

Summary table of main characteristics of the resilience frameworks identified in the literature review

	Focus	Geographic context	Phases	Structuring components
Chamberland-Rowe et al. (2019)	undefined health system instabilities	worldwide	1) pre-impetus 2) peri-impetus 3) post-impetus	<ul style="list-style-type: none"> • inputs • mediators • outputs
Gibson et al. (2012)	public health emergencies	USA	1) pre-incident 2) incident 3) post-incident	<ul style="list-style-type: none"> • prepare • manage • monitor • investigate • intervene • recover
Haldane et al. (2021)	infectious diseases – COVID 19	worldwide	no explicit definition of phases	<ul style="list-style-type: none"> • governance and financing • health workforce • medical products and technologies • public health functions • health service delivery • community engagement
Holloway et al. (2014)	infectious diseases – influenza pandemics	USA	1) investigation 2) recognition 3) initiation 4) acceleration 5) deceleration 6) preparation	<ul style="list-style-type: none"> • incident management • surveillance and epidemiology • laboratory • community mitigation • medical care and countermeasures • vaccine • risk communications • state/local coordination
Khan et al. (2018)	public health emergencies	Canada	no explicit definition of phases	<ul style="list-style-type: none"> • governance and leadership • planning process • collaborative networks • community engagement • risk analysis • surveillance and monitoring • practice and experience • resources • workforce capacity • communication • learning and evaluation
McCabe et al. (2010)	public health emergencies	USA	no explicit definition of phases	<ul style="list-style-type: none"> • ready • willing • able

Stoto et al. (2017)	public health emergencies	Europe	no explicit definition of phases	<ul style="list-style-type: none"> • capacities • response capabilities • objectives
Thomas et al. (2020)	undefined shock	Europe	<p>4-stage shock cycle:</p> <ol style="list-style-type: none"> 1) preparedness 2) onset and alert 3) shock impact and management 4) recovery and learning 	<ul style="list-style-type: none"> • governance • financing • resources • service delivery
World Health Organization (2017)	health emergencies	worldwide	<p>4-stage cycle:</p> <ol style="list-style-type: none"> 1) assessing risks and capacity 2) planning 3) implementing 4) evaluating and correction 	<ul style="list-style-type: none"> • governance • capacities • resources
World Health Organization (2019)	health emergencies and disasters	worldwide	no explicit definition of phases	<ul style="list-style-type: none"> • policies, strategies and legislation • planning and coordination • human resources • financial resources • information and knowledge management • risk communications • health infrastructure and logistics • health and related services • community capacities for health EDRM • monitoring and evaluation

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