

Supplementary Table S1: A Heuristic: Four Dimensions of Classification of Shocks to a Health System

Dimension 1	Time	Dimension 2	Expansion	Dimension 3	Origin	Dimension 4	Impact
Onset	Rapid Slow	Human being	Systematically Locally	Creature	Human Plant Animal Microbe / Virus	People	Individual Population Patients Staff
Occurrence	Complete Gradual	Geographical	Local Regional National Continental Global	Particle	Non-synthetic Synthetic	Non-human life	Animal/Species Plant
Continuity	Acute Chronic	Elemental	Air Water Terra Ice Vapor	Nature	Air Water Terra Ice Vapor	Infrastructure	Technical Logistical Medical Non-Medical Pharmaceutical
						Systems	Society Political Health