



PREVENT



DETECT



RESPOND



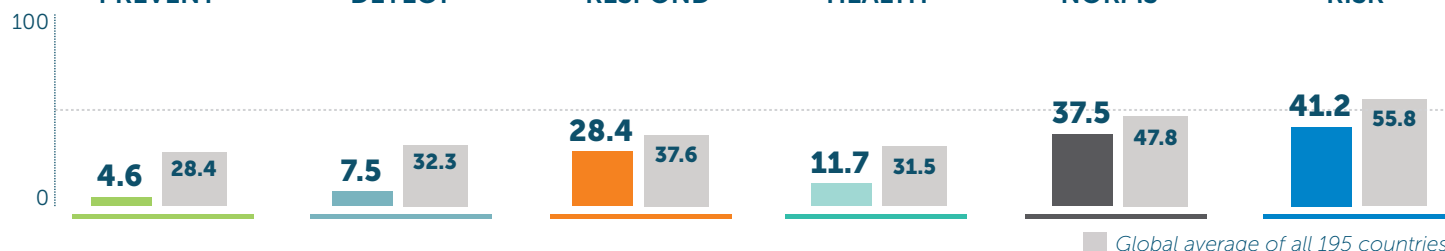
HEALTH



NORMS



RISK



|  | 2019 SCORE  | 2021 SCORE  | 2021 GLOBAL AVERAGE |
|--|-------------|-------------|---------------------|
| <b>PREVENTION</b>                                    | <b>3.2</b>  | <b>4.6</b>  | <b>28.4</b>         |
| Antimicrobial resistance (AMR)                       | 8.3         | 16.7        | 45.3                |
| Zoonotic disease                                     | 6.7         | 6.7         | 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   | 0           | 0           | 63.3                |
| <b>DETECTION AND REPORTING</b>                       | <b>3.3</b>  | <b>7.5</b>  | <b>32.3</b>         |
| Laboratory systems strength and quality              | 0           | 0           | 44.9                |
| Laboratory supply chains                             | 0           | 0           | 15.9                |
| Real-time surveillance and reporting                 | 0           | 25          | 34.6                |
| Surveillance data accessibility and transparency     | 20          | 20          | 34.7                |
| Case-based investigation                             | 0           | 0           | 16.9                |
| Epidemiology workforce                               | 0           | 0           | 46.5                |
| <b>RAPID RESPONSE</b>                                | <b>27.9</b> | <b>28.4</b> | <b>37.6</b>         |
| Emergency preparedness and response planning         | 0           | 20.8        | 30.4                |
| Exercising response plans                            | 0           | 0           | 21.1                |
| Emergency response operation                         | 0           | 0           | 27                  |
| Linking public health and security authorities       | 0           | 0           | 22.1                |
| Risk communication                                   | 25          | 50          | 57.9                |
| Access to communications infrastructure              | 70.1        | 77.9        | 65.7                |
| Trade and travel restrictions                        | 100         | 50          | 39                  |

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

|  | 2019 SCORE  | 2021 SCORE  | 2021 GLOBAL AVERAGE |
|--|-------------|-------------|---------------------|
| <b>HEALTH SYSTEM</b>   | <b>9.3</b>  | <b>11.7</b> | <b>31.5</b>         |
| Health capacity in clinics, hospitals, and community care centers        | 11.2        | 11.2        | 30                  |
| Supply chain for health system and healthcare workers                    | 0           | 16.7        | 28.5                |
| Medical countermeasures and personnel deployment                         | 0           | 0           | 10.3                |
| Healthcare access  | 53.6        | 53.7        | 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                 | 0           | 0           | 45.1                |
| <b>COMPLIANCE WITH INTERNATIONAL NORMS</b>                               | <b>35.4</b> | <b>37.5</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          | 50          | 50          | 50                  |
| International commitments  | 37.5        | 25          | 56.1                |
| JEE and PVS  | 0           | 25          | 18.7                |
| Financing  | 8.3         | 8.3         | 35.2                |
| Commitment to sharing of genetic and biological data and specimens       | 66.7        | 66.7        | 68.4                |
| <b>RISK ENVIRONMENT</b>  | <b>40.5</b> | <b>41.2</b> | <b>55.8</b>         |
| Political and security risk  | 60.7        | 61.8        | 58.1                |
| Socio-economic resilience  | 49.1        | 49          | 60.9                |
| Infrastructure adequacy  | 16.7        | 16.7        | 50.2                |
| Environmental risks  | 41.9        | 44.3        | 54.7                |
| Public health vulnerabilities  | 34.2        | 34          | 55.3                |