

# What we Learnt in Pelotas and How did we apply for Afghanistan Data

## Equity and Coverage

### *Afghanistan Participants:*

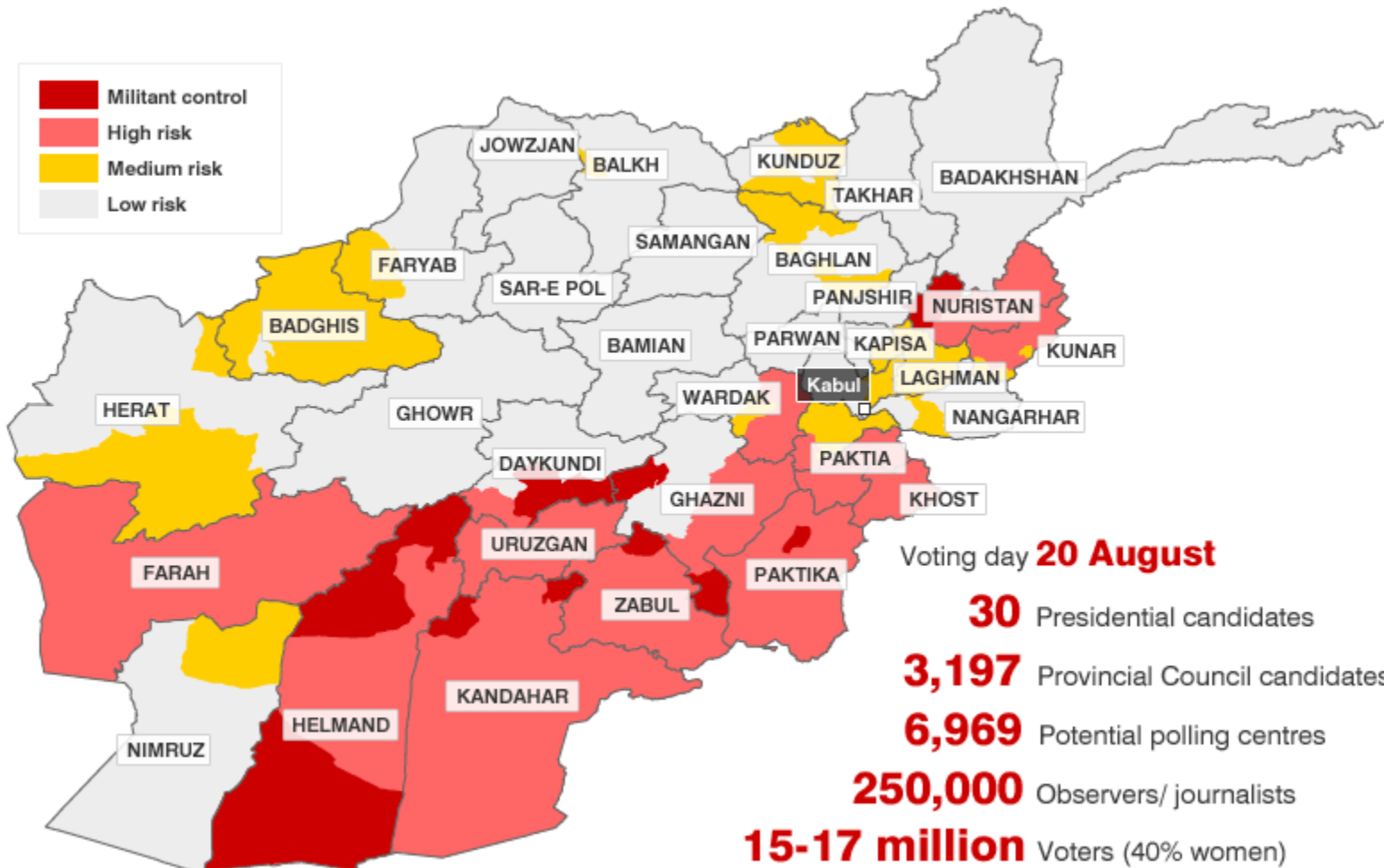
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### Acknowledgement:

Mrs. Arzumand Rizvi & Zaid Shakoor Bhatti, AKU  
Cesor Victora, Aluiso, Yvon & all Facilitators

# Location of Afghanistan and Security Risks

AFGHANISTAN



SOURCE: Afghan Interior Ministry/Reuters

# Lesson learned 1

- Simplicity, Punctuality and Hospitality
- Introduction to Countdown:  
General Introduction and In-Depth Country Case Studies
- Review of Niger case study
- Source of Data such as MICS and DHS and their Quality  
**Assessment** (Design, sampling techniques, geographic coverage data collection techniques, monitoring and other quality issues)
- Learn about Countdown Coverage Indicators
- We did mapping of our national surveys

# Mapping of the Data Source

	AHS 2007	AHS2012	NNS 2004	MICS 2003	MICS 2010	AMS 2010	NRVA 2012	NRVA 2007
Intervention definition								
Maternal and newborn health								
Skilled attendant at birth*	Table 5.9 page 45	Table 4.7 matches, page 22	Absent	pg 2 report	RH9 yes	table 4.9, page 79		page84, no table
Treatment of HIV*	Absent	Absent	Absent	Absent	no			absent
Prevention of mother-to-child transmission of HIV*	Absent	Absent	Absent	Absent	no			absent
Antenatal care (at least one visit)	Table 5.3 page 38	Table 4.3, page 17	Absent	Pg 3 report	RH6 yes	table 4, page 64 ( by nurse, midwife, doctor)		page84, no table
Antenatal care (four or more visits)*	Absent	Absent	Absent	Absent	RH7 yes	table 44, 71		absent
Demand for family planning satisfied*	Absent	Absent	Absent	Absent	RH4 yes	absent		page 83, no table
Intermittent preventive treatment for malaria during pregnancy	Absent	Absent	Absent	Absent	no	absent		absent
Caesarean section rate	Absent	Absent	Absent	Absent	RH9 yes	table4.10, page 81		absent
Neonatal tetanus protection	Table 5.5 page 43	table 4.4, page 18	Absent	Absent	CH3	table 4.6, page 74		absent
Postnatal care for mothers	Absent	Absent	Absent	Absent	no	table4.11, page 84 (recalculate)		absent
Postnatal care for babies*	Absent	Absent	Absent	Absent	no	absent		absent
Child health								
Measles immunization coverage	Table 5.10 page 49	Table 4.8, page 25	Absent	pg 10 report	ch2	absent		table8.4, page78 (recalculate add kuchi to rural)
Three doses of combined diphtheria/tetanus/pertussis vaccine immunization coverage (DTP3)*	Table 5.10 page 49	Table 4.8, page 25, PENTA3	Absent	pg 9 report	ch2	absent		table8.4, page78 (recalculate add kuchi to rural)
Three doses of Haemophilus influenzae type B (Hib3) immunization coverage	Absent	Absent	Absent	Absent	no			absent
Careseeking for pneumonia	Absent	Table 4.13, page 32, calculation required to recalculate	Absent	Absent	ch7			absent
Antibiotic treatment for pneumonia	Absent	Absent	Absent	Absent	ch7			absent
Oral rehydration therapy and continued feeding	Absent	Absent	Absent	pg 13 report	ch6			absent
Oral rehydration salts	Absent	Absent	Absent	Absent	ch6			absent
Antimalarial treatment	Absent	Absent	Absent	Absent	no			absent
Insecticide-treated net use	Question 826 page 108	Absent	Absent	Absent	no			absent
Early initiation of breastfeeding	Table 5.12 page 53	Absent	PSiBFed	Absent	nu2			absent
Exclusive breastfeeding (for first six months of life)*	Table 5.12 page 53	Table 4.9, page 27.	Absent	Absent	nu3			table8.6, page81, age is 0-6 months
Introduction of solid, semisolid or soft foods	Table 5.12 page 53(6-9 month)	Table 4.9, page 27. (6-9month)	Absent	Absent	nu6			table8.7, page82, age is 6-9 months
Vitamin A supplementation (two doses)	Table 5.10 page 49(one dose)	Table 4.8, page 25, (one dose only last 6 month)	PViANID	Absent	nu10 (1 dose)			table8.3, page77, only one vitamin A dose exists
Water and sanitation								
Use of an improved drinking water source	Question 203A page 96	Absent	Absent	pg 78 report	ws8 (to calculate)	table22.4, page23		figure 6.8, page63
Use of improved sanitation facilities	Question 203A page 96	Absent	Absent	pg 81 report (can calculate)	ws8	table2.5, page24		figure 6.8, page63

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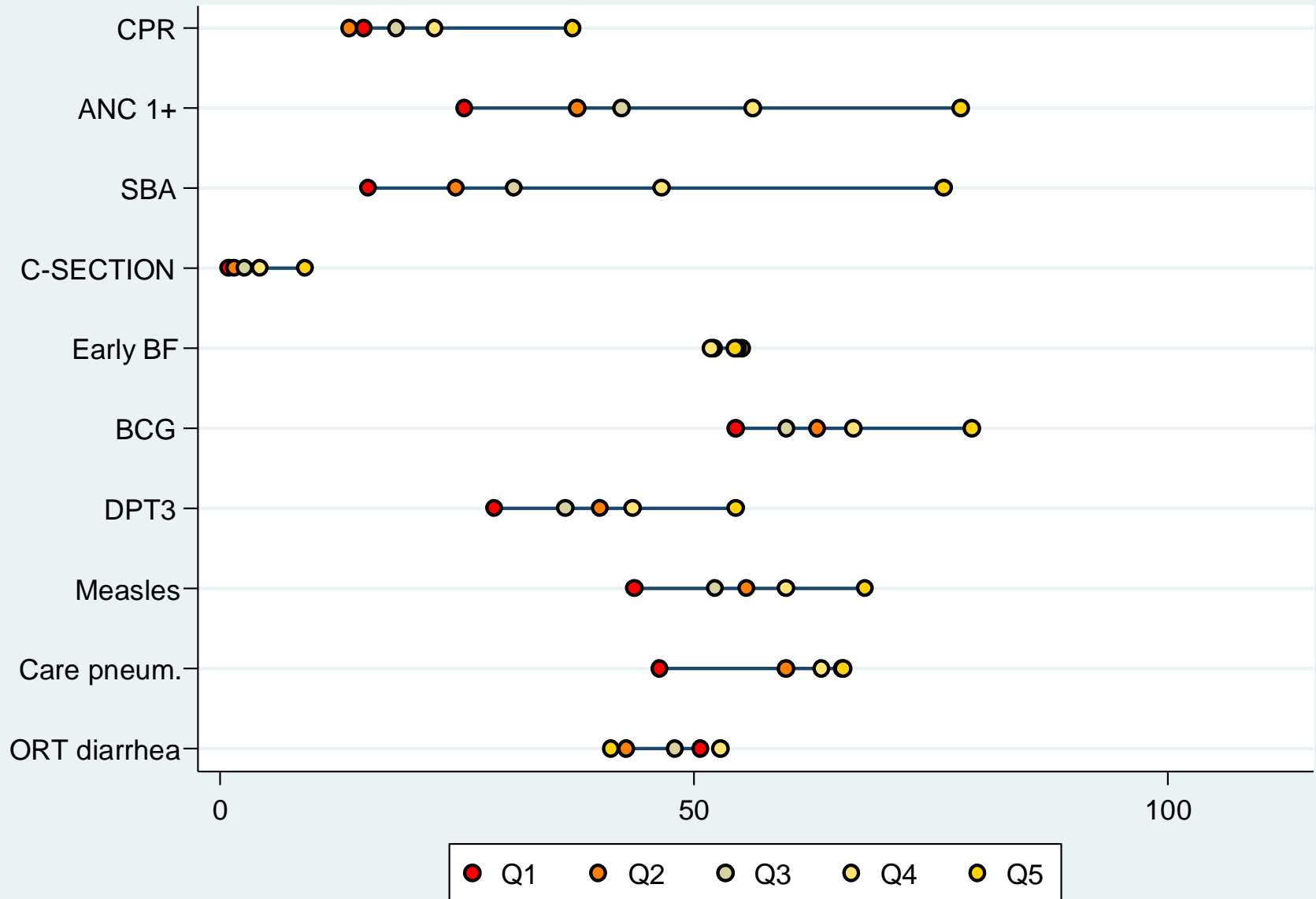
# CD Indicators For Equity Graph from MICS 2010 Report

Region	Area	CPR	CPR modern only	ANC		SBA	Caesarian Section	Early Initiation	PNC	PNC Babies	DPT3	Polio	Measles	BCG	Full Immunization	VAF	ORF	ORS	Caring Pneumonia	NMR	IMR	UMR	Improved Drinking water	Sanitary Facilities	EBF 0-6 months	Minimum Diet Frequency	HH with iodized Salt
				+	+																						
Region	Central	34.7	28.9	74.2	33.6	67.6	7.6	57.2			50.0	56.5	70.4	79.0	34.8	75.8	41.9	46.0	65.3		66	90	69.3	27.4	54.1	22.9	8.4
	Central Highlands	16.0	16.0	44.7	13.2	27.2	2.0	45.5			42.6	53.3	53.8	57.5	29.6	53.3	30.6	36.3	40.7		86	122	25.3	18.1	64.9	25.1	29.2
	East	16.5	14.7	43.3	10.8	37.7	1.6	52.5			46.0	52.7	69.6	76.5	38.7	49.0	47.3	58.9	72.2		50	65	62.4	39.6	62.3	16.9	24.6
	North	13.8	13.4	42.9	12.5	25.1	2.6	53.3			33.6	47.9	49.9	60.6	23.6	54.5	39.2	48.3	54.6		86	122	45.3	34.6	56.5	14.1	64.3
	North East	12.9	11.5	52.9	13.7	42.9	2.9	70.8			52.6	57.9	62.0	70.8	41.5	59.3	35.2	36.5	52.9		71	99	44.2	16.5	49.1	15.5	58.0
	South	32.5	31.7	31.1	11.6	21.2	0.7	24.1			4.6	8.4	19.4	34.8	1.5	19.3	67.9	74.0	63.3		54	71	59.7	29.1	48.1	13.6	48.4
	South East	17.8	16.5	38.0	3.6	37.8	4.9	37.4			40.1	44.9	57.7	63.2	33.3	52.8	59.6	60.5	72.1		87	124	67.0	29.0	57.5	13.1	33.3
	West	22.2	21.6	38.2	11.5	26.5	2.6	63.5			41.9	53.4	50.2	57.4	28.7	34.7	54.2	64.6	45.0		89	127	59.3	30.1	47.8	24.9	69.9
Area	Urban	38.0	33.2	77.1	32.8	74.3	8.7	58.5			53.2	58.4	70.0	79.2	37.0	63.9	39.5	48.2	67.3		63	85	82.3	51.2	50.9	25.0	21.0
	Rural	17.8	16.7	41.2	10.5	30.5	2.4	52.5			37.5	45.8	52.4	61.0	28.5	48.1	48.9	54.2	59.2		76	105	51.2	23.6	55.2	16.2	49.8
Education	None	19.9	18.4	43.8	11.8	34.2	3.0	53.0			38.3	46.6	53.5	62.4	28.7	49.5	48.5	53.7	59.6		74	103	52.5	25.6	55.4	17.1	
	Primary	27.2	24.5	76.1	28.1	63.9	6.8	63.2			54.9	60.5	73.6	78.1	41.9	60.3	34.5	44.5	68.8		71	98	58.5	24.1	58.8	25.0	
	Secondary +	37.7	33.0	83.6	45.5	83.0	8.8	53.3			64.0	63.2	75.2	85.9	44.0	65.6	40.0	55.5	71.1		55	73	69.5	40.2	36.4	21.5	
	Missing/DK	39.2	39.2													0.0	64.5							74.9	39.4		
Wealth index quintiles	Poorest	15.2	14.2	25.8	5.8	15.6	0.9	52.1			28.9	40.0	43.7	54.4	23.1	43.9	50.7	55.6	46.4		75	104	30.5	7.9	57.8	15.7	66.7
	Second	13.6	12.4	37.7	7.8	24.9	1.5	55.1			40.1	49.2	55.6	63.0	30.0	48.3	42.9	50.8	59.7		68	94	43.5	18.5	54.2	13.2	53.6
	Middle	18.6	17.5	42.3	10.7	31.0	2.6	54.6			36.4	43.4	52.2	59.8	28.2	49.5	48.0	52.4	65.6		80	112	56.4	27.2	54.6	15.7	44.8
	Fourth	22.6	21.0	56.2	17.0	46.6	4.2	51.8			43.5	51.0	59.7	66.8	32.7	51.5	52.8	55.6	63.5		80	113	66.6	35.0	51.6	17.1	33.9
	Richest	37.2	33.3	78.1	32.3	76.3	9.0	54.3			54.4	58.1	68.1	79.3	37.3	62.4	41.3	51.6	65.7		62	84	86.6	53.6	54.2	28.2	20.9
Total		21.2	19.5	47.9	14.6	38.6	3.6	53.6			40.2	48.0	55.5	64.2	30.0	50.6	47.5	53.3	60.5		74	102	56.7	28.5	54.3	17.8	44.5

# Lesson learned

- Mortality estimation , will seek help from external source- Mortality Groups
- Non survey coverage data (Child Info, CHERG, LiST, JMP, IGME, )
- Role of equity analysis ( CIX, five dot plots, SII)
- Co-coverage and Composite Coverage Index ?
- LiST : an very effective tool for projection and assess the effect of intervention on outcome indicators

# Outcome from STATA- Five Dot Equity Graph

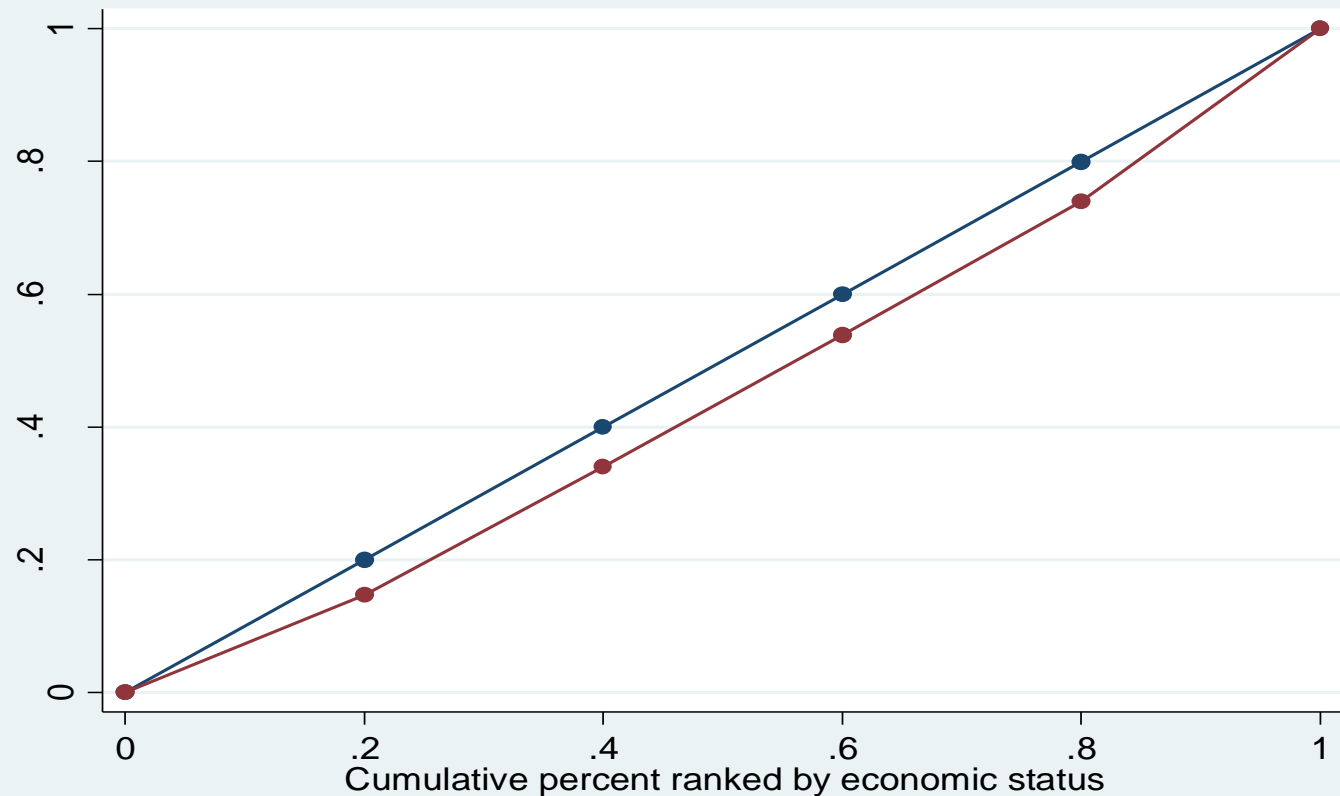


# Concentration Index

CIX for WQ and age at first marriage:  
Concentration index = 0.0267 (0.0063)

CIX for WQ and ANC 1+:  
Concentration index = 0.0939 (0.0343)

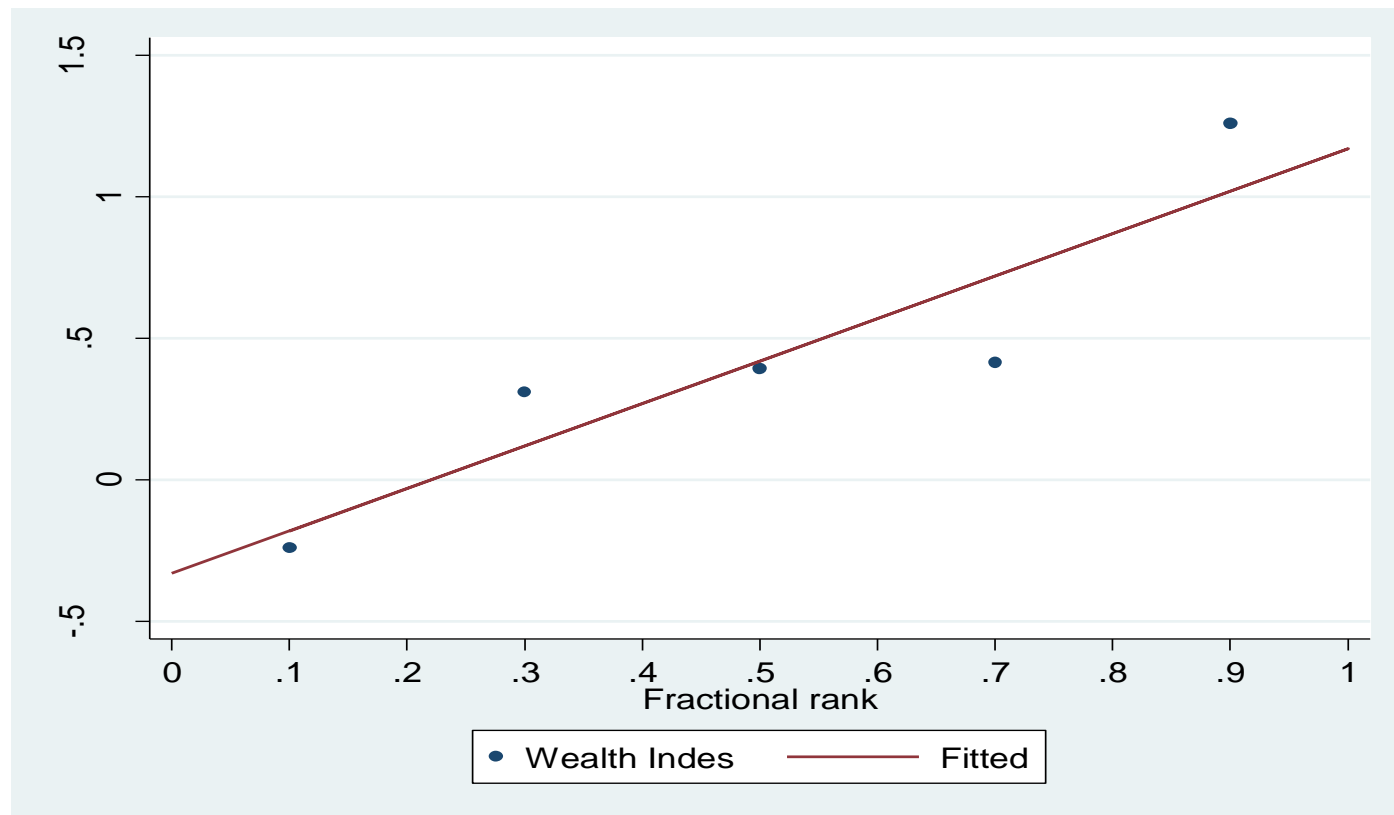
Source : Afghanistan Mortalit





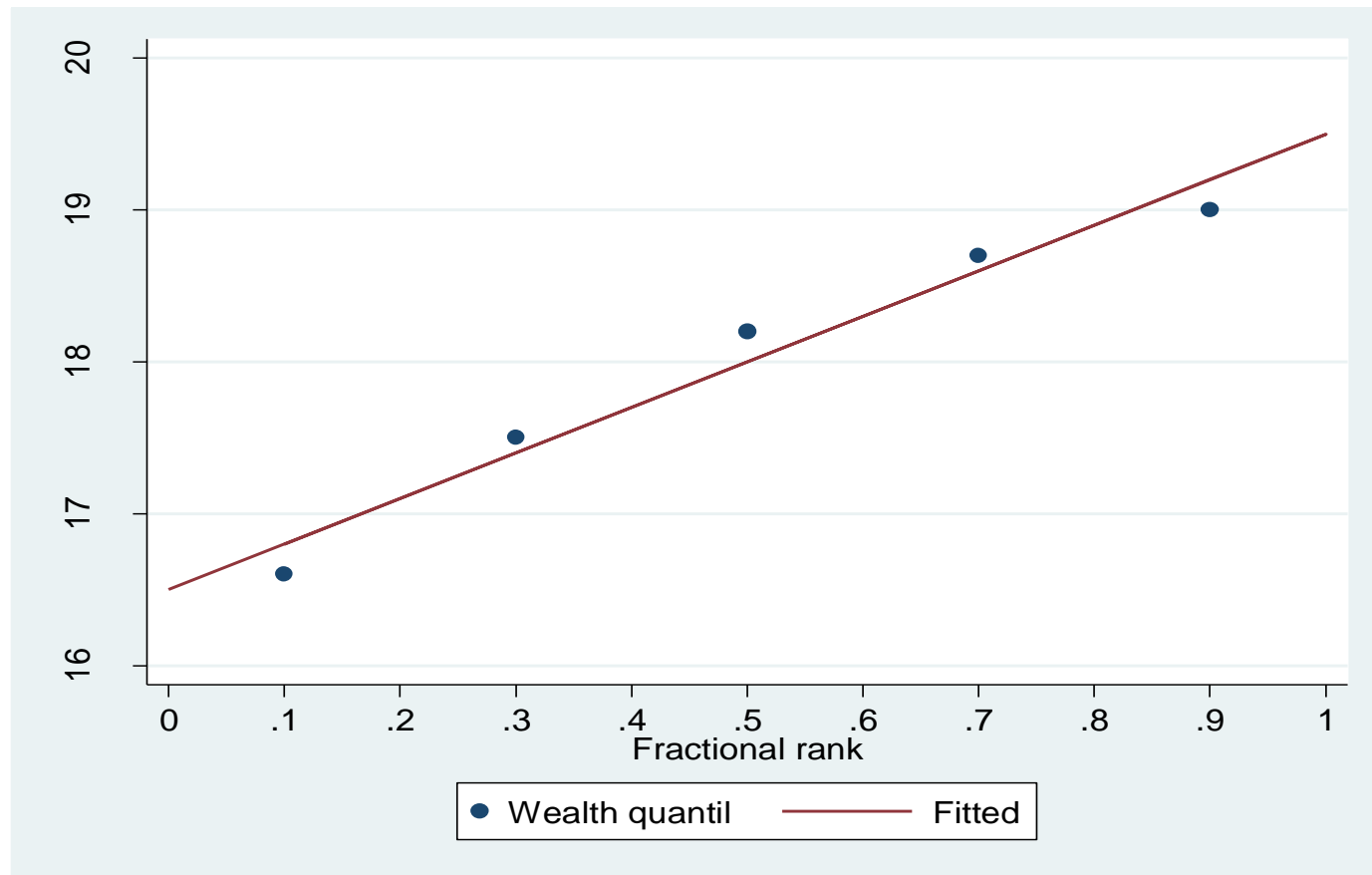
# SII WQ with ANC 1+

<b>anc1</b>	<b>Coef.</b>	<b>Std. Err.</b>	<b>z</b>	<b>P&gt;z</b>	<b>[95% Conf. Interval]</b>	
SII	.3452124	.0667083	5.17	0.000	.2144665	.4759584
<b>anc1</b>	<b>Coef.</b>	<b>Std. Err.</b>	<b>z</b>	<b>P&gt;z</b>	<b>[95% Conf.</b>	<b>Interval]</b>
RII	1.826138	.2151428	8.49	0.000	1.404466	2.24781



# SII WQ and Age at first Marriage

agfm	Coef.	Std. Err.	t	P>t	[95% Conf. Interval]	
SII	3	.3763866	7.97	0.004	1.80217	4.19783
agfm	Coef.	Std. Err.	t	P>t	[95% Conf. Interval]	
RII	1.181818	.0249078	47.45	0.000	1.10255	1.261086

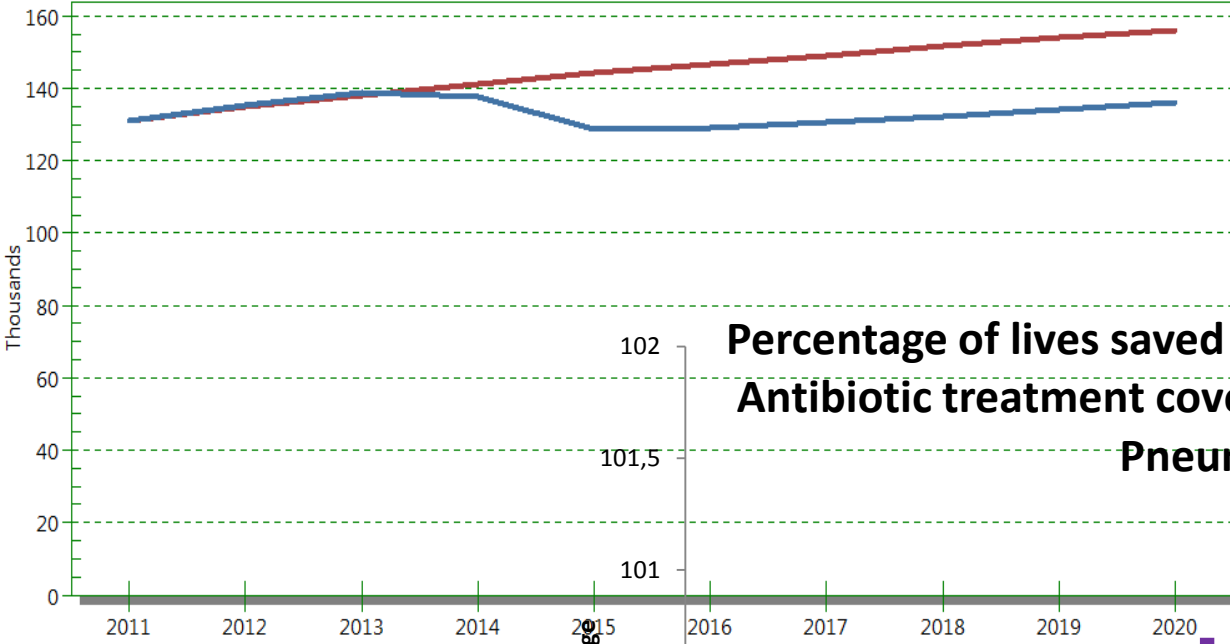


# Outcome from the LIST

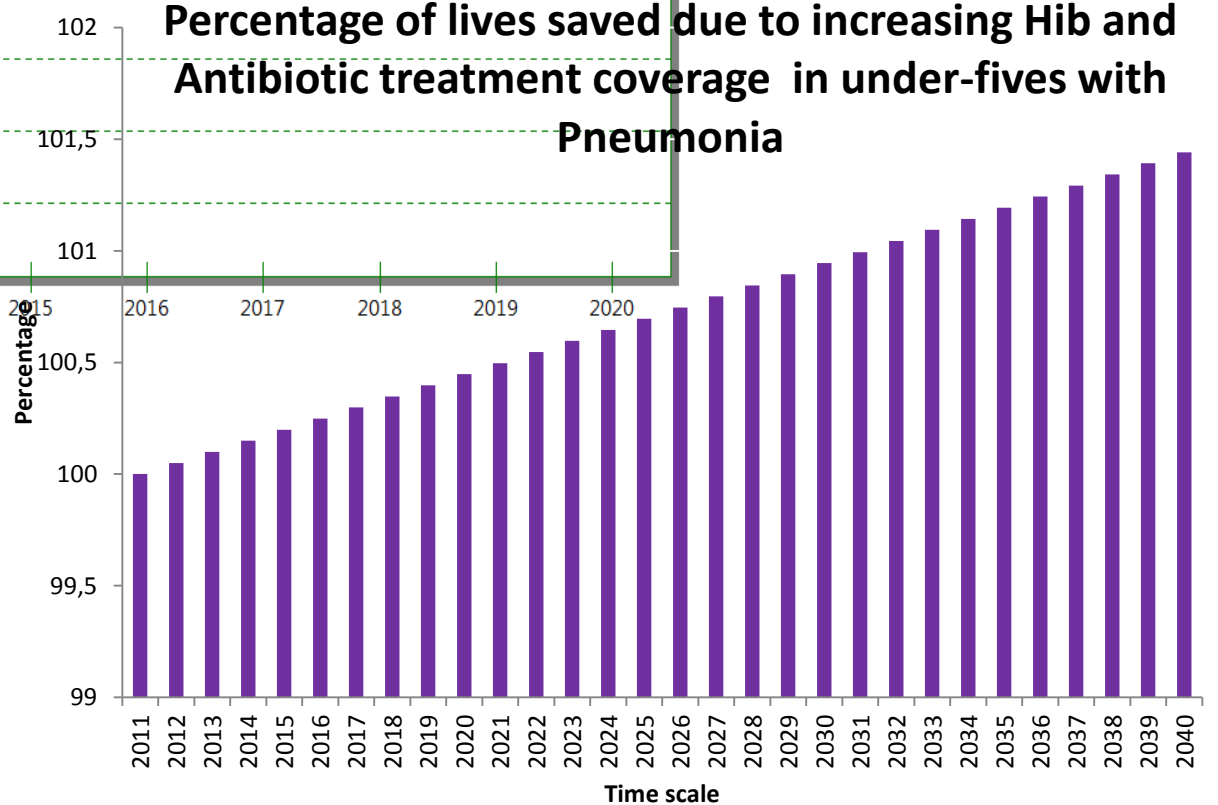
Deaths in children under-five years of age (Total (0-60 months))

Afghanistan-6june13

Afghanistan-6june13 scale up



**Percentage of lives saved due to increasing Hib and Antibiotic treatment coverage in under-fives with Pneumonia**



# Next Step

- Formation of the Case Study Group with more clarification of the Global Count Down Group Leaders
- Assign Four Focal person to lead each of the clusters (Coverage, Equity, Financing and Policy/Program Analysis)
- Meeting of the Case Study Group and Start working on Analysis with a Lead for overall Case Study
- Update and brief the larger Afghanistan Count Down Working group