## STATISTICAL SUMMARY

## SPRING 2021 ADMINISTRATION OF OHIO’S STATE TESTS (OST) IN ENGLISH LANGUAGE ARTS, MATHEMATICS, SCIENCE AND SOCIAL STUDIES

The State Board of Education of Ohio adopted Ohio's Learning Standards in English language arts and mathematics in 2010 as part of a multi-state effort. In that same year, the State Board adopted new, more rigorous, standards in science and social studies. Ohio's Learning Standards for English language arts, mathematics, science, and social studies describe the educational targets for students in each subject area. Ohio's State Tests are designed to measure student progress toward achievement of Ohio's Learning Standards. In spring 2016, the Ohio Department of Education administered, for the first time, Ohio's State Tests in English language arts (ELA) and mathematics to assess proficiency with respect to Ohio's Learning Standards. Specifically, the state tests assess student achievement in meeting the English language arts and mathematics standards in grades 3 through 8 and high school coursework, and social studies standards in high school coursework in U.S. History and U.S. Government. In science, students take state tests in grades 5 and 8, and following instruction in biology in high school.

Ohio's State Tests are a series of fixed form assessments that were intended for online administration. However, because some schools were not ready to transition to the online testing environment, the assessments are offered in both online and paper formats.

Statistics reported here are based on the results of all public school and community students participating in the spring 2021 administration. The statistics include repeat examinees in Grade 3 ELA and all high school end-ofcourse tests.

Table 1 - Operational Summary Statistics

| Test | N-count | Max Raw Score | Raw Score Mean | Raw Score <br> Standard <br> Deviation | Raw Score SEM | Max Scale Score | Min Scale Score | Scale Score Mean | Scale Score Standard Deviation | Scale Score SEM | Reliability |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| English Language Arts |  |  |  |  |  |  |  |  |  |  |  |
| Grade 3 ELA | 111,464 | 41 | 17.70 | 8.00 | 2.77 | 863 | 545 | 700 | 52 | 18.01 | 0.88 |
| Grade 4 ELA | 113,313 | 42 | 19.91 | 8.57 | 2.97 | 846 | 549 | 704 | 47 | 15.95 | 0.88 |
| Grade 5 ELA | 113,754 | 41 | 22.80 | 8.41 | 2.91 | 848 | 552 | 715 | 50 | 16.90 | 0.88 |
| Grade 6 ELA | 117,304 | 61 | 30.86 | 12.06 | 3.41 | 851 | 555 | 701 | 45 | 13.22 | 0.92 |
| Grade 7 ELA | 119,263 | 61 | 31.58 | 12.30 | 3.48 | 833 | 568 | 709 | 42 | 11.76 | 0.92 |
| Grade 8 ELA | 120,885 | 61 | 29.89 | 11.67 | 3.50 | 805 | 586 | 699 | 32 | 9.57 | 0.91 |
| High School 1 ELA | 5,828 | 61 | 20.52 | 10.21 | 3.54 | 800 | 606 | 683 | 26 | 8.92 | 0.88 |
| High School 2 ELA | 121,748 | 61 | 30.49 | 11.90 | 3.57 | 808 | 597 | 708 | 32 | 9.23 | 0.91 |
| Mathematics |  |  |  |  |  |  |  |  |  |  |  |
| Grade 3 Math | 111,683 | 49 | 25.31 | 11.94 | 3.16 | 818 | 587 | 706 | 49 | 12.70 | 0.93 |
| Grade 4 Math | 112,438 | 49 | 22.35 | 12.27 | 3.01 | 835 | 605 | 713 | 50 | 12.85 | 0.94 |
| Grade 5 Math | 112,389 | 49 | 19.79 | 12.12 | 3.21 | 804 | 624 | 700 | 37 | 10.08 | 0.93 |
| Grade 6 Math | 115,223 | 52 | 23.28 | 12.12 | 3.21 | 790 | 616 | 698 | 35 | 9.19 | 0.93 |
| Grade 7 Math | 11,2900 | 53 | 20.76 | 10.97 | 3.29 | 806 | 605 | 698 | 35 | 10.23 | 0.91 |
| Grade 8 Math | 97,410 | 52 | 21.21 | 10.47 | 3.14 | 774 | 633 | 696 | 23 | 6.97 | 0.91 |
| Algebra | 124,604 | 54 | 21.80 | 11.32 | 3.20 | 814 | 618 | 702 | 34 | 9.71 | 0.92 |
| Geometry | 107,803 | 55 | 18.35 | 11.25 | 3.38 | 810 | 604 | 693 | 38 | 11.21 | 0.91 |
| Integrated Math 1 | 3,231 | 55 | 18.33 | 10.85 | 3.43 | 814 | 618 | 691 | 32 | 9.86 | 0.90 |
| Integrated Math 2 | 5,069 | 55 | 14.36 | 11.00 | 3.48 | 813 | 594 | 676 | 39 | 12.61 | 0.90 |
| Sciences |  |  |  |  |  |  |  |  |  |  |  |
| Grade 5 Science | 113,019 | 56 | 28.43 | 11.44 | 3.24 | 845 | 559 | 711 | 50 | 13.87 | 0.92 |
| Grade 8 Science | 119,501 | 55 | 25.48 | 11.11 | 3.33 | 868 | 575 | 713 | 45 | 13.64 | 0.91 |


| Test | N-count | Max Raw Score | Raw Score Mean | Raw Score <br> Standard <br> Deviation | Raw Score SEM | Max Scale Score | Min Scale Score | Scale Score Mean | Scale Score <br> Standard <br> Deviation | Scale Score SEM | Reliability |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Biology | 118,067 | 55 | 23.89 | 10.48 | 3.31 | 823 | 617 | 712 | 30 | 9.66 | 0.90 |
| Social Studies |  |  |  |  |  |  |  |  |  |  |  |
| American Government | 72,454 | 54 | 28.22 | 10.69 | 3.38 | 774 | 642 | 712 | 19 | 6.00 | 0.90 |
| American History | 99,227 | 54 | 28.16 | 10.82 | 3.42 | 800 | 619 | 714 | 25 | 8.02 | 0.90 |

Note: SEM is standard error of measurement. Min and Max Scale Score and Max Raw Score show the minimum/maximum possible score the students could achieve.

Table 2 - Scale Score Cut Points for Basic, Proficient, Accelerated, and Advanced Performance Levels Test

| Test | Basic | Proficient | Accelerated | Advanced |
| :---: | :---: | :---: | :---: | :---: |
| English Language Arts |  |  |  |  |
| Grade 3 ELA | 672 | 700 | 725 | 752 |
| Grade 4 ELA | 674 | 700 | 725 | 753 |
| Grade 5 ELA | 669 | 700 | 725 | 755 |
| Grade 6 ELA | 668 | 700 | 725 | 751 |
| Grade 7 ELA | 670 | 700 | 725 | 749 |
| Grade 8 ELA | 682 | 700 | 725 | 744 |
| High School ELA 1 | 683 | 700 | 725 | 739 |
| High School ELA 2 | 679 | 700 | 725 | 742 |
| Mathematics |  |  |  |  |
| Grade 3 Math | 683 | 700 | 725 | 753 |
| Grade 4 Math | 686 | 700 | 725 | 759 |
| Grade 5 Math | 687 | 700 | 725 | 749 |
| Grade 6 Math | 682 | 700 | 725 | 744 |
| Grade 7 Math | 684 | 700 | 725 | 755 |
| Grade 8 Math | 690 | 700 | 725 | 744 |
| Algebra | 682 | 700 | 725 | 754 |
| Geometry | 678 | 700 | 725 | 756 |
| Integrated Math 1 | 682 | 700 | 725 | 754 |
| Integrated Math 2 | 677 | 700 | 725 | 758 |
| Science |  |  |  |  |
| Grade 5 Science | 664 | 700 | 725 | 753 |
| Grade 8 Science | 674 | 700 | 725 | 766 |
| Biology | 685 | 700 | 725 | 735 |
| Physical Science | 684 | 700 | 725 | 749 |
| Social Studies |  |  |  |  |
| American Government | 687 | 700 | 725 | 739 |
| American History | 684 | 700 | 725 | 738 |

Table 3 - Percentage of Students at Each Performance Level

| Test | N-Count | Limited | Basic | Proficient | Accelerated | Advanced | At or Above Proficient |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| English Language Arts |  |  |  |  |  |  |  |
| Grade 3 ELA | 111,464 | 30 | 20 | 16 | 15 | 18 | 50 |
| Grade 4 ELA | 113,313 | 27 | 17 | 18 | 22 | 15 | 56 |
| Grade 5 ELA | 113,754 | 17 | 18 | 23 | 17 | 26 | 65 |
| Grade 6 ELA | 117,304 | 23 | 25 | 22 | 15 | 15 | 52 |
| Grade 7 ELA | 119,263 | 17 | 23 | 21 | 22 | 17 | 60 |
| Grade 8 ELA | 120,885 | 29 | 18 | 32 | 13 | 7 | 53 |
| High School ELA 1 | 5,828 | 50 | 26 | 17 | 4 | 3 | 24 |
| High School ELA 2 | 121,748 | 17 | 20 | 31 | 17 | 15 | 63 |
| Mathematics |  |  |  |  |  |  |  |
| Grade 3 Math | 111,683 | 32 | 12 | 18 | 19 | 19 | 56 |
| Grade 4 Math | 112,438 | 32 | 8 | 20 | 20 | 20 | 60 |
| Grade 5 Math | 112,389 | 38 | 13 | 24 | 14 | 10 | 48 |
| Grade 6 Math | 115,223 | 35 | 18 | 23 | 13 | 11 | 46 |
| Grade 7 Math | 112,900 | 37 | 19 | 21 | 16 | 7 | 44 |
| Grade 8 Math | 97,410 | 41 | 16 | 32 | 9 | 2 | 43 |
| Algebra | 124,604 | 29 | 23 | 25 | 17 | 7 | 49 |
| Geometry | 107,803 | 34 | 23 | 21 | 16 | 6 | 42 |
| Integrated Math 1 | 3,231 | 44 | 21 | 19 | 11 | 5 | 35 |
| Integrated Math 2 | 5,069 | 61 | 15 | 11 | 9 | 5 | 24 |
| Science |  |  |  |  |  |  |  |
| Grade 5 Science | 113,019 | 19 | 23 | 16 | 19 | 23 | 58 |
| Grade 8 Science | 119,501 | 19 | 21 | 20 | 27 | 13 | 60 |
| Biology | 118,067 | 19 | 17 | 31 | 11 | 23 | 64 |
| Social Studies |  |  |  |  |  |  |  |
| American Government | 72,454 | 6 | 22 | 47 | 16 | 10 | 72 |
| American History | 99,227 | 11 | 21 | 34 | 16 | 18 | 68 |

## SUBSCALE DATA

Table 4 - Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient

| Test | Strand | Below Mastery | At/Near Mastery | Above Mastery |
| :---: | :---: | :---: | :---: | :---: |
| Grade 3 ELA | RI | 0-5 | 6-9 | 10-16 |
|  | RL | 0-5 | 6-9 | 10-15 |
|  | W | 0-1 | 2-4 | 5-10 |
| Grade 4 ELA | RI | 0-5 | 6-9 | 10-16 |
|  | RL | 0-6 | 7-10 | 11-16 |
|  | W | 0-1 | 2-4 | 5-10 |
| Grade 5 ELA | RI | 0-7 | 8-10 | 11-16 |
|  | RL | 0-5 | 6-9 | 10-15 |
|  | W | 0-2 | 3-5 | 6-10 |
| Grade 6 ELA | RI | 0-9 | 10-14 | 15-24 |
|  | RL | 0-6 | 7-11 | 12-17 |
|  | W | 0-8 | 9-11 | 12-20 |
| Grade 7 ELA | RI | 0-8 | 9-13 | 14-24 |
|  | RL | 0-6 | 7-10 | 11-17 |
|  | W | 0-7 | 8-10 | 11-20 |
| Grade 8 ELA | RI | 0-7 | 8-11 | 12-21 |
|  | RL | 0-8 | 9-13 | 14-20 |
|  | W | 0-7 | 8-11 | 12-20 |
| High School 1 ELA | RI | 0-7 | 8-12 | 13-26 |
|  | RL | 0-5 | 6-9 | 10-15 |
|  | W | 0-7 | 8-11 | 12-20 |
| High School 2 ELA | RI | 0-8 | 9-14 | 15-25 |
|  | RL | 0-5 | 6-9 | 10-16 |
|  | W | 0-6 | 7-10 | 11-20 |

Note: RL = Reading Literary Text; RI = Reading Informational Text; W = Writing). The ranges are based on online test form.

Table 4 - Continued

| Test | Strand | Below Mastery | At/Near Mastery | Above Mastery |
| :---: | :---: | :---: | :---: | :---: |
| Grade 3 Math | FRA | 0-4 | 5-7 | 8-12 |
|  | G | 0-4 | 5-7 | 8-11 |
|  | MUD | 0-4 | 5-7 | 8-13 |
|  | MR | 0-8 | 9-13 | 13-27 |
|  | NO | 0-3 | 4-7 | 7-13 |
| Grade 4 Math | FRA | 0-4 | 5-8 | 9-19 |
|  | G | 0-3 | 4-6 | 7-11 |
|  | MUD | 0-5 | 6-9 | 10-19 |
|  | MR | 0-6 | 7-11 | 12-30 |
| Grade 5 Math | D | 0-5 | 6-9 | 10-18 |
|  | FRA | 0-4 | 5-8 | 9-19 |
|  | G | 0-3 | 4-6 | 7-12 |
|  | MR | 0-9 | 10-14 | 15-31 |
| Grade 6 Math | EE | 0-6 | 7-10 | 11-17 |
|  | GS | 0-2 | 3-5 | 6-11 |
|  | MR | 0-7 | 8-12 | 13-26 |
|  | NS | 0-3 | 4-6 | 7-11 |
|  | RP | 0-4 | 5-8 | 9-13 |
| Grade 7 Math | G | 0-3 | 4-6 | 7-12 |
|  | MR | 0-8 | 9-13 | 14-33 |
|  | NS | 0-4 | 5-8 | 9-16 |
|  | RP | 0-3 | 4-6 | 7-12 |
|  | SP | 0-2 | 3-5 | 6-13 |
| Grade 8 Math | EE | 0-4 | 5-7 | 8-13 |
|  | F | 0-3 | 4-6 | 7-11 |
|  | G | 0-5 | 6-8 | 9-16 |
|  | MR | 0-7 | 8-12 | 13-29 |
|  | NS | 0-3 | 4-6 | 7-12 |
| Algebra | F | 0-6 | 7-11 | 12-24 |
|  | MR | 0-6 | 7-10 | 11-23 |
|  | NQEE | 0-5 | 6-9 | 10-19 |
|  | S | 0-2 | 3-5 | 6-11 |
| Geometry | CP | 0-4 | 5-8 | 9-19 |


| Test | Strand | Below Mastery | At/Near Mastery | Above Mastery |
| :---: | :---: | :---: | :---: | :---: |
|  | C | 0-1 | 2-4 | 5-10 |
|  | MR | 0-9 | 10-14 | 15-36 |
|  | P | 0-2 | 3-5 | 6-10 |
|  | ST | 0-3 | 4-7 | 8-16 |
| Integrated Math 1 | A | 0-3 | 4-6 | 7-13 |
|  | G | 0-2 | 3-6 | 7-12 |
|  | MR | 0-9 | 10-14 | 15-33 |
|  | NQF | 0-5 | 6-9 | 10-19 |
|  | S | 0-2 | 3-5 | 6-11 |
| Integrated Math 2 | F | 0-2 | 3-5 | 6-11 |
|  | G | 0-4 | 5-8 | 9-20 |
|  | MR | 0-7 | 8-12 | 13-31 |
|  | NQEE | 0-3 | 4-6 | 7-14 |
|  | P | 0-3 | 4-6 | 7-10 |

Note: MR = Model Reasoning; MUD = Multiplication \& Division; NO = Numbers \& Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions \& Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence \& Proof; ST = Similarity \& Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number \& Quantity/Functions. The ranges are based on online test form.

Table 4 - Continued

| Test | Strand | Below Mastery | At/Near <br> Mastery | Above Mastery |
| :---: | :---: | :---: | :---: | :---: |
|  | ES | $0-5$ | $6-8$ | $9-15$ |
|  | LS | $0-8$ | $9-12$ | $13-20$ |
|  | PS | $0-6$ | $7-10$ | $11-21$ |
| Grade 8 Science | ES | $0-6$ | $7-10$ | $11-22$ |
|  | LS | $0-3$ | $4-7$ | $8-16$ |
|  | PS | $0-5$ | $6-9$ | $10-17$ |
| Biology | Ce | $0-2$ | $3-5$ | $6-13$ |
|  | DI | $0-3$ | $4-6$ | $7-15$ |
|  | E | $0-4$ | $5-7$ | $8-14$ |
|  | H | $0-2$ | $3-5$ | $6-13$ |

Note: ES = Earth Science; LS = Life Science; PS = Physical Science; H = Heredity; E = Evolution; DI = Diversity and Interdependence of Life; Ce = Cells. The ranges are based on online test form.

Table 4 - Continued

| Test | Strand | Below <br> Proficient | At/Near <br> Proficient | Above <br> Proficient |
| :---: | :---: | :---: | :---: | :---: |
| American Government | AGA | $0-4$ | $5-8$ | $9-17$ |
|  | AGB | $0-4$ | $5-8$ | $9-22$ |
|  | AGC | $0-5$ | $6-9$ | $10-15$ |
|  | AHA | $0-2$ | $3-5$ | $6-12$ |
|  | AHB | $0-8$ | $9-12$ | $13-23$ |
|  | AHC | $0-5$ | $6-9$ | $10-19$ |

Note: EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles \& Structures; AGC = Ohio/Policy/Economy; AHA = Skills \& Documents; AHB = 1877-1945; AHC = 1945-Present. The ranges are based on online test form.

Table 5 - Percentage of Students Below Proficient, At/Near Proficient and Above Proficient

| Test | Strand | Below Proficient | At Proficient | Above Proficient |
| :---: | :---: | :---: | :---: | :---: |
| Grade 3 ELA | RI | 31 | 39 | 30 |
|  | RL | 35 | 36 | 30 |
|  | W | 32 | 48 | 20 |
| Grade 4 ELA | RI | 25 | 42 | 33 |
|  | RL | 35 | 29 | 36 |
|  | W | 28 | 30 | 42 |
| Grade 5 ELA | RI | 23 | 24 | 53 |
|  | RL | 28 | 31 | 41 |
|  | W | 19 | 43 | 38 |
| Grade 6 ELA | RI | 32 | 30 | 38 |
|  | RL | 26 | 44 | 30 |
|  | W | 42 | 19 | 39 |
| Grade 7 ELA | RI | 25 | 30 | 44 |
|  | RL | 23 | 31 | 45 |
|  | W | 38 | 17 | 46 |
| Grade 8 ELA | RI | 38 | 31 | 31 |
|  | RL | 34 | 37 | 30 |
|  | W | 32 | 20 | 48 |
| High School ELA 1 | RI | 44 | 34 | 21 |
|  | RL | 37 | 42 | 21 |
|  | W | 82 | 10 | 8 |
| High School ELA 2 | RI | 21 | 40 | 39 |
|  | RL | 23 | 38 | 39 |
|  | W | 32 | 20 | 48 |

Note: RL = Reading Literary Text; RI = Reading Informational Text; W = Writing

Table 5 - Continued

| Test | Strand | Below Proficient | At Proficient | Above Proficient |
| :---: | :---: | :---: | :---: | :---: |
| Grade 3 Math | FRA | 33 | 29 | 39 |
|  | G | 23 | 36 | 41 |
|  | MUD | 35 | 24 | 41 |
|  | MR | 35 | 22 | 43 |
|  | NO | 31 | 29 | 40 |
| Grade 4 Math | FRA | 33 | 24 | 44 |
|  | G | 32 | 30 | 38 |
|  | MUD | 28 | 28 | 44 |
|  | MR | 28 | 23 | 48 |
| Grade 5 Math | D | 40 | 22 | 38 |
|  | FRA | 40 | 26 | 34 |
|  | G | 35 | 32 | 33 |
|  | MR | 44 | 19 | 37 |
| Grade 6 Math | EE | 43 | 28 | 28 |
|  | GS | 31 | 40 | 29 |
|  | MR | 39 | 24 | 37 |
|  | NS | 35 | 34 | 31 |
|  | RP | 37 | 32 | 32 |
| Grade 7 Math | G | 38 | 41 | 22 |
|  | MR | 41 | 23 | 36 |
|  | NS | 37 | 31 | 32 |
|  | RP | 33 | 36 | 31 |
|  | SP | 32 | 37 | 31 |
| Grade 8 Math | EE | 42 | 27 | 31 |
|  | F | 35 | 44 | 21 |
|  | G | 49 | 26 | 25 |
|  | MR | 41 | 29 | 30 |
|  | NS | 36 | 33 | 31 |
| Algebra | F | 35 | 31 | 34 |
|  | MR | 34 | 28 | 39 |
|  | NQEE | 36 | 29 | 36 |
|  | S | 23 | 45 | 31 |
| Geometry | CP | 45 | 31 | 24 |


| Test | Strand | Below Proficient | At Proficient | Above Proficient |
| :---: | :---: | :---: | :---: | :---: |
|  | C | 33 | 43 | 25 |
|  | MR | 48 | 22 | 30 |
|  | P | 28 | 47 | 25 |
|  | ST | 39 | 31 | 30 |
| Integrated Math 1 | A | 43 | 32 | 25 |
|  | G | 41 | 47 | 13 |
|  | MR | 54 | 18 | 28 |
|  | NQF | 54 | 23 | 22 |
|  | S | 32 | 41 | 27 |
| Integrated Math 2 | F | 49 | 33 | 18 |
|  | G | 67 | 17 | 16 |
|  | MR | 65 | 16 | 19 |
|  | NQEE | 64 | 18 | 18 |
|  | P | 63 | 27 | 9 |

Note: MR = Model Reasoning; MUD = Multiplication \& Division; NO = Numbers \& Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions \& Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence \& Proof; ST = Similarity \& Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number \& Quantity/Functions

Table 5 - Continued

| Test | Strand | Below Proficient | At Proficient | Above Proficient |
| :---: | :---: | :---: | :---: | :---: |
| Grade 5 Science | ES | 31 | 29 | 41 |
|  | LS | 32 | 22 | 46 |
|  | PS | 28 | 34 | 38 |
| Grade 8 Science | ES | 27 | 31 | 42 |
|  | LS | 19 | 40 | 41 |
|  | PS | 26 | 30 | 44 |
| Biology | Ce | 13 | 50 | 37 |
|  | DI | 24 | 24 | 41 |
|  | E | 25 | 37 | 44 |
|  | H | 19 |  |  |

Note: ES = Earth Science; LS = Life Science; PS = Physical Science; H = Heredity; E = Evolution; DI = Diversity and Interdependence of Life; Ce = Cells.

Table 5 - Continued

| Test | Strand | Below Proficient | At Proficient | Above Proficient |
| :---: | :---: | :---: | :---: | :---: |
|  | AGA | 11 | 31 | 58 |
|  | AGB | 14 | 34 | 52 |
|  | AGC | 15 | 36 | 49 |
| American History | AHA | 12 | 34 | 54 |
|  | AHB | 23 | 27 | 50 |
|  | AHC | 20 | 31 | 49 |

Note: EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles \& Structures; AGC = Ohio/Policy/Economy; AHA = Skills \& Documents; AHB = 1877-1945; AHC = 1945-Present

