



| | 2019 SCORE | 2021 SCORE | 2021 GLOBAL AVERAGE |
|--|-------------|-------------|---------------------|
| PREVENTION | 60 | 57.8 | 28.4 |
| Antimicrobial resistance (AMR) | 91.7 | 91.7 | 45.3 |
| Zoonotic disease | 45.4 | 32 | 19.8 |
| Biosecurity | 48 | 48 | 18.7 |
| Biosafety | 100 | 100 | 20.9 |
| Dual-use research and culture of responsible science | 0 | 0 | 2.6 |
| Immunization | 75 | 75 | 63.3 |
| DETECTION AND REPORTING | 61.3 | 57.1 | 32.3 |
| Laboratory systems strength and quality | 87.5 | 87.5 | 44.9 |
| Laboratory supply chains | 50 | 50 | 15.9 |
| Real-time surveillance and reporting | 62.5 | 37.5 | 34.6 |
| Surveillance data accessibility and transparency | 80 | 80 | 34.7 |
| Case-based investigation | 37.5 | 37.5 | 16.9 |
| Epidemiology workforce | 50 | 50 | 46.5 |
| RAPID RESPONSE | 70.7 | 58.2 | 37.6 |
| Emergency preparedness and response planning | 58.3 | 58.3 | 30.4 |
| Exercising response plans | 37.5 | 25 | 21.1 |
| Emergency response operation | 33.3 | 33.3 | 27 |
| Linking public health and security authorities | 100 | 100 | 22.1 |
| Risk communication | 83.3 | 83.3 | 57.9 |
| Access to communications infrastructure | 82.4 | 82.7 | 65.7 |
| Trade and travel restrictions | 100 | 25 | 39 |

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|--|-------------|-------------|---------------------|
| HEALTH SYSTEM | 67 | 66.7 | 31.5 |
| Health capacity in clinics, hospitals, and community care centers | 38.6 | 36.7 | 30 |
| Supply chain for health system and healthcare workers | 44.4 | 44.4 | 28.5 |
| Medical countermeasures and personnel deployment | 50 | 50 | 10.3 |
| Healthcare access | 86 | 86 | 55.2 |
| Communications with health-care workers during a public health emergency | 50 | 50 | 10.8 |
| Infection control practices | 100 | 100 | 40.5 |
| Capacity to test and approve new medical countermeasures | 100 | 100 | 45.1 |
| COMPLIANCE WITH INTERNATIONAL NORMS | 67.5 | 68.1 | 47.8 |
| IHR reporting compliance and disaster risk reduction | 100 | 100 | 58.5 |
| Cross-border agreements on public and health emergency response | 100 | 100 | 50 |
| International commitments | 96.9 | 100 | 56.1 |
| JEE and PVS | 0 | 0 | 18.7 |
| Financing | 41.7 | 41.7 | 35.2 |
| Commitment to sharing of genetic and biological data and specimens | 66.7 | 66.7 | 68.4 |
| RISK ENVIRONMENT | 79.6 | 80.2 | 55.8 |
| Political and security risk | 80.9 | 81.6 | 58.1 |
| Socio-economic resilience | 98.6 | 98.6 | 60.9 |
| Infrastructure adequacy | 91.7 | 91.7 | 50.2 |
| Environmental risks | 50.1 | 52.5 | 54.7 |
| Public health vulnerabilities | 76.7 | 76.5 | 55.3 |

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