



| | 2019 SCORE | 2021 SCORE | 2021 GLOBAL AVERAGE |
|--|-------------|-------------|---------------------|
| PREVENTION | 10.8 | 18.7 | 28.4 |
| Antimicrobial resistance (AMR) | 8.3 | 50 | 45.3 |
| Zoonotic disease | 2.3 | 8 | 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 |
| DETECTION AND REPORTING | 37.9 | 37.9 | 32.3 |
| Laboratory systems strength and quality | 50 | 50 | 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 | 100 | 100 | 46.5 |
| RAPID RESPONSE | 38.4 | 38.3 | 37.6 |
| Emergency preparedness and response planning | 37.5 | 54.2 | 30.4 |
| Exercising response plans | 0 | 25 | 21.1 |
| Emergency response operation | 33.3 | 33.3 | 27 |
| Linking public health and security authorities | 0 | 0 | 22.1 |
| Risk communication | 41.7 | 54.2 | 57.9 |
| Access to communications infrastructure | 56 | 51.5 | 65.7 |
| Trade and travel restrictions | 100 | 50 | 39 |

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|--|-------------|-------------|---------------------|
| HEALTH SYSTEM | 21.6 | 22 | 31.5 |
| Health capacity in clinics, hospitals, and community care centers | 19.8 | 19.8 | 30 |
| Supply chain for health system and healthcare workers | 27.8 | 27.8 | 28.5 |
| Medical countermeasures and personnel deployment | 0 | 0 | 10.3 |
| Healthcare access | 53.4 | 56.4 | 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 |
| COMPLIANCE WITH INTERNATIONAL NORMS | 42.2 | 44.1 | 47.8 |
| IHR reporting compliance and disaster risk reduction | 50 | 50 | 58.5 |
| Cross-border agreements on public and health emergency response | 50 | 50 | 50 |
| International commitments | 28.1 | 31.3 | 56.1 |
| JEE and PVS | 25 | 25 | 18.7 |
| Financing | 33.3 | 41.7 | 35.2 |
| Commitment to sharing of genetic and biological data and specimens | 66.7 | 66.7 | 68.4 |
| RISK ENVIRONMENT | 45.9 | 47.6 | 55.8 |
| Political and security risk | 60.3 | 56.2 | 58.1 |
| Socio-economic resilience | 47.7 | 47.6 | 60.9 |
| Infrastructure adequacy | 33.3 | 41.7 | 50.2 |
| Environmental risks | 43.4 | 46.1 | 54.7 |
| Public health vulnerabilities | 44.9 | 46.5 | 55.3 |

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