

Table 2 Trends in incidence of hepatitis B (per 100 000 population) by age and gender in Iraq, 2012–2022

| Variable     | 2012 (n) | 2012 rate | 2022 (n) | 2022 rate | Overall APC (%) | 95% CI          | Trend 1 (years) | APC (%) | 95% CI       | Trend 2 (years) | APC (%) | 95% CI         |
|--------------|----------|-----------|----------|-----------|-----------------|-----------------|-----------------|---------|--------------|-----------------|---------|----------------|
| 0–4 years    | 62       | 1.3       | 4        | 0.06      | 3.6             | -15.8 to 27.7   | 2012–2017       | 32.4 *  | 8.7, 94.3    | 2017–2022       | -41.1 * | -84.5 to -20.7 |
| 5–14 years   | 282      | 3.2       | 108      | 0.99      | -2.1            | -12.9 to 10.2   | 2012–2014       | 73.0 *  | 33.4, 141.8  | 2014–2022       | -10.8 * | -21.4 to -7.6  |
| 15–44 years  | 2084     | 13.3      | 521      | 2.7       | 6.4             | -8.1 to 23.3    | 2012–2016       | 44.7 *  | 13.8, 135.2  | 2016–2022       | -18.9 * | -59.4 to -3.5  |
| ≥ 45 years   | 892      | 18.2      | 646      | 10.7      | 10.3            | -4.4 to 24.9    | 2012–2015       | 52.9    | -18.8, 173.9 | 2015–2022       | -2.6    | -18.8 to 16.9  |
| Male         | 2074     | 11.9      | 9.8      | 3.7       | 13.8 *          | -19.04 to -9.95 | 2012–2020       | -15.7 * | -19.7, 11.5  | 2020–2022       | -1.2    | -47.2 to 84.7  |
| Female       | 1248     | 7.4       | 499      | 2.4       | -14.9 *         | -21.8 to -9.4   | 2012–2014       | 0.45    | -40.3, 69.0  | 2014–2022       | -17.5 * | -23.8 to -10.6 |
| Both genders | 3322     | 9.7       | 1279     | 3.0       | -14.7 *         | -21.4 to -9.4   | 2012–2014       | -5.6    | -42.7, 55.4  | 2014–2022       | -16.3 * | -22.5 to -9.6  |

APC = Annual percent change; CI = confidence interval; n = number of confirmed cases.

(\*) indicates statistically significant change ( $P < 0.05$ )