



■ Global average of all 195 countries

	2019 SCORE	2021 SCORE	2021 GLOBAL AVERAGE
<b>PREVENTION</b>	<b>75</b>	<b>79.3</b>	<b>28.4</b>
Antimicrobial resistance (AMR)	75	83.3	45.3
Zoonotic disease	32	49.7	19.8
Biosecurity	76	76	18.7
Biosafety	100	100	20.9
Dual-use research and culture of responsible science	66.7	66.7	2.6
Immunization	100	100	63.3
<b>DETECTION AND REPORTING</b>	<b>67.9</b>	<b>69.6</b>	<b>32.3</b>
Laboratory systems strength and quality	62.5	62.5	44.9
Laboratory supply chains	50	50	15.9
Real-time surveillance and reporting	50	50	34.6
Surveillance data accessibility and transparency	70	80	34.7
Case-based investigation	75	75	16.9
Epidemiology workforce	100	100	46.5
<b>RAPID RESPONSE</b>	<b>72.6</b>	<b>56.3</b>	<b>37.6</b>
Emergency preparedness and response planning	41.7	41.7	30.4
Exercising response plans	37.5	25	21.1
Emergency response operation	66.7	66.7	27
Linking public health and security authorities	100	100	22.1
Risk communication	83.3	83.3	57.9
Access to communications infrastructure	79.1	77.6	65.7
Trade and travel restrictions	100	0	39

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

	2019 SCORE	2021 SCORE	2021 GLOBAL AVERAGE
<b>HEALTH SYSTEM</b>	<b>55</b>	<b>58.8</b>	<b>31.5</b>
Health capacity in clinics, hospitals, and community care centers	35.4	52	30
Supply chain for health system and healthcare workers	72.2	83.3	28.5
Medical countermeasures and personnel deployment	50	50	10.3
Healthcare access	52.2	51.6	55.2
Communications with health-care workers during a public health emergency	0	0	10.8
Infection control practices	100	100	40.5
Capacity to test and approve new medical countermeasures	75	75	45.1
<b>COMPLIANCE WITH INTERNATIONAL NORMS</b>	<b>58.7</b>	<b>59.2</b>	<b>47.8</b>
IHR reporting compliance and disaster risk reduction	100	100	58.5
Cross-border agreements on public and health emergency response	50	50	50
International commitments	43.8	46.9	56.1
JEE and PVS	25	25	18.7
Financing	66.7	66.7	35.2
Commitment to sharing of genetic and biological data and specimens	66.7	66.7	68.4
<b>RISK ENVIRONMENT</b>	<b>50.3</b>	<b>47.6</b>	<b>55.8</b>
Political and security risk	47	38.9	58.1
Socio-economic resilience	73.6	65.3	60.9
Infrastructure adequacy	33.3	33.3	50.2
Environmental risks	44	46.8	54.7
Public health vulnerabilities	53.5	53.5	55.3