



|  | 2019 SCORE  | 2021 SCORE  | 2021 GLOBAL AVERAGE |
|--|-------------|-------------|---------------------|
| <b>PREVENTION</b>                                    | <b>17.5</b> | <b>17.5</b> | <b>28.4</b>         |
| Antimicrobial resistance (AMR)                       | 33.3        | 33.3        | 45.3                |
| Zoonotic disease                                     | 17.6        | 17.5        | 19.8                |
| Biosecurity  | 4           | 4           | 18.7                |
| Biosafety  | 0           | 0           | 20.9                |
| Dual-use research and culture of responsible science | 0           | 0           | 2.6                 |
| Immunization   | 50          | 50          | 63.3                |
| <b>DETECTION AND REPORTING</b>                       | <b>27.5</b> | <b>31.7</b> | <b>32.3</b>         |
| Laboratory systems strength and quality              | 37.5        | 62.5        | 44.9                |
| Laboratory supply chains                             | 0           | 0           | 15.9                |
| Real-time surveillance and reporting                 | 37.5        | 37.5        | 34.6                |
| Surveillance data accessibility and transparency     | 40          | 40          | 34.7                |
| Case-based investigation                             | 0           | 0           | 16.9                |
| Epidemiology workforce                               | 50          | 50          | 46.5                |
| <b>RAPID RESPONSE</b>                                | <b>35.9</b> | <b>28.5</b> | <b>37.6</b>         |
| Emergency preparedness and response planning         | 4.2         | 20.8        | 30.4                |
| Exercising response plans                            | 12.5        | 25          | 21.1                |
| Emergency response operation                         | 33.3        | 33.3        | 27                  |
| Linking public health and security authorities       | 0           | 0           | 22.1                |
| Risk communication                                   | 50          | 25          | 57.9                |
| Access to communications infrastructure              | 51.2        | 45.6        | 65.7                |
| Trade and travel restrictions                        | 100         | 50          | 39                  |

Scores are normalized (0–100, where 100 = most favorable)

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| <b>HEALTH SYSTEM</b>   | <b>15.8</b> | <b>15.8</b> | <b>31.5</b>         |
| Health capacity in clinics, hospitals, and community care centers        | 0.5         | 0.5         | 30                  |
| Supply chain for health system and healthcare workers                    | 5.6         | 5.6         | 28.5                |
| Medical countermeasures and personnel deployment                         | 0           | 0           | 10.3                |
| Healthcare access  | 54.2        | 54.2        | 55.2                |
| Communications with health-care workers during a public health emergency | 0           | 0           | 10.8                |
| Infection control practices  | 0           | 0           | 40.5                |
| Capacity to test and approve new medical countermeasures                 | 50          | 50          | 45.1                |
| <b>COMPLIANCE WITH INTERNATIONAL NORMS</b>                               | <b>52.6</b> | <b>52.6</b> | <b>47.8</b>         |
| IHR reporting compliance and disaster risk reduction                     | 50          | 50          | 58.5                |
| Cross-border agreements on public and health emergency response          | 100         | 100         | 50                  |
| International commitments  | 40.6        | 40.6        | 56.1                |
| JEE and PVS  | 25          | 25          | 18.7                |
| Financing  | 33.3        | 33.3        | 35.2                |
| Commitment to sharing of genetic and biological data and specimens       | 66.7        | 66.7        | 68.4                |
| <b>RISK ENVIRONMENT</b>  | <b>36.1</b> | <b>36.6</b> | <b>55.8</b>         |
| Political and security risk  | 59.4        | 58.2        | 58.1                |
| Socio-economic resilience  | 33.3        | 33.6        | 60.9                |
| Infrastructure adequacy  | 16.7        | 16.7        | 50.2                |
| Environmental risks  | 45.1        | 47.7        | 54.7                |
| Public health vulnerabilities  | 26.2        | 26.7        | 55.3                |