

Article title: Pathways to Universal Health Coverage: A Qualitative Comparative Analysis of Effective Development Cooperation Principles in Fragile and Conflict-Affected States

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Supplementary file 1. Search Strategy

Table S1.1: Full data set (uncalibrated)

Country	align	Partners coordinate	National coordination	budget	National M&E	Joint TA	uhc
1. Afghanistan	3	3	3	2	3	2	40.9
2. Burundi	4	4	3	4	3	3	41.5
3. Chad	4	3	2	3	4	4	29.4
4. Comoros	5	4	4	4	3	3	48.1
5. DRC	5	5	4	5	4	3	41.7
6. Eritrea	5	5	5	5	5	3	44.9
7. Ethiopia	4	4	5	4	5	4	35.1
8. Haiti	3	2	2	2	2	2	54.1
9. Mali	4	4	5	4	5	5	41.3
10. Mozambique	4	3	3	3	2	3	44.0
11. Niger	4	4	4	4	3	4	35.0
12. Nigeria	4	4	4	4	4	4	38.4
13. Somalia	3	2	1	2	2	2	26.8
14. South Sudan	3	3	4	4	4	2	34.2
15. Syrian Arab Republic	4	4	3	3	4	4	64.1
16. Yemen	3	3	1	2	1	4	42.5
17. Zimbabwe	4	4	3	3	3	5	55.0

Table S1.2: Sufficiency and Necessity Analysis of negative outcome and negative conditions

Condition	Necessity analysis		Sufficiency analysis	
	<i>Consistency</i>	<i>Coverage</i>	<i>Consistency</i>	<i>Coverage</i>
~Align	1.000	0.429	0.429	1.000
~Partners coordinate	1.000	0.400	0.400	1.000
~National coordination	0.833	0.357	0.357	0.833
~Budget	1.000	0.400	0.400	1.000
~National M&E	0.833	0.357	0.357	0.833
~Joint TA	1.000	0.400	0.400	1.000

Interpretation:

The negative conditions on alignment, partners coordinate, budget and Joint TA have consistency of 1 with ~UHC. Their necessity coverage is low.

No single condition in the negated form is sufficient for the attainment of the negated UHC.

Table S1.3: Truth table

OUT: output value

n: number of cases in configuration

incl: sufficiency inclusion score

PRI: proportional reduction in inconsistency

	alignment.cr	coordinate.cr	coordinationmech.cr	budget.cr	nationalme.cr	jointa.cr	OUT	n	incl	PRI	cases
3	0	0	0	0	0	1	1	1	1.000	1.000	17
8	0	0	1	0	1	1	1	1	1.000	1.000	9
33	1	0	0	0	0	0	1	1	1.000	1.000	4
57	1	1	0	1	0	0	1	1	1.000	1.000	5
62	1	1	1	1	1	0	1	1	1.000	1.000	6
1	0	0	0	0	0	0	0	11	0.545	0.545	1,2,3,8,10,11,12,13,14,15,16
6	0	0	1	0	1	0	0	1	0.000	0.000	7

Interpretation of the truth table:

While there could be 64 possible configurations (2^6), our dataset had 5 configurations leading to the outcome, 2 linked to lack of the outcome, and the rest of the configurations were not present within our dataset.