support | 1.97** | 56% | 40% | [1.34, 2.90] | | Did | Not Converg | e | 2.02** | 60% | 43% | [1.21, 3.37] |
| SSA Counseling | 2.33*** | 60% | 40% | [1.84, 2.95] | 2.59*** | 64% | 41% | [1.95, 3.43] | 2.47*** | 63% | 43% | [1.72, 3.54] |
| SSA Case Managed | | Data No | t Available | | | Data | Not Availab | le | | Data l | Not Available | 2 |
| Black | 2.48*** | 56% | 33% | [1.58, 3.88] | 2.20* | 54% | 34% | [1.10, 4.37] | | Insuffi | cient Sampl | e |
| Asian | | Insufficie | ent Sample | | | Insu | ficient Samp | le | | Insuffi | cient Sampl | e |
| Latinx | 1.86*** | 45% | 32% | [1.41, 2.45] | 2.01*** | 48% | 30% | [1.53, 2.65] | | Insuffi | cient Sampl | e |
| White | 1.57* | 55% 44% | | [1.09, 2.25] | 1.65* | 58% | 45% | [1.12, 2.43] | 1.82 | 62% | 38% | [0.89, 3.72] |
| Men | 1.91*** | 50% | 36% | [1.35, 2.71] | 2.08*** | 54% | 36% | [1.40, 3.09] | 2.09* | 57% | 38% | [1.14, 3.80] |
| Women | 1.72*** | 57% | [1.36, 2.18] | 1.72** | 59% | 44% | [1.26, 2.35] | 1.77* | 63% | 37% | [1.02, 3.07] | |

[†]First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer or fall. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .01).

| | | | Table 1 | .7A: Students A SSA Par | chieving Posit ticipants vs. N | | | ars After Entry | | | | |
|-----------------------|---------|-------|------------------|----------------------------|-----------------------------------|---------|-----------------|-------------------|------------|---------|------------------|-------------------|
| | | 1 yea | r after entry | | | 2 years | after entry | | | 3 years | after entry | |
| Institution | Odds | | ghted % ieved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % ieved | 95% confidence |
| | ratio | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval |
| All institutions | 1.68*** | 65% | 56% | [1.50, 1.88] | 1.73*** | 55% | 44% | [1.57, 1.91] | 1.76*** | 52% | 40% | [1.53, 2.02] |
| Berkshire | 1.44* | 64% | 53% | [1.06, 1.94] | 1.46* | 52% | 43% | [1.07, 1.99] | 1.24 | 45% | 40% | [0.88, 1.74] |
| Bristol | 1.94** | 69% | 58% | [1.25, 2.99] | 2.02** | 60% | 46% | [1.32, 3.10] | 2.17** | 56% | 41% | [1.37, 3.42] |
| Bunker Hill | 3.19** | 81% | 59% | [1.63, 6.22] | 1.89 | 67% | 48% | [0.94, 3.81] | 3.49** | 74% | 43% | [1.60, 7.61] |
| Cape Cod | 2.35*** | 70% | 49% | [1.82, 3.04] | 2.34*** | 59% | 37% | [1.82, 3.01] | 2.18*** | 54% | 33% | [1.65, 2.86] |
| Greenfield | 3.06*** | 80% | 53% | [2.04, 4.60] | 1.39 | 53% | 41% | [0.97, 1.98] | 1.54* | 50% | 36% | [1.02, 2.33] |
| Holyoke | 1.70* | 66% | 54% | [1.11, 2.59] | 2.34*** | 62% | 42% | [1.46, 3.77] | 2.14** | 54% | 39% | [1.25, 3.65] |
| Massasoit | 1.76* | 74% | 60% | [1.04, 2.97] | 2.74*** | 72% | 47% | [1.58, 4.75] | 2.79*** | 67% | 41% | [1.60, 4.85] |
| Mass Bay | 1.43*** | 64% | 56% | [1.19, 1.71] | 1.67*** | 57% | 45% | [1.38, 2.02] | 1.38** | 52% | 43% | [1.13, 1.70] |
| Middlesex | 1.79** | 73% | 58% | [1.23, 2.60] | 1.78** | 61% | 45% | [1.23, 2.59] | 1.85** | 57% | 41% | [1.18, 2.90] |
| Mt. Wachusett | 1.20 | 62% | 54% | [0.83, 1.73] | 1.49 | 56% | 43% | [0.99, 2.24] | 1.60 | 54% | 41% | [0.95, 2.70] |
| North Shore | 1.87*** | 68% | 55% | [1.44, 2.44] | 1.75** | 54% | 43% | [1.27, 2.39] | 2.81*** | 62% | 38% | [1.96, 4.04] |
| Northern Essex | 1.77*** | 63% | 51% | [1.38, 2.26] | 2.07*** | 54% | 38% | [1.61, 2.66] | 1.98*** | 47% | 34% | [1.51, 2.61] |
| Quinsigamond | 1.51*** | 66% | 56% | [1.25, 1.83] | 1.49*** | 56% | 46% | [1.23, 1.80] | 1.75*** | 55% | 41% | [1.37, 2.25] |
| Roxbury | 1.70*** | 48% | 34% | [1.31, 2.19] | 1.70*** | 40% | 26% | [1.26, 2.29] | 1.65** | 37% | 25% | [1.15, 2.37] |
| Springfield Technical | 1.42* | 68% | 56% | [1.02, 1.96] | 1.54* | 58% | 42% | [1.10, 2.16] | 1.72* | 56% | 39% | [1.13, 2.61] |

†First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer or fall. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .01).

| | | | Table 1 | 7A: Students A SSA Par | chieving Posit ticipants vs. N | | | ars After Entry | | | | | |
|-----------------------|---------|--------|------------------|---------------------------|-----------------------------------|----------|-----------------|-------------------|-------------------------|----------|------------------|-------------------|--|
| | | 4 yea | rs after entry | , | | 5 years | after entry | | | 6 years | after entry | | |
| Institution | Odds | | ghted % ieved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % ieved | 95% confidence | |
| | ratio | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | |
| All institutions | 1.82*** | 53% | 40% | [1.38, 2.39] | 1.89*** | 56% | 0.405 | [1.37, 2.59] | 1.91** | 58% | 42% | [1.23, 2.96] | |
| Berkshire | 1.29 | 47% | 39% | [0.85, 1.96] | 2.31* | 55% | 40% | [1.12, 4.75] | | Insuffic | cient Sample | | |
| Bristol | 2.56*** | 58% | 41% | [1.56, 4.20] | 4.28*** | 71% | 41% | [2.27, 8.05] | Insufficient Sample | | | | |
| Bunker Hill | | Insuff | icient Sample | 2 | | Insuffic | cient Sample | | | Insuffic | cient Sample | | |
| Cape Cod | 2.83*** | 58% | 32% | [2.01, 4.01] | 3.49*** | 64% | 33% | [2.14, 5.69] | 3.56*** | 67% | 36% | [2.00, 6.35] | |
| Greenfield | 2.02* | 56% | 36% | [1.11, 3.68] | Insufficient Sample | | | | | Insuffic | cient Sample | | |
| Holyoke | 1.97* | 50% | 39% | [1.08, 3.61] | 1.54 | 50% | 40% | [0.72, 3.29] | | Insuffic | cient Sample | | |
| Massasoit | 2.49** | 62% | 40% | [1.42, 4.38] | 1.43 | 50% | 41% | [0.71, 2.90] | | Insuffic | cient Sample | | |
| Mass Bay | 1.13 | 47% | 43% | [0.90, 1.41] | 1.14 | 49% | 45% | [0.86, 1.50] | 0.98 | 50% | 48% | [0.64, 1.50] | |
| Middlesex | 2.69** | 65% | 40% | [1.45, 4.99] | 3.85*** | 72% | 40% | [1.83, 8.09] | | Insuffic | cient Sample | | |
| Mt. Wachusett | 2.42** | 64% | 41% | [1.26, 4.65] | 3.70* | 71% | 41% | [1.34, 10.19] | | Did No | ot Converge | | |
| North Shore | 3.22*** | 66% | 37% | [2.16, 4.81] | 3.14*** | 66% | 38% | [1.97, 5.02] | 2.57** | 60% | 40% | [1.42, 4.64] | |
| Northern Essex | 1.69** | 43% | 34% | [1.23, 2.32] | 1.64* | 43% | 36% | [1.12, 2.41] | 11] Insufficient Sample | | | | |
| Quinsigamond | 2.18*** | 59% | 42% | [1.53, 3.12] | 2.05*** | 58% | 42% | [1.40, 3.00] | 3.15** 67% 43% [1.57, 6 | | | [1.57, 6.29] | |
| Roxbury | 1.95* | 43% | 26% | [1.15, 3.31] | 2.44* | 49% | 27% | [1.16, 5.11] | Insufficient Sample | | | | |
| Springfield Technical | 2.12** | 62% | 38% | [1.25, 3.58] | 2.25* | 66% | 39% | [1.15, 4.43] | Insufficient Sample | | | | |

†First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer or fall. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .01).

| | | | | | | | Table 18: | | | | | 6 Years After Entry | | | | | | | | |
|-------------------|--------|-------|-----------------|----------------|---------------|----------------|-----------------|----------------|---|-------------|-------------------------------|---------------------|-----------------------------|-------|-----------------|----------------|--------------|------|------------------|----------------|
| | | 2 yea | ars after ent | ry | | 3 yea | ırs after entr | | ipants vs. | | oy Subgroup† ears after en | | | 5 yea | nrs after entr | у | | 6 ye | ears after ent | try |
| (Sub)group | Odds | • | shted % eved | 95% confidence | Odds ratio | Unweig achi | ghted % eved | 95% confidence | Odds | | ghted % ieved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds | | ghted % ieved | 95% confidence |
| | Tutio | SSA | Non-SSA | interval | rutio | SSA | Non-SSA | n-SSA | | SSA Non-SSA | | interval | 14110 | SSA | Non-SSA | meervar | ratio | SSA | Non-SSA | interval |
| All students | 1.32 | 5% | 2% | [0.98, 1.78] | 1.70* | 10% | 4% | [1.12, 2.59] | 1.93** | 16% | 5% | [1.24, 3.02] | 1.86** | 20% | 7% | [1.22, 2.83] | 1.73* | 19% | 8% | [1.06, 2.82] |
| STEM at entry | 1.34 | 8% | 7% | [0.98, 1.83] | 1.56* | 15% | 10% | [1.02, 2.38] | 2.38] 1.79** 22% 14% [1.19, 2.69] 1.79** 27% 17% [1.20, 2.67] | | | | | | [1.20, 2.67] | 1.66* | 27% | 19% | [1.10, 2.50] | |
| Not STEM at entry | 1.58 | 1% | 0% | [0.57, 4.36] | 4.58*** | 3% | 1% | [2.59, 8.10] | 4.20*** | 6% | 2% | [2.37, 7.45] | 5] 3.06*** 6% 3% [1.74, 5.3 | | | | 2.99 | 6% | 4% | [0.95, 9.46] |
| SSA Aid | 1.90** | 10% | 3% | [1.26, 2.86] | 2.25*** | 16% | 4% | [1.61, 3.15] | 2.42*** | 22% | 6% | [1.79, 3.28] | 1.97*** | 26% | 7% | [1.39, 2.80] | 1.74* | 25% | 9% | [1.07, 2.84] |
| SSA Extra Support | 1.22 | 6% | 2% | [0.80, 1.86] | 1.78* | 11% | 4% | [1.10, 2.88] | 2.11** | 17% | 5% | [1.22, 3.65] | | Did | not converge | | 1.68 | 19% | 9% | [0.84, 3.35] |
| SSA Counseling | 1.56** | 8% | 2% | [1.14, 2.14] | 1.94*** | 15% | 4% | [1.38, 2.74] | 2.42*** | 22% | 6% | [1.71, 3.43] | 2.20*** | 26% | 7% | [1.67, 2.91] | 2.09*** | 26% | 8% | [1.53, 2.84] |
| SSA Case Managed | | Insuf | ficient Samp | ole | | Data | not availabl | e | | Da | ta not availal | ole | | Data | not available | e | | Dat | ta not availab | le |
| Black | 2.57** | 3% | 1% | [1.44, 4.58] | 2.17** | 9% | 3% | [1.21, 3.90] | 2.65* | 15% | 4% | [1.15, 6.09] | 3.04* | 19% | 4% | [1.03, 8.97] | | Insu | ıfficient Samı | ple |
| Asian | 1.55 | 8% | 3% | [0.48, 4.99] | 1.29 | 11% | 5% | [0.73, 2.29] | | Inst | ufficient Sam | ple | | Insuf | ficient Samp | le | | Insu | ıfficient Samı | ole |
| Latinx | 1.18 | 4% | 2% | [0.67, 2.06] | 2.04* | 9% | 3% | [1.09, 3.79] | | | | | 2.42** | 17% | 5% | [1.29, 4.51] | | Insu | ıfficient Samı | ple |
| White | 1.19 | 7% | 3% | [0.74, 1.90] | 1.24 | 10% | 4% | [0.80, 1.92] | 1.45 | 16% | 6% | [0.89, 2.36] | 1.41 | 20% | 8% | [0.97, 2.06] | 1.37 | 19% | 9% | [0.82, 2.27] |
| Men | 1.41 | 7% | 3% | [0.81, 2.46] | 1.69 | 12% | 4% | [0.92, 3.12] | 1.98* | 17% | 5% | [1.08, 3.66] | 1.84* | 21% | 7% | [1.02, 3.31] | 1.97* 22% 8% | | | [1.04, 3.72] |
| Women | 1.21 | 4% | 2% | [0.78, 1.88] | 1.68*** | 8% | 3% | [1.35, 2.09] | 1.91*** | 14% | 5% | [1.47, 2.47] | 1.97*** | 18% | 7% | [1.51, 2.58] | 1.30 | 15% | 8% | [0.73, 2.32] |

[†]First-time students, registered at their institutions in a fall term, and enrolled full time. SSA participants include those who first participated in SSA in summer or fall.

Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).

| | | | | | | | Table 18A: | Students Earning | STEM Deg | rees or Cer | tificates 2 to | 6 Years After Entry | , | | | | | | | | |
|-----------------------|--------|-------|---------------|----------------|---------|--------|---------------|------------------|-----------|-------------|----------------|---------------------|---------|-------|----------------|----------------|---------------------|---------------------|---------------|----------------|--|
| | | | | | | | | SSA Partic | pants vs. | Non-SSA, b | y Institution | t i | | | | | | | | | |
| | | 2 yea | ars after ent | ry | | 3 yea | rs after enti | 'y | | 4 y | ears after en | try | | 5 yea | ars after enti | У | | 6 ye | ars after ent | .ry | |
| Institution | Odds | Unwei | ghted % | 95% confidence | Odds | Unweig | hted % | 95% confidence | Odds | Unwei | ghted % | 95% confidence | Odds | Unwei | ghted % | 95% confidence | Odds | Unwei | ghted % | 95% confidence | |
| | ratio | SSA | Non-SSA | interval | ratio | SSA | Non-SSA | interval | ratio | SSA | Non-SSA | interval | ratio | SSA | Non-SSA | interval | ratio | SSA | Non-SSA | interval | |
| All institutions | 1.32 | 5% | 2% | [0.98, 1.78] | 1.70* | 10% | 4% | [1.12, 2.59] | 1.93** | 16% | 5% | [1.24, 3.02] | 1.86** | 20% | 7% | [1.22, 2.83] | 1.73* | 19% | 8% | [1.06, 2.82] | |
| Berkshire | 2.21 | 4% | 2% | [0.81, 6.00] | 2.56** | 10% | 4% | [1.40, 4.69] | 3.29*** | 20% | 7% | [1.86, 5.83] | 2.44 | 28% | 9% | [0.97, 6.10] | | Insu | fficient Sam | ole | |
| Bristol | 1.45 | 3% | 1% | [0.34, 6.09] | 3.00** | 14% | 3% | [1.51, 5.94] | 4.08*** | 20% | 4% | [2.00, 8.34] | 4.45*** | 29% | 6% | [2.19, 9.04] | | Insufficient Sample | | | |
| Bunker Hill | | Insut | fficient Samp | ole | 3.72** | 23% | 4% | [1.43, 9.68] | | Insi | ufficient Sam | ple | | Insuf | ficient Samp | le | | Insu | fficient Sam | ole | |
| Cape Cod | 5.05** | 5% | 1% | [1.86, 13.76] | 3.86*** | 7% | 1% | [1.90, 7.85] | 2.69* | 7% | 2% | [1.19, 6.08] | 3.06** | 15% | 4% | [1.39, 6.72] | 2.95* | 95* 18% 4% [1.20 | | | |
| Greenfield | 2.22 | 7% | 4% | [0.76, 6.50] | 2.20 | 8% | 6% | [0.96, 5.02] | 1.30 | 10% | 8% | [0.46, 3.66] | | Insuf | ficient Samp | le | | Insu | fficient Sam | ole | |
| Holyoke | 4.98** | 10% | 2% | [1.75, 14.19] | 4.87** | 14% | 4% | [1.96, 12.06] | 4.86** | 18% | 5% | [1.83, 12.91] | 1.52 | 12% | 7% | [0.40, 5.72] | | Insu | fficient Sam | ole | |
| Massasoit | 2.03 | 2% | 1% | [0.18, 23.35] | 0.52 | 2% | 2% | [0.08, 3.18] | 2.72* | 11% | 3% | [1.13, 6.59] | 1.28 | 10% | 5% | [0.37, 4.39] | | Insu | fficient Sam | ole | |
| Mass Bay | 0.78 | 6% | 4% | [0.47, 1.31] | 0.70 | 8% | 7% | [0.47, 1.02] | 0.83 | 10% | 8% | [0.56, 1.22] | 0.90 | 12% | 9% | [0.57, 1.40] | 0.76 | 11% | 9% | [0.38, 1.50] | |
| Middlesex | 2.01 | 5% | 1% | [0.74, 5.47] | 4.69*** | 14% | 2% | [2.27, 9.69] | 3.98** | 19% | 3% | [1.72, 9.18] | 4.91*** | 28% | 5% | [2.03, 11.87] | | | fficient Sam | | |
| Mt. Wachusett | 1.33 | 10% | 3% | [0.64, 2.75] | 2.57** | 27% | 5% | [1.34, 4.91] | 2.49* | 33% | 7% | [1.22, 5.11] | 3.36* | 48% | 9% | [1.31, 8.63] | | Did | Not Converg | je | |
| North Shore | 1.75 | 8% | 2% | [0.81, 3.79] | 2.62*** | 16% | 4% | [1.54, 4.47] | 4.02*** | 26% | 5% | [2.44, 6.60] | 3.97*** | 28% | 6% | [2.21, 7.13] | 2.73** | 26% | 7% | [1.28, 5.81] | |
| Northern Essex | 2.10 | 5% | 1% | [0.96, 4.63] | 1.76* | 8% | 3% | [1.06, 2.93] | 1.87** | 15% | 5% | [1.18, 2.96] | 1.64 | 18% | 7% | [1.00, 2.70] | | Insufficient Sample | | ole | |
| Quinsigamond | 1.01 | 5% | 3% | [0.56, 1.82] | 2.03** | 13% | 4% | [1.34, 3.06] | 3.25*** | 22% | 6% | [1.99, 5.32] | 2.90*** | 23% | 8% | . , , | | | [1.99, 9.75] | | |
| Roxbury | 1.33 | 1% | 1% | [0.27, 6.56] | 1.69 | 6% | 3% | [0.73, 3.95] | 2.16 | 10% | 3% | [0.77, 6.03] | 5.07** | 21% | 3% | [1.52, 16.87] | Insufficient Sample | | | ole | |
| Springfield Technical | 1.23 | 10% | 6% | [0.66, 2.28] | 1.57 | 21% | 8% | [0.92, 2.70] | 1.82* | 31% | 12% | [1.02, 3.25] | 1.45 | 34% | 14% | [0.71, 2.96] | Insufficient Sample | | | | |

^{*}First-time students, registered at their institutions in a fall term, and enrolled full time. SSA participants include those who first participated in SSA in summer or fall. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).

| | | | 1 | Table 19: Students A Summer SS | Achieving Posi SA Participant | | | | | | | | |
|-----------------------|----------------------------|-------------|-----------------|-----------------------------------|----------------------------------|---------------------|-----------------|----------------|---------------------|------|------------------|----------------|--|
| | | 1 ye | ar after entr | у | | 2 ye | ars after enti | ry | | 3 ye | ars after ent | ry | |
| Institution | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % ieved | 95% confidence | |
| | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | | SSA | Non-SSA | interval | |
| All institutions | 1.63*** | 67% | 56% | [1.47, 1.80] | 1.67*** | 56% | 44% | [1.43, 1.95] | 1.62*** | 51% | 40% | [1.44, 1.83] | |
| Berkshire | 1.46* | 65% | 53% | [1.06, 2.01] | 1.44* | 52% | 43% | [1.04, 1.99] | 1.32 | 46% | 40% | [0.92, 1.89] | |
| Bristol | 2.28** | 71% | 58% | [1.25, 4.17] | 1.67 | 53% | 46% | [0.95, 2.93] | 2.26** | 55% | 41% | [1.26, 4.02] | |
| Bunker Hill | | Insu | fficient Samp | le | | Insu | ficient Samp | le | | le | | | |
| Cape Cod | 2.41** | 71% | 49% | [1.35, 4.32] | 5.90*** | 75% | 37% | [2.87, 12.10] | 3.43** | 58% | 33% | [1.68, 6.98] | |
| Greenfield | 2.18 | 77% | 53% | [0.97, 4.89] | | Insufficient Sample | | | | Insu | fficient Samp | le | |
| Holyoke | 1.84* | 66% | 54% | [1.03, 3.31] | 2.96*** | 64% | 42% | [1.62, 5.39] | 1.85 | 49% | 39% | [0.99, 3.48] | |
| Massasoit | | Insu | fficient Samp | le | | Insu | ficient Samp | le | | Insu | fficient Samp | le | |
| Mass Bay | 1.47 | 65% | 56% | [0.99, 2.17] | 1.69* | 56% | 45% | [1.13, 2.54] | 1.28 | 49% | 43% | [0.81, 2.02] | |
| Middlesex | 2.20* | 75% | 58% | [1.04, 4.66] | | Insu | ficient Samp | le | | Insu | fficient Samp | le | |
| Mt. Wachusett | 1.33 | 64% | 54% | [0.84, 2.09] | 1.67* | 58% | 43% | [1.01, 2.75] | 2.08* | 59% | 41% | [1.17, 3.69] | |
| North Shore | 1.66* | 64% | 55% | [1.03, 2.69] | 0.97 | 37% | 43% | [0.49, 1.90] | 1.30 | 40% | 38% | [0.61, 2.76] | |
| Northern Essex | 1.54* | 60% | 51% | [1.09, 2.17] | 2.02*** | 54% | 38% | [1.42, 2.88] | 1.59* | 43% | 34% | [1.10, 2.30] | |
| Quinsigamond | 2.00*** | 72% | 56% | [1.38, 2.90] | 1.17 | 50% | 46% | [0.81, 1.70] | 1.38 | 50% | 41% | [0.91, 2.08] | |
| Roxbury | | Insu | fficient Samp | le | Insufficient Sample | | | | Insufficient Sample | | | | |
| Springfield Technical | 1.49* 69% 56% [1.04, 2.14] | | | | 1.69** | 61% | 42% | [1.16, 2.45] | 1.62* | 55% | 39% | [1.06, 2.50] | |

[†]First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).

| | | | 1 | Fable 19: Students A Summer SS | chieving Posi A Participant | | | | | | | | | |
|-----------------------|---------------------------|------|------------------|-----------------------------------|--------------------------------|---------------------|-----------------|---------------------|---------------------|------|------------------|----------------|--|--|
| | | 4 ye | ars after enti | у | | 5 ye | ars after ent | ry | | 6 ye | ars after enti | ry | | |
| Institution | Odds ratio | | ghted % ieved | 95% confidence | Odds ratio | | ghted % eved | 95% confidence | Odds ratio | | ghted % ieved | 95% confidence | | |
| | | SSA | Non-SSA | interval | | SSA Non-SSA | | interval | | SSA | Non-SSA | interval | | |
| All institutions | 1.84*** | 53% | 40% | [1.44, 2.36] | 1.83*** | 52% | 40% | [1.33, 2.53] | 2.33*** | 62% | 39% | [1.86, 2.92] | | |
| Berkshire | 1.41 | 48% | 39% | [0.90, 2.20] | 2.12* | 53% | 40% | [1.02, 4.41] | Insufficient Sample | | | | | |
| Bristol | 2.43** | 54% | 41% | [1.28, 4.60] | | Insu | fficient Samp | ole | Insufficient Sample | | | | | |
| Bunker Hill | | Insu | fficient Samp | le | | Insu | fficient Samp | ole | | Insu | fficient Samp | le | | |
| Cape Cod | 5.74*** | 66% | 32% | [2.51, 13.14] | | Insu | fficient Samp | ole | | Insu | fficient Samp | le | | |
| Greenfield | | Insu | fficient Samp | le | | Insu | fficient Samp | ole | | Insu | fficient Samp | le | | |
| Holyoke | 2.54** | 56% | 39% | [1.31, 4.93] | Insufficient Sample | | | | le | | | | | |
| Massasoit | | Insu | fficient Samp | le | | Insu | fficient Samp | ole | Insufficient Sample | | | | | |
| Mass Bay | 0.84 | 41% | 43% | [0.49, 1.45] | 0.95 | 44% | 45% | [0.46, 1.95] | | Insu | fficient Samp | le | | |
| Middlesex | | Insu | fficient Samp | le | | Insu | fficient Samp | ile | | Insu | fficient Samp | le | | |
| Mt. Wachusett | 3.18** | 70% | 41% | [1.50, 6.73] | | Insu | fficient Samp | ole | | Insu | fficient Samp | le | | |
| North Shore | | Insu | fficient Samp | le | | fficient Samp | le | Insufficient Sample | | | | | | |
| Northern Essex | 1.41 39% 34% [0.96, 2.06] | | | | 1.30 | 37% | 36% | [0.84, 2.02] | Insufficient Sample | | | | | |
| Quinsigamond | | le | | fficient Samp | le | Insufficient Sample | | | | | | | | |
| Roxbury | | Insu | fficient Samp | le | Insufficient Sample | | | | Insufficient Sample | | | | | |
| Springfield Technical | 2.17** | 63% | 38% | [1.26, 3.72] | 2.37* | 68% | 39% | [1.16, 4.84] | Insufficient Sample | | | | | |

[†]First-time students, registered at their institutions in a fall term, and enrolled either full or part time. SSA participants include those who first participated in SSA in summer. Positive outcome includes retained, completed, transferred to 4-year, or joined the STEM workforce. Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).

| | | | | | | 1 | Гable 20: St | udents Earning Summer SSA | _ | | | | Entry | | | | | | | | |
|-----------------------|---------------------|---------|-----------------------------|-------------------------------|---------------------|-----------------------|--------------|-------------------------------|------------|----------|---------------------------|-------------------------------|---------------------|---------|-----------------------------|-------------------------------|---------------------|---------------------|-----------------------------|-------------------------------|--|
| | | 2 year | s after entry | 1 | | 3 years | after entry | , | | 4 years | after entry | , | | 5 year | s after entr | у | | 6 year | s after entry | 1 | |
| Institution | Odds ratio | | ghted % ieved Non-SSA | 95% confidence interval | Odds ratio | Unweig achi SSA | | 95% confidence interval | Odds ratio | • | hted % eved Non-SSA | 95% confidence interval | Odds ratio | | ghted % ieved Non-SSA | 95% confidence interval | Odds ratio | | ghted % ieved Non-SSA | 95% confidence interval | |
| All institutions | 1.36 | 7% | 2% | | 1.78** | 12% | 4% | [1.25, 2.54] | 2 09*** | 18% | 5% | [1.47, 2.97] | 1 59** | 21% | 7% | | 1.90** | 27% | 9% | [1.32, 2.74] | |
| Berkshire | 1.50 | Did N | ot Converge | ,, | 2.49** | 10% | 4% | [1.32, 4.70] | | 21% | 7% | | 2.28 | 27% | 9% | [0.89, 5.83] | 1.50 | Insufficient Sample | | | |
| Bristol | | | cient Sample | | 3.98** | 17% | 3% | [1.73, 9.14] | | 22% | 4% | [1.69, 11.10] | 2.20 | | cient Sampl | | Insufficient Sample | | | | |
| Bunker Hill | Insufficient Sample | | | | | | ient Sample | . , , | | | ient Sample | . , , | | | cient Sampl | | Insufficient Sample | | | | |
| Cape Cod | Model Failure | | | | 6.88** | 13% | 1% | [1.85, 25.63] | 4.75 | 9% | 2% | [0.96, 23.44] | Insufficient Sample | | | | Insufficient Sample | | | 9 | |
| Greenfield | Insufficient Sample | | | e | Insufficient Sample | | | | | Insuffic | ient Sample | | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | 2 | |
| Holyoke | 1.40 | 3% | 2% | [0.20, 9.66] | 5.13** | 15% | 4% | [1.81, 14.54] | 6.32** | 19% | 5% | [2.06, 19.33] | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | è | |
| Massasoit | | Insuffi | cient Sampl | е | | Insuffic | ient Sample | 9 | | Insuffic | ient Sample | 2 | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | 2 | |
| Mass Bay | 0.69 | 7% | 4% | [0.27, 1.78] | 0.56 | 10% | 7% | [0.27, 1.18] | 0.76 | 14% | 8% | [0.35, 1.63] | 1.08 | 19% | 9% | [0.42, 2.76] | | Insuffi | cient Sample | 2 | |
| Middlesex | | Insuffi | cient Sampl | е | | Insuffic | ient Sample | 9 | | Insuffic | ient Sample | 2 | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | 2 | |
| Mt. Wachusett | 1.52 | 12% | 3% | [0.64, 3.59] | | Mod | el Failure | | 0 | 36% | 7% | 0 | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | à | |
| North Shore | | Insuffi | cient Sampl | е | 1.27 | 7% | 4% | [0.32, 5.10] | | Insuffic | ient Sample | 2 | | Insuffi | cient Sampl | e | | Insuffi | cient Sample | è | |
| Northern Essex | 1.43 | 3% | 1% | [0.40, 5.11] | 1.23 | 6% | 3% | [0.57, 2.66] | 1.16 | 10% | 5% | [0.63, 2.14] | 1.19 | 14% | 7% | [0.65, 2.16] | | Insuffi | cient Sample | 2 | |
| Quinsigamond | 0.50 | 3% | 3% | [0.15, 1.66] | 1.26 | 7% | 4% | [0.56, 2.82] | | Insuffic | ient Sample | 2 | | Insuffi | cient Sampl | e | Insufficient Sample | | | 3 | |
| Roxbury | | Insuffi | cient Sampl | e | | Insuffic | ient Sample | 2 | | Insuffic | ient Sample | | | Insuffi | cient Sampl | e | Insufficient Sample | | | | |
| Springfield Technical | 1.36 | 12% | 6% | [0.73, 2.55] | 1.34 | 19% | 8% | [0.76, 2.37] | 1.66 | 30% | 12% | [0.91, 3.02] | 1.27 | 32% | 14% | [0.60, 2.71] | | e | | | |

[†]First-time students, registered at their institutions in a fall term, and enrolled full time. SSA participants include those who first participated in SSA in summer.

Statistically significant results from quasi-experimental modeling are indicated with asterisks (*p < .05, **p < .01, ***p < .001).