

Table SK12-9

Average CIL and CT scores of male and female students in grade 8 and female-male score differences, by education system: 2018

(Average score)

| Education system | Average CIL score | | | Average CT score | | | OECD country and education system |
|----------------------------------|-------------------|------------|------------------------------|------------------|------------|------------------------------|-----------------------------------|
| | Male | Female | Female-male score difference | Male | Female | Female-male score difference | |
| ICILS 2018 average | 488 * | 505 * | 18 | 502 | 498 | -4 | na |
| Chile | 472 * | 480 * | s | NA | NA | NA | Yes |
| Denmark ^{a,b} | 545 * | 561 * | 16 | 527 * | 527 * | s | Yes |
| Finland | 516 | 545 * | 29 | 505 | 498 | s | Yes |
| France | 487 * | 511 * | 24 | 502 | 515 * | 13 * | Yes |
| Germany | 511 | 526 | 16 | 490 * | 482 * | s | Yes |
| Italy ^c | 454 * | 469 * | 16 | NA | NA | NA | Yes |
| Kazakhstan ^b | 391 * | 399 * | 8 * | NA | NA | NA | No |
| South Korea | 524 * | 563 * | 39 * | 538 * | 534 * | s | Yes |
| Luxembourg | 471 * | 494 * | 23 | 463 * | 457 * | s | Yes |
| <i>Moscow</i> | 546 * | 552 * | 6 * | NA | NA | NA | No |
| <i>North Rhine–Westphalia</i> | 513 | 517 * | s | 496 | 474 * | -23 * | No |
| Portugal ^d | 511 | 522 * | 11 * | 490 * | 473 * | -16 * | Yes |
| United States^e | 508 | 531 | 23 | 502 | 495 | -7 | Yes |
| Uruguay | 448 * | 453 * | s | NA | NA | NA | No |

* $p < 0.05$. Significantly different from the U.S. estimate at the 0.05 level of statistical significance. na = not applicable. NA = not available. s = suppressed for reasons of confidentiality and/or reliability.

CIL = computer and information literacy; CT = computational thinking; ICILS = International Computer and Information Literacy Study; OECD = Organisation for Economic Co-operation and Development.

^a Met guidelines for sample participation rates only after replacement schools were included.

^b National Defined Population covers 90%–95% of National Target Population.

^c Data collected at the beginning of the school year.

^d Nearly met guidelines for sample participation rates after replacement schools were included.

^e Did not meet the guidelines for a sample participation rate of 85% and was not included in the international average.

Note(s):

The scale of CIL and CT scores is 100–700. The ICILS 2018 average is the average of all participating education systems meeting international technical standards, with each education system weighted equally. Italics indicate the benchmarking participants.

Source(s):

International Association for the Evaluation of Educational Achievement (IEA), ICILS, 2018. <https://nces.ed.gov/surveys/icils/icils2018/theme1.asp?tabontop>.

Science and Engineering Indicators