## AB705 Research: Trend of Access and One-Year Throughput Rates in Transfer Level English and Math

## Purpose:

This report provides the trend in access and throughput to transfer level English and math of fall cohorts from 2015 to 2019. Data are also provided by gender and ethnicity to show from an equity perspective. Key data points include

- Access to transfer level English/Math
- Throughput within one year (two regular terms) from starting the first English/Math course
- Access and throughput data by gender and by ethnicity
- Fall 2019 Cohort only: throughput rate by HS GPA and Student profiles of 1YR Throughput Completers and Noncompleters.


## Fall cohorts selected for tracking:

English cohorts are credit students who enrolled in the target fall term and attempted their first English course within the same term or the summer prior the target fall term. Each fall cohort was tracked through the spring term in the same academic year for one-year throughput completion.

Similarly Math cohorts are credit students who enrolled in the target fall term and attempted their first math course within the same term or the summer prior the target fall term. Each fall cohort was tracked through the spring term in the same academic year for one-year throughput completion.

Please note that although the first course enrolled by cohorts are highly likely to relate to placement by assessment, it's not exclusively so due to the possibility of self-select of eligible courses.

## Definitions:

Access Rate - the proportion of a cohort of students who start their first credit English or math course at transfer level

Throughput Rate (based on AB705 guidelines) - the proportion of a cohort of students who complete a transfer level math or English course within a one year timeframe (two regular semesters) from when they start the subject course.

## ENGLISH COHORTS: ACCESS TO TRANSFER LEVEL COURSE

Highlights of findings:

- Access rate in transfer level English increased drastically for fall cohorts from 16.5\% to 98.3\% over five-year period with the big jump starting with Fall 2018 cohort
- Six times more students started at transfer level English with Fall 2019 cohort than with Fall 2015 cohort
- Gender gap in access rates diminished by fall 2019
- Ethnicity gap in access rates improved drastically by fall 2019.


Five-Year Trend of Starting 1st ENGL Course at Transfer Level


| Five-Year Trend of Starting 1st ENGL Course at Transfer Level by Ethnicity |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| 80.0\% |  |  |  |  |  |  |
| $\checkmark 60.0 \%$ |  |  |  |  |  |  |
| $\underset{\sim}{0}$ | ¢ |  |  |  |  |  |
| $\stackrel{q}{u}$ | 20.0\% |  |  |  |  |  |
| U | 0.0\% |  | Fall16 Cohort | Fall17 Cohort | Fall18 Cohort | Fall19 Cohort |
|  | - Asian | 20.7\% | 21.0\% | 27.9\% | 91.4\% | 98.5\% |
|  | -Black or African American | 12.8\% | 18.6\% | 17.4\% | 95.5\% | 96.3\% |
|  | - Hispanic, Latino | 14.2\% | 12.8\% | 17.7\% | 95.1\% | 98.4\% |
|  | -White | 24.4\% | 25.1\% | 37.7\% | 96.0\% | 98.1\% |
|  | -Two or More Races | 26.1\% | 28.9\% | 29.4\% | 97.6\% | 99.2\% |

## ENGLISH COHORTS- COMPLETION OF TRANSFER LEVEL COURSE WITHIN ONE YEAR AFTER STARTING (THROUGHPUT)

Highlights of findings:

- 1 YR throughput rate in completing transfer level English increased from 33.5\% to 68.7\% over 5YR
- Number of students completing transfer level English within one year more than doubled in fall 2019 than in 2015
- No equity gap identified with gender group
- Although the throughput rates improved overall, equity gap remained with African American and Latinx students.





## MATH COHORTS - ACCESS TO TRANSFER LEVEL COURSE

Highlights of findings:

- Access rate in transfer level math increased from $26.3 \%$ to $72.0 \%$ over 5 YR
- 2.5 times more students started at transfer level math in fall 2019 than in 2015
- No equity gap identified with gender group
- Ethnicity gap in access rates improved over 5YR.


Five-Year Trend of Starting 1st Math Course at Transfer Level by Gender


| Five-Year Trend |  | by Ethnicity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  | Fall15 Cohort | Fall16 Cohort | Fall17 Cohort | Fall18 Cohort | Fall19 Cohort |
|  | -Asian | 62.1\% | 62.8\% | 59.6\% | 68.6\% | 84.8\% |
|  | -Black or African American | 18.7\% | 20.7\% | 13.3\% | 40.0\% | 62.6\% |
|  | -Hispanic, Latino | 17.2\% | 17.6\% | 16.1\% | 36.8\% | 67.6\% |
|  | -White | 30.0\% | 29.4\% | 31.3\% | 52.3\% | 71.3\% |
|  | -Two or More Races | 19.8\% | 34.8\% | 32.1\% | 46.3\% | 82.3\% |

## MATH COHORTS: COMPLETION OF TRANSFER LEVEL COURSE WITHIN ONE YEAR AFTER STARTING (THROUGHPUT)

Highlights of findings:

- 1YR throughput rate in completing a transfer level math course increased from 22.5\% to 39.3\% from fall 2015 to fall 2019
- Number of students completing transfer level math within one year increased 59\% in fall 2019 from fall 2015
- No equity gap was identified with gender group
- Although the throughput rates improved overall, equity gap remained with African American and Latinx students.




FALL2019 ENGLISH COHORT ONE-YEAR THROUGHPUT BY HS GPA


FALL2019 MATH COHORT ONE-YEAR THROUGHPUT BY HS GPA


| Fall 2019 Cohort Student Profiles | English Cohort$(\mathrm{N}=4255)$ |  | Math Cohort ( $\mathrm{N}=3750$ ) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1YR <br> Throughput Completers ( $\mathrm{N}=2923$ ) | 1YR <br> Throughput Non-completers ( $\mathrm{N}=1332$ ) | 1YR <br> Throughput Completers ( $\mathrm{N}=1472$ ) | 1YR Throughput Non-completers ( $\mathrm{N}=2278$ ) |
| Gender | 53\% Female | 46\% Female | No difference | No difference |
| Ethnicity | 23\% Asian, 2\% Black, 63\% Latinx, 8\% White | 9\% Asian, 5\% Black, 77\% Latinx, 6\% White | 35\% Asian, 1\% Black, 50\% Latinx, 11\% White | 13\% Asian, 4\% Black, 72\% Latinx, 8\% White |
| Age Group | 84\% 21 and under | 84\% 21 and under | 78\% 21 and under | $76 \% 21$ and under |
| Low income (eligible for needbased financial aid) | 63\% | 73\% | 59\% | 71\% |
| \% Taking first ENGL/MATH course in first credit enrolled term | 81\% taken at first enrolled term | 83\% taken at first enrolled term | 70\% taken at first enrolled term | 72\% taken at first enrolled term |
| Average Mt.SAC cumulative GPA by end of cohort year | 3.06 | 1.57 | 3.30 | 2.21 |
| Average cumulative units earned by end of cohort year | 23.29 | 8.67 | 34.49 | 20.37 |
| Academic standing on probation by end of cohort year | 3\% | 35\% | 1.9\% | 23.3\% |
| Persist to next fall | 78\% | 45\% | 75\% | 59\% |
| Average High School GPA (selfreported in AQ) | 3.02 | 2.66 | 3.21 | 2.76 |
| \% of first math course taken in MATH110 | NA | NA | 50\% <br> MATH110, 4\% <br> below <br> Transfer, 46\% <br> Not MATH110 | 26\% MATH110, <br> 44\% below <br> Transfer, 30\% <br> Not MATH110 |

## APENDIX

## English Cohorts -Access and Throughput by First Course Level

| ACCESS - Which Course Level Cohort started in First English Course |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| English Fall Cohorts | ENGL1A |  | ENGL68 |  | ENGL67 |  | LERN81 |  | Total |  |
|  | \# | Row\% | \# | Row\% | \# | Row\% | \# | Row\% | \# | Row\% |
| Fall2015 | 664 | 16.5\% | 1628 | 40.4\% | 1337 | 33.2\% | 402 | 10.0\% | 4031 | 100.0\% |
| Fall2016 | 650 | 16.1\% | 1590 | 39.3\% | 1446 | 35.7\% | 363 | 9.0\% | 4049 | 100.0\% |
| Fall2017 | 901 | 22.2\% | 1663 | 40.9\% | 1256 | 30.9\% | 246 | 6.1\% | 4066 | 100.0\% |
| Fall2018 | 3606 | 96.2\% | 97 | 2.6\% | 14 | 0.4\% | 33 | 0.9\% | 3750 | 100.0\% |
| Fall2019 | 4184 | 98.3\% | 51 | 1.2\% | 9 | 0.2\% | 11 | 0.3\% | 4255 | 100.0\% |
| Grand Total | 10005 | 49.7\% | 5029 | 25.0\% | 4062 | 20.2\% | 1055 | 5.2\% | 20151 | 100.0\% |


| Throughput of English Fall Cohorts | Completed Transfer English within 1YR |  | Did Not Completed Transfer English within 1YR |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ ENGL CRS Level by <br> Fall Cohort Year | \# | $\begin{gathered} \text { Row } \\ \% \end{gathered}$ | \# | $\begin{gathered} \text { Row } \\ \% \end{gathered}$ | \# | $\begin{gathered} \text { Row } \\ \% \end{gathered}$ |
| Fall 2015 Cohort Total | 1352 | 33.5\% | 2679 | 66.5\% | 4031 | 100.0\% |
| ENGL1A | 495 | 74.5\% | 169 | 25.5\% | 664 | 100.0\% |
| ENGL68 | 629 | 38.6\% | 999 | 61.4\% | 1628 | 100.0\% |
| ENGL67 | 218 | 16.3\% | 1119 | 83.7\% | 1337 | 100.0\% |
| LERN81 | 10 | 2.5\% | 392 | 97.5\% | 402 | 100.0\% |
| Fall 2016 Cohort Total | 1394 | 34.4\% | 2655 | 65.6\% | 4049 | 100.0\% |
| ENGL1A | 475 | 73.1\% | 175 | 26.9\% | 650 | 100.0\% |
| ENGL68 | 635 | 39.9\% | 955 | 60.1\% | 1590 | 100.0\% |
| ENGL67 | 275 | 19.0\% | 1171 | 81.0\% | 1446 | 100.0\% |
| LERN81 | 9 | 2.5\% | 354 | 97.5\% | 363 | 100.0\% |
| Fall 2017 Cohort Total | 1606 | 39.5\% | 2460 | 60.5\% | 4066 | 100.0\% |
| ENGL1A | 650 | 72.1\% | 251 | 27.9\% | 901 | 100.0\% |
| ENGL68 | 733 | 44.1\% | 930 | 55.9\% | 1663 | 100.0\% |
| ENGL67 | 213 | 17.0\% | 1043 | 83.0\% | 1256 | 100.0\% |
| LERN81 | 10 | 4.1\% | 236 | 95.9\% | 246 | 100.0\% |
| Fall 2018 Cohort Total | 2576 | 68.7\% | 1174 | 31.3\% | 3750 | 100.0\% |
| ENGL1A | 2534 | 70.3\% | 1072 | 29.7\% | 3606 | 100.0\% |
| ENGL68 | 40 | 41.2\% | 57 | 58.8\% | 97 | 100.0\% |
| ENGL67 | 0 | 0.0\% | 14 | 100.0\% | 14 | 100.0\% |
| LERN81 | 2 | 6.1\% | 31 | 93.9\% | 33 | 100.0\% |
| Fall 2019 Cohort Total | 2923 | 68.7\% | 1332 | 31.3\% | 4255 | 100.0\% |
| ENGL1A | 2913 | 69.6\% | 1271 | 30.4\% | 4190 | 100.0\% |
| ENGL68 | 10 | 19.6\% | 41 | 80.4\% | 51 | 100.0\% |
| ENGL67 | 0 | 0.0\% | 9 | 100.0\% | 9 | 100.0\% |
| LERN81 | 0 | 0.0\% | 11 | 100.0\% | 11 | 100.0\% |
| Grand Total | 9910 | 48.7\% | 10429 | 51.3\% | 20339 | 100.0\% |

## English Cohorts -Throughput Disproportionate Impact Analysis on Fall 2015 and Fall 2019 Cohorts

| ENGLISH COHORTS | GENDER^ | Cohort Count | Outcome Count | 1YR <br> Throughput Completion Rate | $\begin{aligned} & \text { 80\% } \\ & \text { Index } \\ & \hline \end{aligned}$ | Proportion Index | Point Gap Index | MOE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fall 2015 | Female | 1927 | 692 | 35.9\% | 100.0 | 1.06 | 4.27 | -2.11 |
|  | Male | 2026 | 641 | 31.6\% | 88.1 | 0.94 | -4.27 | -2.06 |
|  | Total | 3953 | 1333 | 33.7\% |  |  |  |  |
| Fall 2019 | Female | 2170 | 1558 | 71.8\% | 100.0 | 1.04 | 6.17 | -1.95 |
|  | Male | 2028 | 1331 | 65.6\% | 91.4 | 0.95 | -6.17 | -2.02 |
|  | Total | 4198 | 2889 | 68.8\% |  |  |  |  |

^unknown gender not included

| ENGLISH COHORTS | ETHNICITY^ | Cohort Count | Outcome Count | 1YR <br> Throughput Completion Rate | $\begin{aligned} & 80 \% \\ & \text { Index } \\ & \hline \end{aligned}$ | Proportion Index | Point <br> Gap <br> Index | MOE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fall 2015 | Asian | 673 | 324 | 48.1\% | 100.0 | 1.44 | 17.53 | -3.57 |
|  | Black or African American | 148 | 37 | 25.0\% | 51.93 | 0.75 | -8.87 | -7.61 |
|  | Hispanic, Latino | 2705 | 778 | 28.8\% | 59.74 | 0.86 | -14.53 | -1.78 |
|  | White | 360 | 166 | 46.1\% | 95.8 | 1.37 | 13.80 | -4.88 |
|  | Two or More Races | 119 | 41 | 34.5\% | 71.57 | 1.03 | 0.94 | -8.48 |
|  | Total | 4005 | 1346 | 33.6\% |  |  |  |  |
| Fall 2019 | Asian | 801 | 683 | 85.3\% | 100.0 | 1.24 | 20.42 | -3.21 |
|  | Black or African American | 134 | 68 | 50.7\% | 59.51 | 0.74 | -18.53 | -7.85 |
|  | Hispanic, Latino | 2864 | 1,841 | 64.3\% | 75.39 | 0.94 | -13.51 | -1.70 |
|  | White | 312 | 239 | 76.6\% | 86.45 | 1.07 | 5.42 | -5.15 |
|  | Two or More Races | 127 | 92 | 72.4\% | 84.96 | 1.05 | 3.86 | -8.07 |
|  | Total | 4238 | 2,923 | 69.0\% |  |  |  |  |

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## Math Cohorts -Access and Throughput by First Course Level

| ACCESS - Which Course Level Cohort started in First Math Course |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Math <br> Fall <br> Cohorts | TRANSF |  | MATH71 |  | MATH70S |  | MATH51 |  | MATH50 |  | LERN49 |  | LERN48 |  | Total |  |
|  | \# | \% | \# | \% | \# | \% | \# | \% | \# | \% | \# | \% | \# | \% | \# | \% |
| Fall2015 | 1084 | 26\% | 799 | 19\% | 23 | 1\% | 375 | 9\% | 750 | 18\% | 864 | 21\% | 228 | 6\% | 4123 | 100\% |
| Fall2016 | 1136 | 28\% | 776 | 19\% | 40 | 1\% | 279 | 7\% | 798 | 19\% | 881 | 21\% | 204 | 5\% | 4114 | 100\% |
| Fall2017 | 1124 | 26\% | 909 | 21\% | 69 | 2\% | 357 | 8\% | 817 | 19\% | 848 | 20\% | 208 | 5\% | 4332 | 100\% |
| Fall2018 | 1727 | 45\% | 757 | 20\% | 85 | 2\% | 663 | 17\% | 390 | 10\% | 149 | 4\% | 47 | 1\% | 3818 | 100\% |
| Fall2019 | 2699 | 72\% | 653 | 17\% | 0 | 0\% | 170 | 5\% | 178 | 5\% | 23 | 1\% | 27 | 1\% | 3750 | 100\% |
| Grand Total | 7770 | 39\% | 3894 | 19\% | 217 | 1\% | 1844 | 9\% | 2933 | 15\% | 2765 | 14\% | 714 | 4\% | 20137 | 100\% |


| Throughput of Math Fall Cohorts | Completed Transfer Math within 1YR |  | Did Not Completed Transfer Math within 1YR |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fall Cohort Year | \# | ROW\% | \# | ROW\% | \# | ROW\% |
| Fall 2015 Cohort Total | 928 | 22.5\% | 3195 | 77.5\% | 4123 | 100.0\% |
| TRANSF | 784 | 72.3\% | 300 | 27.7\% | 1084 | 100.0\% |
| MATH71 | 103 | 12.9\% | 696 | 87.1\% | 799 | 100.0\% |
| MATH70S | 9 | 39.1\% | 14 | 60.9\% | 23 | 100.0\% |
| MATH51 | 14 | 3.7\% | 361 | 96.3\% | 375 | 100.0\% |
| MATH50 | 17 | 2.3\% | 733 | 97.7\% | 750 | 100.0\% |
| LERN49 | 1 | 0.1\% | 863 | 99.9\% | 864 | 100.0\% |
| LERN48 | 0 | 0.0\% | 228 | 100.0\% | 228 | 100.0\% |
| Fall 2016 Cohort Total | 916 | 22.3\% | 3198 | 77.7\% | 4114 | 100.0\% |
| TRANSF | 762 | 67.1\% | 374 | 32.9\% | 1136 | 100.0\% |
| MATH71 | 114 | 14.7\% | 662 | 85.3\% | 776 | 100.0\% |
| MATH70S | 16 | 40.0\% | 24 | 60.0\% | 40 | 100.0\% |
| MATH51 | 13 | 4.7\% | 266 | 95.3\% | 279 | 100.0\% |
| MATH50 | 8 | 1.0\% | 790 | 99.0\% | 798 | 100.0\% |
| LERN49 | 2 | 0.2\% | 879 | 99.8\% | 881 | 100.0\% |
| LERN48 | 1 | 0.5\% | 203 | 99.5\% | 204 | 100.0\% |
| Fall 2017 Cohort Total | 984 | 22.7\% | 3348 | 77.3\% | 4332 | 100.0\% |
| TRANSF | 769 | 68.4\% | 355 | 31.6\% | 1124 | 100.0\% |
| MATH71 | 144 | 15.8\% | 765 | 84.2\% | 909 | 100.0\% |
| MATH70S | 27 | 39.1\% | 42 | 60.9\% | 69 | 100.0\% |
| MATH51 | 25 | 7.0\% | 332 | 93.0\% | 357 | 100.0\% |
| MATH50 | 15 | 1.8\% | 802 | 98.2\% | 817 | 100.0\% |
| LERN49 | 4 | 0.5\% | 844 | 99.5\% | 848 | 100.0\% |
| LERN48 | 0 | 0.0\% | 208 | 100.0\% | 208 | 100.0\% |
| Fall 2018 Cohort Total | 1240 | 32.5\% | 2578 | 67.5\% | 3818 | 100.0\% |
| TRANSF | 1064 | 61.6\% | 663 | 38.4\% | 1727 | 100.0\% |


| MATH71 | 128 | $16.9 \%$ | 629 | $83.1 \%$ | 757 | $100.0 \%$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
| MATH70S | 24 | $28.2 \%$ | 61 | $71.8 \%$ | 85 | $100.0 \%$ |
| MATH51 | 21 | $3.2 \%$ | 642 | $96.8 \%$ | 663 | $100.0 \%$ |
| MATH50 | 3 | $0.8 \%$ | 387 | $99.2 \%$ | 390 | $100.0 \%$ |
| LERN49 | 0 | $0.0 \%$ | 149 | $100.0 \%$ | 149 | $100.0 \%$ |
| LERN48 | 0 | $0.0 \%$ | 47 | $100.0 \%$ | 47 | $100.0 \%$ |
| Fall 2019 Cohort Total | 1472 | $39.3 \%$ | $\mathbf{2 2 7 8}$ | $60.7 \%$ | 3750 | $100.0 \%$ |
| TRANSF | 1418 | $52.5 \%$ | 1281 | $47.5 \%$ | 2699 | $100.0 \%$ |
| MATH71 | 37 | $5.7 \%$ | 616 | $94.3 \%$ | 653 | $100.0 \%$ |
| MATH51 | 11 | $6.5 \%$ | 159 | $93.5 \%$ | 170 | $100.0 \%$ |
| MATH50 | 4 | $2.2 \%$ | 174 | $97.8 \%$ | 178 | $100.0 \%$ |
| LERN49 | 1 | $4.3 \%$ | 22 | $95.7 \%$ | 23 | $100.0 \%$ |
| LERN48 | 1 | $3.7 \%$ | 26 | $96.3 \%$ | 27 | $100.0 \%$ |
|  | $\mathbf{5 5 4 0}$ | $\mathbf{2 7 . 5 \%}$ | $\mathbf{1 4 5 9 7}$ | $\mathbf{7 2 . 5 \%}$ | $\mathbf{2 0 1 3 7}$ | $\mathbf{1 0 0 . 0 \%}$ |

## Math Cohorts -Throughput Disproportionate Impact Analysis on Fall 2015 and Fall 2019 Cohorts

| MATH COHORTS | GENDER^ | Cohort Count | Outcome Count | 1YR <br> Throughput Completion Rate | $\begin{aligned} & 80 \% \\ & \text { Index } \end{aligned}$ | Proportion Index | Point Gap Index | MOE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fall 2015 | Female | 2053 | 450 | 21.9\% | 94.4 | 0.97 | -1.31 | -1.81 |
|  | Male | 1989 | 462 | 23.2\% | 100.0 | 1.03 | 1.31 | -1.84 |
|  | Total | 4042 | 912 | 22.6\% |  |  |  |  |
| Fall 2019 | Female | 1868 | 737 | 39.5\% | 100.0 | 1.00 | 0.22 | -2.22 |
|  | Male | 1835 | 720 | 39.2\% | 99.5 | 1.00 | -0.22 | -2.24 |
|  | Total | 3703 | 1457 | 39.3\% |  |  |  |  |

^unknown gender not included

| MATH COHORTS | ETHNICITY^ | Cohort Count | Outcome Count | 1YR <br> Throughput Completion Rate | $\begin{aligned} & 80 \% \\ & \text { Index } \end{aligned}$ | Proportion Index | Point <br> Gap <br> Index | MOE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fall 2015 | Asian | 699 | 388 | 55.5\% | 100.0 | 2.47 | 39.74 | -3.10 |
|  | Black or African American | 155 | 17 | 11.0\% | 19.76 | 0.49 | -11.99 | -6.57 |
|  | Hispanic, Latino | 2713 | 395 | 14.6\% | 26.23 | 0.65 | -23.24 | -1.57 |
|  | White | 400 | 106 | 26.5\% | 47.74 | 1.18 | 4.42 | -4.09 |
|  | Two or More Races | 126 | 18 | 14.3\% | 25.74 | 0.63 | -8.48 | -7.29 |
|  | Total | 4093 | 924 | 22.6\% |  |  |  |  |
| Fall 2019 | Asian | 810 | 515 | 63.6\% | 100.0 | 1.62 | 31.03 | -3.36 |
|  | Black or African American | 115 | 21 | 18.3\% | 28.27 | 0.47 | -21.66 | -8.92 |
|  | Hispanic, Latino | 2374 | 730 | 30.7\% | 48.36 | 0.78 | -23.17 | -1.96 |


| White | 327 | 156 | $47.7 \%$ | 75.03 | 1.22 | 9.26 | -5.29 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Two or More <br> Races | 113 | 47 | $41.6 \%$ | 65.42 | 1.06 | 2.41 | -9.00 |
| Total | 3739 | 1,469 | $39.3 \%$ |  |  |  |  |

${ }^{\wedge}$ Ethnic group with $\mathrm{N}<30$ not included


[^0]:    ${ }^{\wedge}$ Ethnic group with $\mathrm{N}<30$ not included

