|  |  |  |  |
| --- | --- | --- | --- |
|  | All | Men | Women |
| 2017 | 2018 | 2019 | 2020 | 2017 | 2018 | 2019 | 2020 | 2017 | 2018 | 2019 | 2020 |
| ASMR (/100,000) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Q0 | 145.00(138.75-151.40) | 131.94(125.94-138.10) | 147.44(140.71-154.33) | 135.61(129.25-142.14) | 200.13(189.80-210.77) | 170.80(161.91-179.97) | 188.01(178.03-198.29) | 178.16(168.21-188.40) | 92.93(85.50-100.71) | 92.96(84.98-101.32) | 104.16(95.32-113.41) | 90.84(82.82-99.25) |
|  | Q1 | 37.18(36.00-38.38) | 36.30(35.18-37.45) | 38.47(37.37-39.58) | 34.74(33.70-35.81) | 58.25(56.10-60.46) | 56.16(54.13-58.25) | 56.83(54.90-58.80) | 52.53(50.68-54.43) | 20.05(18.85-21.31) | 19.75(18.59-20.96) | 22.80(21.62-24.03) | 19.91(18.79-21.08) |
|  | Q2 | 39.68(38.41-40.98) | 36.72(35.50-37.97) | 35.36(34.14-36.61) | 35.67(34.50-36.86) | 55.36(53.29-57.50) | 51.90(49.89-53.97) | 50.82(48.76-52.94) | 49.53(47.60-51.52) | 23.03(21.62-24.51) | 20.61(19.29-21.99) | 19.77(18.45-21.16) | 21.37(20.06-22.74) |
|  | Q3 | 42.44(41.21-43.69) | 39.87(38.70-41.07) | 38.36(37.23-39.52) | 37.91(36.81-39.03) | 58.68(56.64-60.77) | 53.71(51.80-55.67) | 51.67(49.84-53.55) | 50.59(48.82-52.40) | 26.35(24.97-27.78) | 26.13(24.76-27.55) | 24.80(23.48-26.16) | 25.23(23.93-26.57) |
|  | Q4 | 40.09(39.06-41.13) | 37.01(36.04-38.00) | 34.69(33.76-35.63) | 32.75(31.86-33.66) | 54.68(53.00-56.39) | 49.10(47.54-50.70) | 46.52(45.03-48.04) | 42.39(40.99-43.83) | 26.70(25.47-27.98) | 26.07(24.85-27.32) | 23.94(22.80-25.12) | 24.32(23.15-25.53) |
|  | Q5 | 31.77(30.95-32.61) | 28.62(27.85-29.40) | 27.56(26.82-28.32) | 26.23(25.50-26.97) | 43.47(42.10-44.87) | 38.58(37.31-39.87) | 36.35(35.15-37.57) | 33.83(32.70-34.98) | 22.87(21.84-23.94) | 21.17(20.20-22.19) | 21.03(20.05-22.03) | 20.97(19.96-22.01) |
| Inequality |  |  |  |  |  |  |  |  |  |  |  |  |
| SII | 24.20(22.39-26.02) | 24.83(23.09-26.59) | 29.37(27.63-31.15) | 26.97(25.30-28.66) | 39.31(36.28-42.38) | 39.13(36.32-41.96) | 44.47(41.65-47.32) | 43.67(40.95-46.42) | 7.82(5.69-10.03) | 8.78(6.67-10.97) | 12.80(10.62-15.03) | 8.79(6.69-10.93) |
| RII | 1.85(1.77-1.95) | 1.99(1.89-2.09) | 2.32(2.20-2.45) | 2.24(2.12-2.37) | 2.07(1.95-2.20) | 2.23(2.09-2.37) | 2.59(2.42-2.77) | 2.71(2.53-2.91) | 1.36(1.25-1.48) | 1.43(1.31-1.57) | 1.71(1.56-1.88) | 1.45(1.32-1.59) |
| RD (Q1-Q5) | 5.41 | 7.68 | 10.91 | 8.51 | 14.78 | 17.58 | 20.48 | 18.70 | -2.82 | -1.42 | 1.77 | -1.06 |
| RR (Q1/Q5) | 1.17  | 1.27  | 1.40  | 1.32  | 1.34  | 1.46  | 1.56  | 1.55  | 0.88  | 0.93  | 1.08  | 0.95  |

Supplementary Material 5. Annual ASMRs and absolute and relative inequality of ASMRs due to cancer from 2017 to 2020

Values of Q0-Q5 are presented as ASMR per 100,000 population (95% confidence interval).
ASMR, age-standardized mortality rate; SII, slope index of inequality; RII, relative index of inequality; RD, rate difference; RR, rate ratio; Q0, Medicaid beneficiaries; Q1-Q5, quintile of national health insurance premiums