

Table 4. Pandemic PACT research categories and subcategories.

Broad Research Categories	Research Sub-categories
1. Pathogen: natural history, transmission and diagnostics	a. Diagnostics
	b. Pathogen morphology, shedding & natural history
	c. Pathogen genomics, mutations and adaptations
	d. Immunity
	e. Disease models
	f. Environmental stability of pathogen
	g. N/A
	h. Unspecified
2. Animal and environmental research and research on diseases vectors	a. Animal source and routes of transmission
	b. Vector biology
	c. Vector control strategies
	d. N/A
	e. Unspecified
3. Epidemiological studies	a. Disease transmission dynamics
	b. Disease susceptibility
	c. Impact/ effectiveness of control measures
	d. Disease surveillance & mapping
	e. N/A
	f. Unspecified
4. Clinical characterisation and management	a. Prognostic factors for disease severity
	b. Disease pathogenesis
	c. Supportive care, processes of care and management
	d. Post acute and long-term health consequences
	e. Clinical trials for disease management
	f. N/A
	g. Unspecified
5. Infection prevention and control	a. Restriction measures to prevent secondary transmission in communities
	b. Barriers, PPE, environmental, animal and vector control measures
	c. IPC in health care settings
	d. IPC at the human-animal interface
	e. N/A
	f. Unspecified
6. Therapeutics research, development and implementation	a. Pre-clinical studies
	b. Phase 0 clinical trial
	c. Phase 1 clinical trial
	d. Phase 2 clinical trial
	e. Phase 3 clinical trial
	f. Phase 4 clinical trial
	g. Prophylactic use of treatments & Repurposed drugs
	h. Clinical trial (unspecified trial phase)

7. Vaccines research, development and implementation	i. Therapeutics logistics and supply chains and distribution strategies
	j. Therapeutic trial design
	k. Adverse events associated with therapeutic administration
	l. N/A
	m. Unspecified
	a. Pre-clinical studies
	b. Phase 0 clinical trial
	c. Phase 1 clinical trial
	d. Phase 2 clinical trial
	e. Phase 3 clinical trial
	f. Phase 4 clinical trial
	g. Clinical trial (unspecified trial phase)
	h. Vaccine logistics and supply chains and distribution strategies
	i. Vaccine design and administration
	j. Vaccine trial design and infrastructure
	k. Adverse events associated with immunization
	l. Characterisation of vaccine-induced immunity
	m. N/A
	n. Unspecified
8. Research to inform ethical issues	a. Research to inform ethical issues in Research
	b. Research to inform ethical issues related to Public Health Measures
	c. Research to inform ethical issues in Clinical and Health System Decision-Making
	d. Research to inform ethical issues in the Allocation of Resources
	e. Research to inform ethical issues in Governance
	f. Research to inform ethical issues related to Social Determinants of Health, Trust, and Inequities
	g. N/A
	h. Unspecified
9. Policies for public health, disease control & community resilience	a. Approaches to public health interventions
	b. Community engagement
	c. Communication
	d. Vaccine/Therapeutic/ treatment hesitancy
	e. Policy research and interventions
	f. N/A
	g. Unspecified
10. Secondary impacts of disease, response & control measures	a. Indirect health impacts
	b. Social impacts
	c. Economic impacts
	d. Other secondary impacts

11. Health Systems Research	e. N/A
	f. Unspecified
	a. Health service delivery
	b. Health financing
	c. Medicines, vaccines & other technologies
	d. Health information systems
	e. Health leadership and governance
	f. Health workforce
12. Research on Capacity Strengthening	g. N/A
	h. Unspecified
	a. Individual level capacity strengthening
	b. Institutional level capacity strengthening
	c. Systemic/environmental components of capacity strengthening
	d. Cross-cutting
	e. N/A
	f. Unspecified