



Transforming Routine Immunization

Pilot from Tando Muhammad Khan

Dr Shehla Zaidi

Women & Child Health Division, Aga Khan University &
E-Health, Aga Khan Development Network, funded by GAVI

12 months ago in Tando Muhammad Khan,
Sindh ...



... children contracted preventable diseases like measles due to weak EPI services



These preventable illnesses cause unnecessary hospitalizations, even death



Because focus was mainly on Polio...little attention to routine immunization



Weak union council planning for routine immunization.

O.P.V	No. immunized in the month	80	75	50	100	0	0	75	56		
	Commulative total upto the month	80	155	205	305	-	-	380	439		
% Coverage		8%	15%	21%	31%	41%	51%	61%	71%		
Measle	No. immunized in the month	54	48	30	23	77	36	51	88	61	
	Commulative total upto the month	54	102	132	365	442	474	525	613	674	
% Coverage		7%	13%	16%	27%	41%	51%	61%	71%	81%	91%

% Coverage		7%	14%	17%	30%	40%	47%	49%	52%		
P.V.	No. immunized in the month	62	52	61	98	33	39	80	54	49	
	Commulative total upto the month	62	114	175	273	306	345	425	479	528	
% Coverage		8%	14%	21%	31%	41%	51%	61%	71%	81%	91%

POPULATION: 28044 YEAR: 2015 YEARLY TARGET: 906

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Penta I	No. immunized in the month	81	83	89	178	79	55	88	52	67		
	Commulative total upto the month	81	164	253	431	509	564	652	704	771		
% Coverage		10%	20%	31%	43%	51%	61%	68%	77%			
Penta II	No. immunized in the month	79	76	65	142	68	67	83	78	100		
	Commulative total upto the month	79	155	229	371	439	506	589	667	767		
% Coverage		10%	19%	28%	45%	51%	61%	68%	76%			
D.P.T. III	No. immunized in the month	75	70	86	187	63	62	80	65	62		
	Commulative total upto the month	75	145	231	418	481	543	623	688	750		
% Coverage		9%	18%	28%	51%	60%	68%	76%	77%			

POPULATION: 28044 YEAR: 2015 YEARLY TARGET: 1001

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
P.V.	No. immunized in the month	92	33	63	230	108	65	73	84	88		
	Commulative total upto the month	92	125	188	418	526	591	656	740	828		
% Coverage		9%	12%	15%	42%	51%	61%	68%	76%			
P.V. II	No. immunized in the month	31	38	39	110	67	52	62	58	86		
	Commulative total upto the month	31	69	108	218	285	337	399	457	543		
% Coverage		3%	7%	11%	28%	31%	36%	43%	48%			
P.V. III	No. immunized in the month											
	Commulative total upto the month											
% Coverage												

EXPENDED PROGRAMME ON IMMUNIZATION GOVERNMENT OF SINDH CALENDAR YEAR IMMUNIZATION MONITOR CHART YEAR: 2015

AGE GROUP: 906 YEARLY TARGET: 982

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No. immunized in the month	35	36	55	130	44	33	88	35	36			
Commulative total upto the month	35	71	126	256	300	333	421	456	492			
% Coverage	4%	7%	13%	26%	30%	37%	47%	51%	57%			

Handwritten notes in Urdu script, including a list of months and corresponding numbers:

- 1. جنوری = 6
- 2. فروری = 7
- 3. مارچ = 8
- 4. اپریل = 9
- 5. مئی = 10
- 6. جون = 11
- 7. جولائی = 12

Lack of fuel and functional motorbikes limited the *reach of vaccination efforts.*



Children visiting health centres were often missed for immunization



High numbers of vaccination reported
but without verifying data



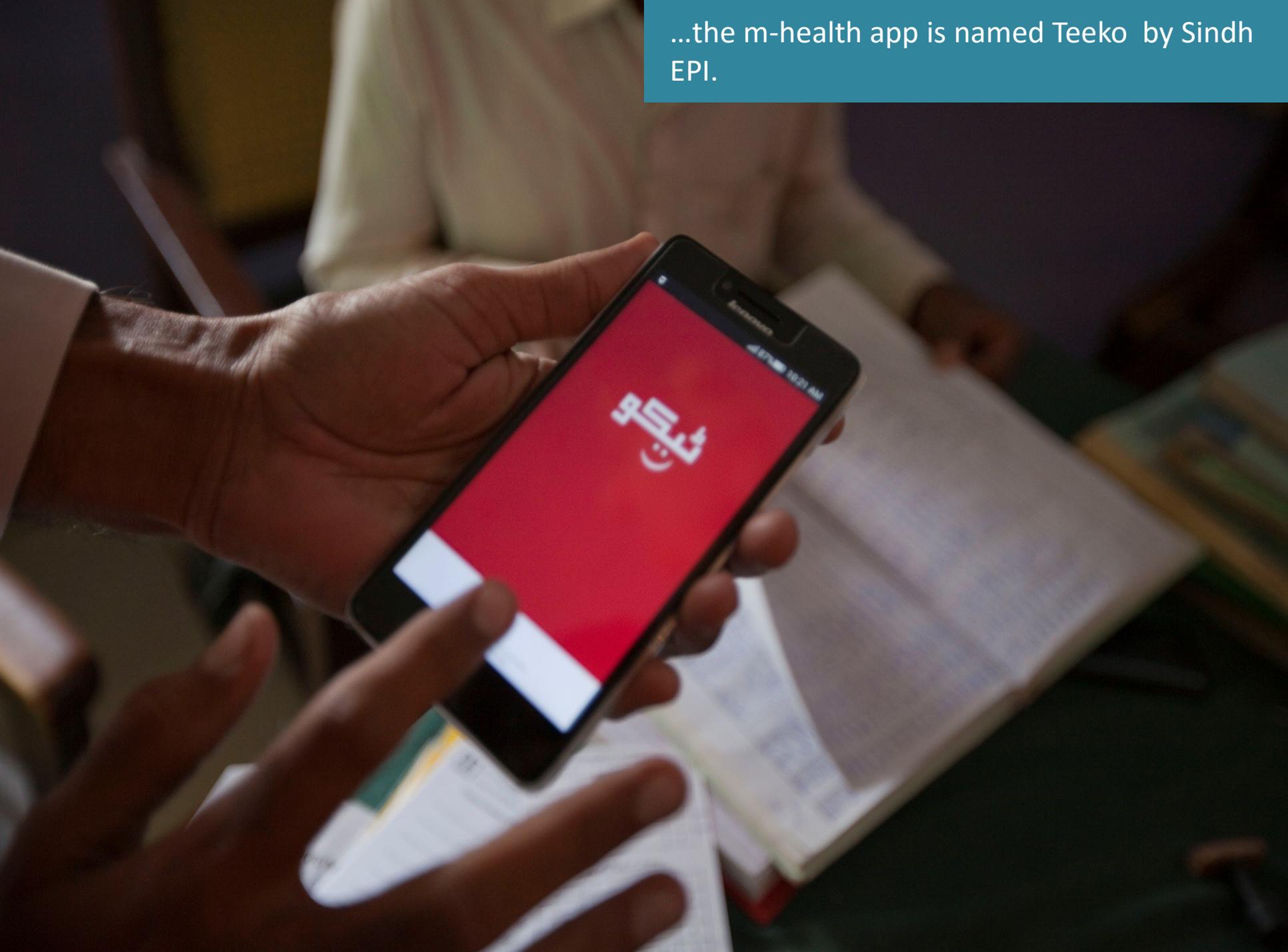
In Collaboration with Sindh EPI and District Government Tando
Muhammad Khan

CHANGE BREAKTHROUGHS

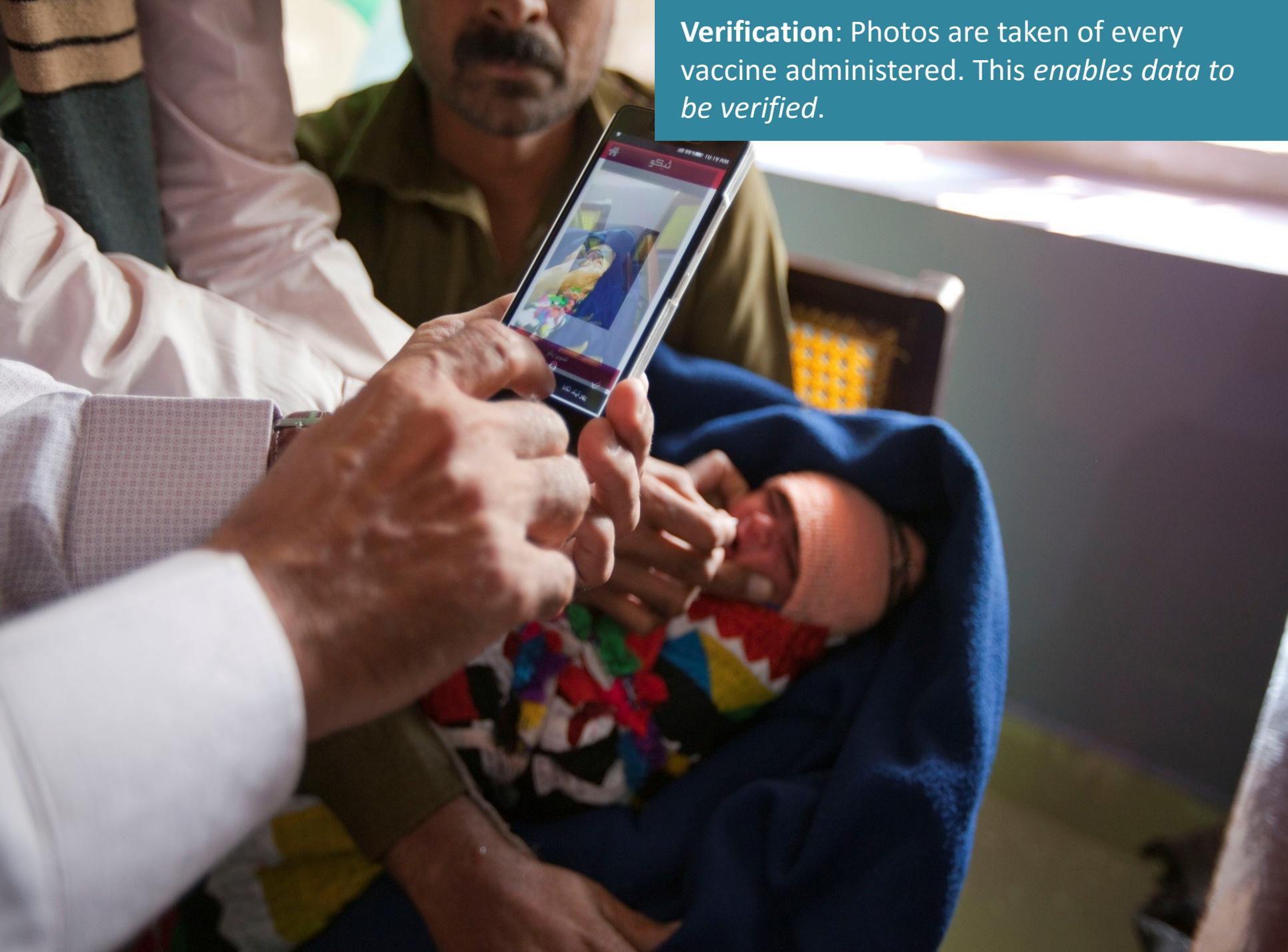
Accountability: Smartphone-equipped EPI staff are tracked on time, location and performance by district government



...the m-health app is named Teeko by Sindh EPI.



Verification: Photos are taken of every vaccine administered. This *enables data to be verified.*



UC WISE ROUTINE IMMUNIZATION COVERAGE

Select Month:

Select Year:



Done

District	Taluka	Union Councils	Monthly Target Live Births (0-11 M)	Monthly Target Surviving Children (0-11 M)	OPV-0			BCG			OPV-1			Pentavalent-1+			PCV-1			OPV-2			Pentavalent-2+			PCV-2
					Monthly Coverage			Monthly Coverage			Monthly Coverage			Monthly Coverage			Monthly Coverage			Monthly Coverage			Monthly Coverage			
					Fixed	Out Reach	Total	Fixed																		
TMKhan	Bulri Shah Karim	Allah Yar Turk	77	71	6	33	39	2	1	3	11	43	54	7	44	51	8	43	51	9	50	59	8	51	59	8
TMKhan	Bulri Shah Karim	Jinhan Soomro	46	42	3	3	6	1	0	1	7	5	12	7	5	12	7	5	12	4	4	8	4	4	8	4
TMKhan	Bulri Shah Karim	Bulri Shah Karim	96	88	23	13	36	2	4	6	71	15	86	68	15	83	68	17	85	34	25	59	33	25	58	34
TMKhan	Bulri Shah Karim	Saeed Khan Lund	87	80	28	33	61	0	1	1	62	83	145	61	76	137	61	78	139	34	64	98	35	62	97	36
TMKhan	Bulri	Mullakatiar	80	74	15	16	31	3	2	5	21	31	52	23	28	51	19	27	46	23	31	54	20	25	45	22

...Provincial government offices trained to monitor vaccinator performance



Outreach Support: Micro-planning for union council, taluka and district vaccination with DoH and PPHI staff – first complied micro-plan



Outreach Support: Fuel provided to vaccinators based on performance



Outreach support: Vaccinators visiting villages on daily routine to vaccinate children



Team approach to vaccination: all health staff gets trained to support vaccination – its not just the vaccinators job



Team Approach: awareness sessions run by lady health workers and PPHI social mobilizers



One Window System: children coming to health facilities first get screened for EPI services



One window : Renovated EPI rooms offer *child friendly services ...*



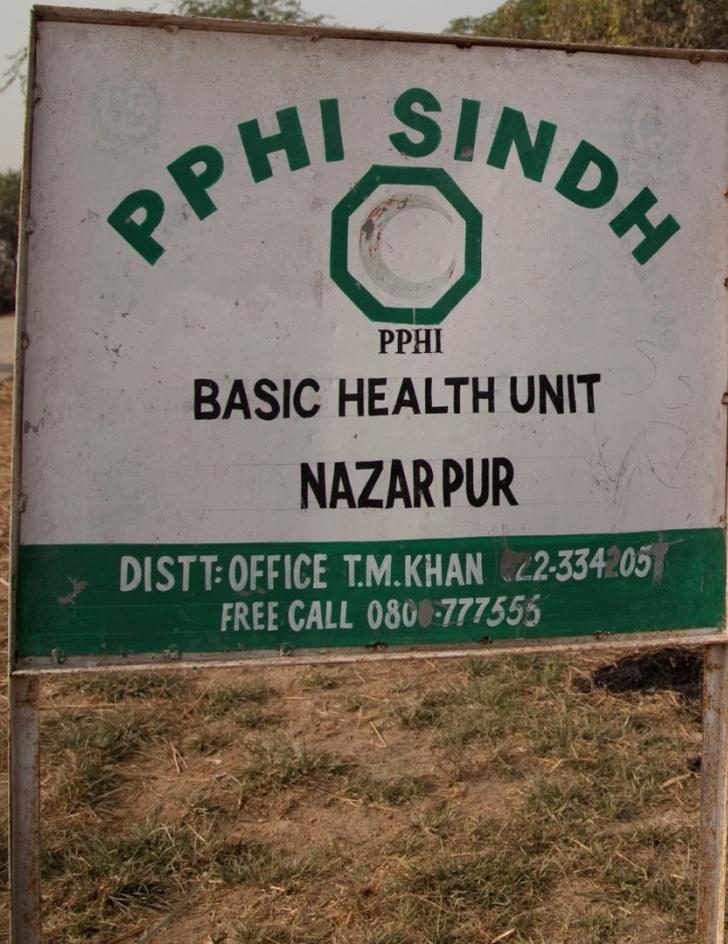
Communication: daily bulletins on FM radio...



Communication: messages sent to all cell phone users for child registration



Communication: Sign boards visibility of EPI centres at health facilities



More children are getting immunized through verified services



Giving routine vaccination the same focus as Polio will help children look to *a brighter future...*



Handwritten text on a whiteboard, including the number 2016 and some illegible scribbles.

....a special campaign is not needed every time a disease breaks out - bring GAME CHANGERS to the vaccination system



Aga Khan University
All rights reserved