

**Annex 1: Search Terms**

ALL results retrieved: 7,024

Duplicates removed: 2,332

References Added Manually: 2

Remaining Articles Retrieved: 4,694

Resilience Concept Articles: 769

Self-Reliance Concept Articles: 3,364

Decolonization Concept Articles: 531

**Tried and Removed terms:** LMIC country names/regions also, "world health", "worldwide health", "capacity building", "self-capacity", independence, "donor independence", institutionalization, graduation, "strategic transition", "developing population", "developing populations", "developing economy", "developing economies", "less developed economy", "less developed economies", "underdeveloped economies", "middle income economy", "middle income economies", "low income economy", "low income economies", "lower income economies", "low gdp", "low gnp", "low gross domestic", "low gross national", "lower gdp", "lower gross domestic", "emerging economies", "emerging nation", "emerging nations", "underdeveloped population", "underdeveloped populations", "middle income population", "middle income populations", "underserved population", "deprived population", "deprived populations", "underserved populations", "under served population", "under served populations", "poor population", "poor populations", "poorer population", "poorer populations", "low income population", "low income populations", "lower income population", "lower income populations"

**PUBMED**

Date Last Searched: 10/06/2020

ALL Results Retrieved: 2,677

Resilience Results Retrieved: 628

Self-Reliance Results Retrieved: 1,697

Decolonizing Results Retrieved: 313

Filters: 2000 – 2020

("Concept formation"[majr] OR ((resilient\*[tiab] OR resilience\*[tiab] OR shock[tiab] OR shocks[tiab] OR coping[tiab] OR adaptation[tiab] OR adaptive[tiab] OR adaptations[tiab] OR responsiveness[tiab]) AND ("health system\*" [tiab])) OR "self reliance"[tiab] OR "Self reliant"[tiab] OR autonomy[tiab] OR Decoloni\*[tiab] OR "white supremac\*" [tiab] OR colonialism[tiab] OR "power imbalanc\*" [tiab] OR authorship\*[ti])

AND

("Global Health"[Majr] OR "global health"[tiab] OR "international health"[tiab] OR "developing countries"[mh] OR "developing country"[tiab] OR "developing countries"[tiab] OR "developing nation"[tiab] OR "developing nations"[tiab] OR "developing world"[tiab] OR "less developed country"[tiab] OR "less developed countries"[tiab] OR "less developed nation"[tiab] OR "less developed nations"[tiab] OR "less developed world"[tiab] OR "lesser developed countries"[tiab] OR "lesser developed nations"[tiab] OR "under developed country"[tiab] OR "under developed countries"[tiab] OR "under developed nations"[tiab] OR "under developed world"[tiab] OR "underdeveloped country"[tiab] OR "underdeveloped countries"[tiab] OR "underdeveloped nation"[tiab] OR "underdeveloped nations"[tiab] OR "underdeveloped world"[tiab] OR "middle income country"[tiab] OR "middle income countries"[tiab] OR "middle income nation"[tiab] OR "middle income nations"[tiab] OR "low income country"[tiab] OR "low income countries"[tiab] OR "low income nation"[tiab] OR "low income nations"[tiab] OR "lower income country"[tiab] OR "lower income countries"[tiab] OR "lower income nations"[tiab] OR "underserved countries"[tiab] OR "underserved nations"[tiab] OR "deprived countries"[tiab] OR "poor country"[tiab] OR "poor countries"[tiab] OR "poor nation"[tiab] OR "poor nations"[tiab] OR "poor world"[tiab] OR "poorer countries"[tiab] OR "poorer nations"[tiab] OR "lmic"[tiab] OR "lmics"[tiab] OR "third world"[tiab] OR "lami country"[tiab] OR "lami countries"[tiab] OR "transitional country"[tiab] OR "transitional countries"[tiab] OR "global north"[tiab] OR "global south"[tiab] OR "government"[mh] OR govern\*[tiab])

**EMBASE**

Date Last Searched: 10/06/2020

ALL Results Retrieved: 2,344

Resilience Results Retrieved: 150

Self-Reliance Results Retrieved: 1,889

Decolonizing Results Retrieved: 271

Filters: 2000 – 2020

'concept formation'/exp/mj OR ((resilient\* OR resilienc\* OR shock OR shocks OR coping OR adaptation OR adaptive OR adaptations OR responsiveness) NEAR/3 ("health system\*")):ti,ab OR "self reliance":ti,ab OR "Self reliant":ti,ab OR autonomy:ti,ab OR Decoloni\*:ti,ab OR "white supremac\*":ti,ab OR colonialism:ti,ab OR "power imbalanc\*":ti,ab OR authorship\*:ti

AND

'global health'/exp/mj OR "global health":ti,ab OR "international health":ti,ab OR 'developing country'/exp/mj OR "developing country":ti,ab OR "developing countries":ti,ab OR "developing nation":ti,ab OR "developing nations":ti,ab OR "developing world":ti,ab OR "less developed country":ti,ab OR "less developed countries":ti,ab OR "less developed nation":ti,ab OR "less developed nations":ti,ab OR "less developed world":ti,ab OR "lesser developed countries":ti,ab OR "lesser developed nations":ti,ab OR "under developed country":ti,ab OR "under developed countries":ti,ab OR "under developed nations":ti,ab OR "under developed world":ti,ab OR "underdeveloped country":ti,ab OR "underdeveloped countries":ti,ab OR "underdeveloped nation":ti,ab OR "underdeveloped nations":ti,ab OR "underdeveloped world":ti,ab OR "middle income country":ti,ab OR "middle income countries":ti,ab OR "middle income nation":ti,ab OR "middle income nations":ti,ab OR "low income country":ti,ab OR "low income countries":ti,ab OR "low income nation":ti,ab OR "low income nations":ti,ab OR "lower income country":ti,ab OR "lower income countries":ti,ab OR "lower income nations":ti,ab OR "underserved countries":ti,ab OR "underserved nations":ti,ab OR "deprived countries":ti,ab OR "poor country":ti,ab OR "poor countries":ti,ab OR "poor nation":ti,ab OR "poor nations":ti,ab OR "poor world":ti,ab OR "poorer countries":ti,ab OR "poorer nations":ti,ab OR "lmic":ti,ab OR "lmics":ti,ab OR "third world":ti,ab OR "lami country":ti,ab OR "lami countries":ti,ab OR "transitional country":ti,ab OR "transitional countries":ti,ab OR "global north":ti,ab OR "global south":ti,ab OR 'government'/exp OR govern\*:ti,ab

#### OVID GLOBAL HEALTH

Date Last Searched: 10/06/2020 ALL Results Retrieved: 2003 Resilience Results Retrieved: 182

Self-Reliance Results Retrieved: 1,579 Decolonizing Results Retrieved: 239 Filters: 2000 – 2020

1. ((resilient\* or resilienc\* or shock or shocks or coping or adaptation or adaptive or adaptations or responsiveness) adj3 "health system\*").ab. or ((resilient\* or resilienc\* or shock or shocks or coping or adaptation or adaptive or adaptations or responsiveness) adj3 "health system\*").ti.
2. ("self reliance" or "Self reliant" or autonomy).ab. or ("self reliance" or "Self reliant" or autonomy).ti.
3. (Decoloni\* or "white supremac\*" or colonialism or "power imbalanc\*").ab. or (Decoloni\* or "white supremac\*" or colonialism or "power imbalanc\*").ti.
4. authorship\*.ti.
5. 3 OR 4
- 6.

("global health" or "international health" or "developing country" or "developing countries" or "developing nation" or "developing nations" or "developing world" or "less developed country" or "less developed countries" or "less developed nation" or "less developed nations" or "less developed world" or "lesser developed countries" or "lesser developed nations" or "under developed country" or "under developed countries" or "under developed nations" or "under developed world" or "underdeveloped country" or "underdeveloped countries" or "underdeveloped nation" or "underdeveloped nations" or "underdeveloped world" or "middle income country" or "middle income countries" or "middle income nation" or "middle income nations" or "low income country" or "low income countries" or "low income nation" or "low income nations" or "lower income country" or "lower income countries" or "lower income nation" or "lower income nations" or "underserved countries" or "underserved nations" or "deprived countries" or "poor country" or "poor countries" or "poor nation" or "poor nations" or "poor world" or "poorer countries" or "poorer nations" or "lmic" or "lmics" or "third world" or "lami country" or "lami countries" or "transitional country" or "transitional countries" or "global north" or "global south" or govern\*).ti. or ("global health" or "international health" or "developing country" or "developing countries" or "developing nation" or "developing nations" or "developing world" or "less developed country" or "less developed countries" or "less developed nation" or "less developed nations" or "less developed world" or "lesser developed countries" or "lesser developed nations" or "under developed country" or "under developed countries" or "under developed nations" or "under developed world" or "underdeveloped country" or "underdeveloped countries" or "underdeveloped nation" or "underdeveloped nations" or "underdeveloped world" or "middle income country" or "middle income countries" or "middle income nation" or "middle income nations" or "low income country" or "low income countries" or "low income nation" or "low income nations" or "lower income country" or "lower income countries" or "lower income nation" or "lower income nations" or "underserved countries" or "underserved nations" or "deprived countries" or "poor country" or "poor countries" or "poor nation" or "poor nations" or "poor world" or "poorer countries" or "poorer nations" or "lmic" or "lmics" or "third world" or "lami country" or "lami countries" or "transitional country" or "transitional countries" or "global north" or "global south" or govern\*).ab.

7. government/
8. Developing Countries/
9. 6 OR 7 OR 8
10. 1 AND 9
11. limit 10 to yr="2000 - 2020"
12. 2 AND 9
13. limit 12 to yr="2000-2020"
14. 5 AND 9
15. limit 14 to yr="2000 - 2020"

16. 1 OR 2 OR 5  
 17. 9 AND 16  
 18. limit 17 to yr="2000 – 2020

**Annex 2: Criteria for Literature Selection**

<i>Concept</i>	<i>Include</i>	<i>For discussion</i>	<i>Exclude</i>
<b>Concept-wide</b>	<ul style="list-style-type: none"> <li>Articles should address power/framing per the theoretical anchor articles and should explicitly refer to the concepts. i.e., describe its origins, measurement, etc.</li> <li>Should be information rich per our evolving research questions</li> </ul>	<ul style="list-style-type: none"> <li>Articles that refer to the concept in the article. The concept is not the main unit of analysis, but the article has substantive discussion or use of it in the article (helps us with framing aspect).</li> </ul>	<ul style="list-style-type: none"> <li>Articles that are outside global health; articles not referring to LMICs</li> <li>Articles that are country specific outside momentum countries</li> </ul>
<b>Self-reliance</b>	<ul style="list-style-type: none"> <li>Articles that specifically focus on or discuss country-led/self-reliance concepts</li> </ul>	<ul style="list-style-type: none"> <li>Articles focused on analyzing reforms/policies/programs, with a focus on or recommendations related to elevating country voices/country-led approaches</li> <li>Articles that focus on self-reliance at 'lower' levels of government that also relate to donor/international programming or global health policy recommendations</li> </ul>	<ul style="list-style-type: none"> <li>Articles using self-reliance in terms of individuals in society, not at the country or systems level</li> <li>Articles focusing measuring responsiveness of the health system to patient preferences</li> <li>Articles in high-income countries</li> </ul>
<b>Resilience</b>	<ul style="list-style-type: none"> <li>Articles that explicitly discuss and/or measure resilience in the context of national health systems, especially in the context of LMICs/ unstable countries and/or global health/development.</li> <li>Ideally, focuses on the term conceptually (how it emerged, how it is understood, critiques, etc) OR an in-depth discussion of how concept manifests/measured within one or more LMIC national contexts</li> </ul>	<ul style="list-style-type: none"> <li>Articles that discuss and/or measure closely related terms (i.e., health systems responsiveness or preparedness)</li> <li>Articles that discuss resilience only in the context of other related developments (i.e., pandemics/shocks or universal health coverage)</li> <li>Those that examine resilience tangentially in the context of a country case study</li> <li>Articles that discuss the concept in HIC contexts only</li> </ul>	<ul style="list-style-type: none"> <li>Articles that only focus on resilience of populations (including health care workers) or sub-national entities (i.e., particular clinics/community initiatives) without explicit discussion of the term in relation to national health system</li> <li>Articles outside of the health sector (i.e., related to climate change)</li> <li>Articles that focus on responsiveness/resilience only with respect to individual behavior/quality of care.</li> </ul>
<b>Decolonization and Increasing Country Voice</b>	<ul style="list-style-type: none"> <li>Articles explicitly about decolonization, especially as it concerns elevating or increasing country voices within global health</li> </ul>	<ul style="list-style-type: none"> <li>Article explicitly uses an anti-racist or decolonizing approach in its approach or explicitly engages with this concept in the recommendations section</li> <li>Article refers to concepts related to 'elevating or increasing country voices' and relates that back to power/systemic structures (whether colonial or otherwise)</li> <li>The article is about authorship representation, with a specific focus on LMIC/geographic analysis of authors</li> </ul>	<ul style="list-style-type: none"> <li>Article mentions colonialism (e.g. as a structural determinant, root cause, historical legacy) but does not engage in anti-colonialist thought</li> <li>Article is outside the health sector</li> <li>Article focuses on indigenous persons and/or applies a decolonizing approach in high-income countries only (e.g. USA, Australia, Canada)</li> <li>Article focuses on power relations between medical volunteers/student volunteers/medical volunteering trips not health systems programs/policies/technical assistance</li> <li>Article is not on the topic of decolonization or increasing/elevating country voices</li> </ul>

**Annex 3: Articles remaining after the title and abstract review**

<i>Concept</i>	<i>Include</i>	<i>For discussion</i>	<i>Exclude</i>
<i>Self-reliance</i>	25	38	3,454
<i>Resilience</i>	45	51	669
<i>Increasing Country Voice/Decolonization</i>	21	58	423

**Annex 4:** Extraction Form

Extracted data	Description of the data needs to be extracted
<i>Study characteristics</i>	
Author	Last name of first author
Year	Article publication year
Title	Title of the article
Article Type	<ul style="list-style-type: none"> <li>• Peer review - original research</li> <li>• Peer review - literature review</li> <li>• Peer review - commentary, editorial, perspective</li> <li>• Gray - blog</li> <li>• Gray - organizational report</li> <li>• Gray - organization materials</li> <li>• Other</li> </ul>
Author Background	<ul style="list-style-type: none"> <li>• LMIC academic</li> <li>• HIC academic</li> <li>• HIC first author + LMIC collaborators</li> <li>• LMIC implementing partner/practitioner</li> <li>• HIC implementing partner/practitioner</li> <li>• LMIC author in HIC organization</li> <li>• US Government</li> <li>• Other</li> </ul>
<i>Definition</i>	
Objective	
Interpretive	
Further details on definition	
<i>Framing</i>	
Origins	
External positioning	

Extracted data	Description of the data needs to be extracted
Measurement	
<b>Power</b>	
Usage	
Implications for autonomy	
<b>Additional themes</b>	
New themes	
Reviewer notes	
Applicability to other concepts	

**Annex 5: Resilience—Comparison of reformist and transformational perspectives**

	Reformist	Transformational
<b>Diagnostic</b>	<ul style="list-style-type: none"> <li>Inadequate self-reliance and/or health security capacity</li> <li>Predominant shock: Acute and haphazard (infectious disease outbreaks) shocks</li> </ul>	<ul style="list-style-type: none"> <li>Structural crises weakening system</li> <li>Predominant shock: Chronic shocks and caused by actor choices</li> </ul>
<b>Prognostic</b>	<ul style="list-style-type: none"> <li>Technocratic/Formulaic</li> <li>Hardware elements prioritized (such as infrastructure and finances)</li> <li>Outcome: Stabilize health system (i.e., maintain, absorb, bounce back)</li> <li>Plan for catastrophe continuously</li> <li>Engage 'whole of society' with community/individual focus</li> </ul>	<ul style="list-style-type: none"> <li>Political</li> <li>Software elements prioritized (such as power relations, leadership capacity, and norms)</li> <li>Outcome: Transform underpinnings of health system</li> <li>Plan for catastrophe is not paramount (stymies bold vision)</li> <li>Engage actors so onus of burden not placed on least powerful</li> </ul>
Rationale	<ul style="list-style-type: none"> <li>Values equal engagement across various stakeholders and communities impacted</li> </ul>	<ul style="list-style-type: none"> <li>Puts responsibility on most powerful</li> </ul>

**Annex 6: Self-Reliance—Comparison of reformist and transformational perspectives**

	Reformist	Transformational
<b>Diagnostic</b>	<ul style="list-style-type: none"> <li>Emphasis on national system: Points to low domestic spending, lack of capacity, dependence on external resources</li> </ul>	<ul style="list-style-type: none"> <li>Emphasis on global system: Points to structural inequalities, liberal capitalist models of development, and power imbalances</li> </ul>
<b>Prognostic</b>	Emphasizes working within the existing system, including: <ul style="list-style-type: none"> <li>Country ownership in project design &amp; implementation</li> <li>Localization of funding, sub-awards</li> </ul>	Emphasizes an overhaul of the existing system and uprooting of entrenched power dynamics, including: <ul style="list-style-type: none"> <li>Redefining terms of trade (historical)</li> </ul>

	<ul style="list-style-type: none"> <li>• Domestic resource mobilization</li> <li>• Private sector engagement</li> <li>• Commitment from country actors</li> <li>• All stakeholders – donors, partners, governments, communities – have a role</li> </ul>	<ul style="list-style-type: none"> <li>• Country strategies focusing on national leadership (today)</li> </ul>
<b>Rationale</b>	<ul style="list-style-type: none"> <li>• LMIC actors in the “driver’s seat” but role for HIC actors re: building capacity and accountability</li> </ul>	<ul style="list-style-type: none"> <li>• Unless fully dictated by LMICs, HIC actors can’t have role, especially not one that detracts from a LMIC’s agency</li> </ul>

**Annex 7: Increasing Country Voice—Comparison of reformist and transformational perspectives**

	<b>Reformist</b>	<b>Transformational</b>
<b>Diagnostic</b>	<ul style="list-style-type: none"> <li>• Inadequate infrastructure/capacity in LMICs</li> <li>• Non-inclusive global health governance and suppressed LMIC voices in global health agenda setting</li> </ul>	<ul style="list-style-type: none"> <li>• Systemic problem of hierarchization of humanity and health systems</li> <li>• Exploitative neoliberalism</li> </ul>
<b>Prognostic</b>	<ul style="list-style-type: none"> <li>• Partnering with local actors to strengthen local capacity</li> <li>• Better representation</li> <li>• Shift decision-making locus to LMIC offices but still within the donor/implementing partner’s domain</li> </ul>	<ul style="list-style-type: none"> <li>• Rectify power asymmetry in health research and healthcare</li> <li>• Decolonize global health curriculum</li> <li>• Local investment—directed locally—in health programs</li> </ul>
<b>Rationale</b>	<ul style="list-style-type: none"> <li>• HIC donors and actors bear responsibility to provide space and resources to LMIC actors to engage</li> </ul>	<ul style="list-style-type: none"> <li>• HIC donors and actors bear responsibility to ‘lean out’ , stop reproducing racist and colonialist ideologies, and fundamentally transform perspective on global health work</li> </ul>