



Bolstering the National Data Eco-System for Evidence-Informed Policy-Making

Emerging Approaches to Strengthen Capacities of National Statistical Systems

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MEMBER SOCIAL SECTOR & DEVOLUTION, MINISTRY OF PLANNING, DEVELOPMENT AND SPECIAL INITIATIVES, GOVERNMENT OF PAKISTAN

Understanding the National Data Ecosystem

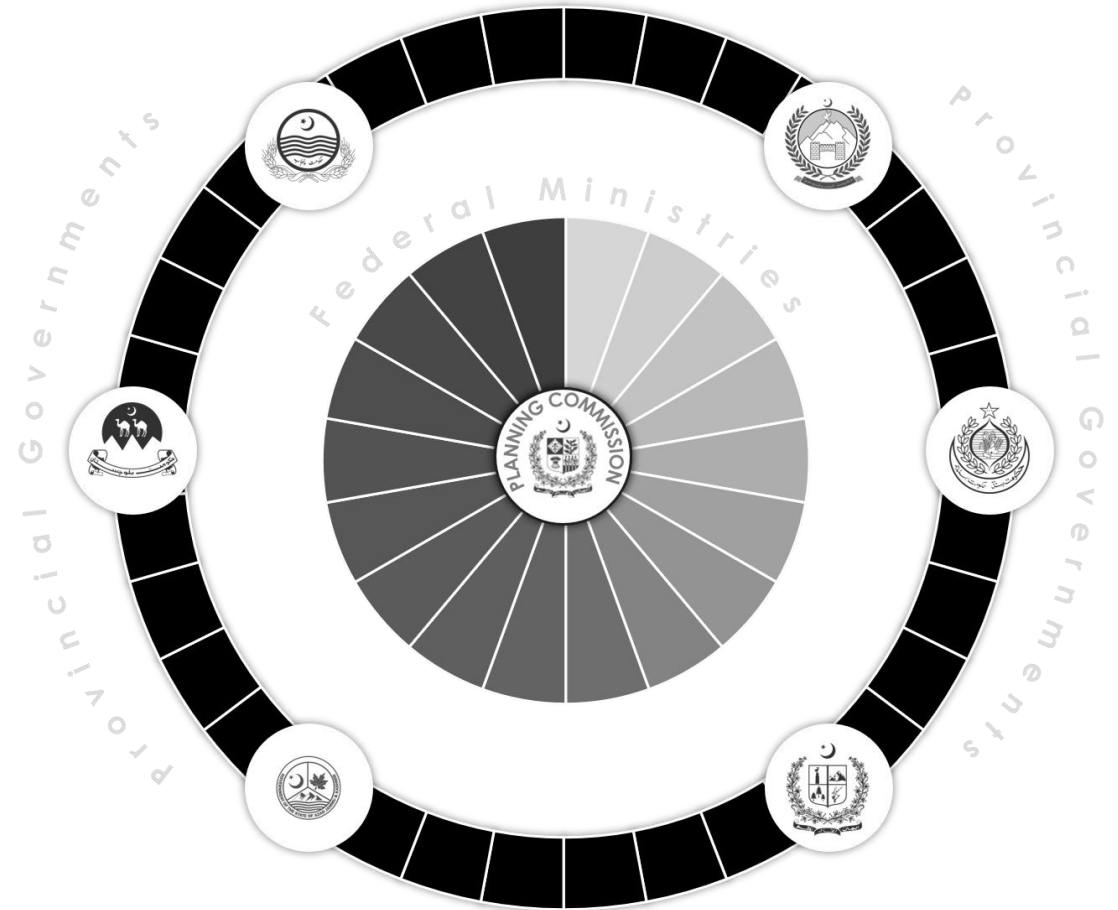
National Bureau of Statistics

Provincial Bureau of Statistics

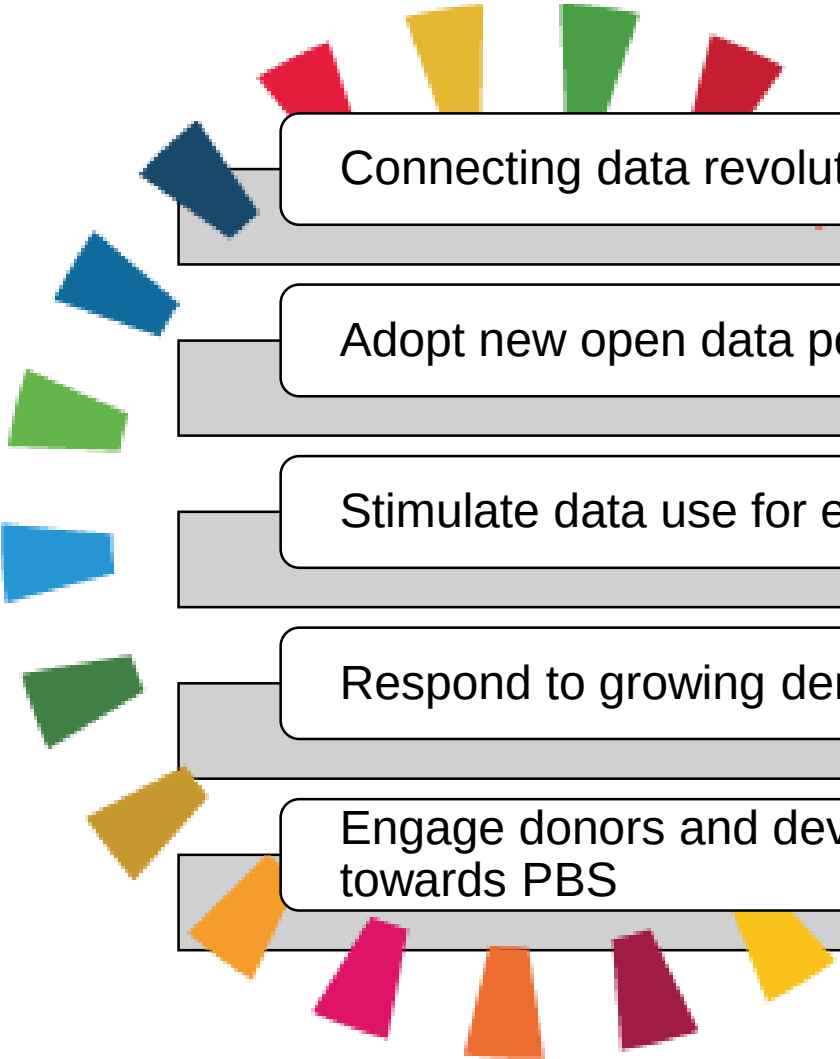
Departments' Services/ Operational Data

Private Sector Evidence

Inter-agency estimates of UN Partners



ever-evolving Data Revolution in this Decade of Action

A decorative graphic on the left side of the slide, consisting of a vertical stack of five horizontal grey bars. To the left of each bar is a white rounded rectangle containing text. To the left of these rectangles are several colorful triangles of various sizes and colors (dark blue, blue, green, light blue, dark green, olive, orange, pink, orange, purple, yellow) arranged in a vertical line, some pointing left and some right.

Connecting data revolution for sustainable development

Adopt new open data policies to improve data accessibility

Stimulate data use for evidence-based decision making

Respond to growing demand of data users

Engage donors and development agencies for their support towards PBS

Steps taken to strengthen the data ecosystem

Strengthen traditional system of data collection

These include censuses, surveys and administrative records

Digital Transformation and Electronic Data Collection

Embrace data revolution

By using new sources of data, adopting innovative methods for using statistics

By forging partnerships with other data producer and user communities.

Supporting open data policies and use on non traditional data sources

Through legal and regulatory reform

Official data belongs to everyone and should be open by default

Promote data dissemination and statistical literacy programs

To promote the spur the use of statistics

To promote active user communities

Identify needs of National Statistical System

To address the resources available to address those needs

Incorporate practical steps to address deficits in production and use of statistics

In strategic plans, data compacts and other joint agreements

With providers of development co-operation and international agencies

Success
Story

Data Drives Success in Punjab

Adopting a multi-
pronged approach
to bring real
change



Recommending up the problems - what was done?

The Problems

- MICS 2014 recorded:

- Skilled Birth Attendance at 65%
- Immunisation Coverage at 62.3%

Data-Driven Strategy in 2014

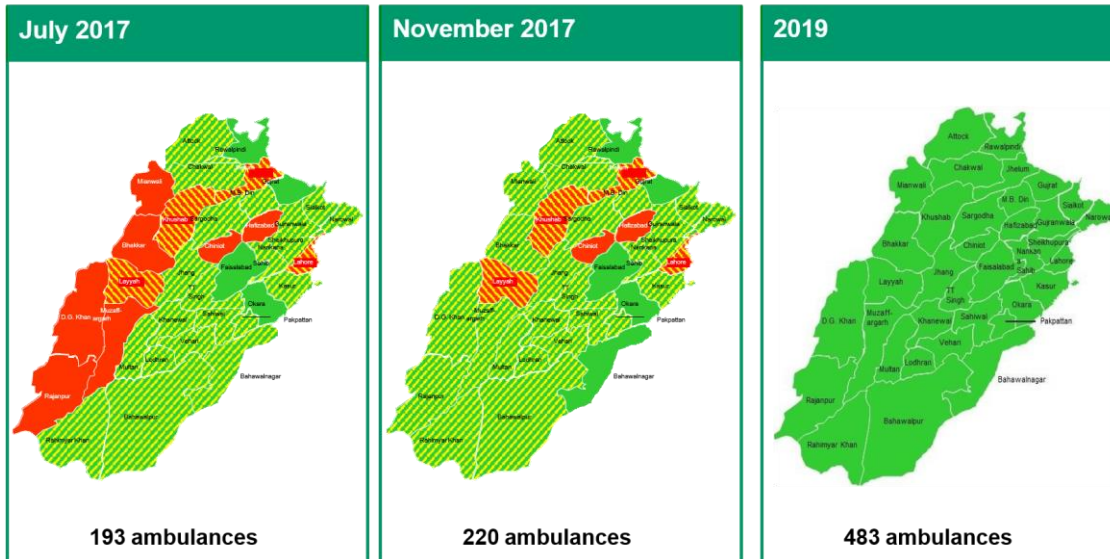
- Identify poorly performing districts
- Identify weak parameters
- Mark critical gaps and prioritise challenges
- Facilities upgraded, ambulances and helplines launched
- Priorities highlighted on Provincial Roadmaps
- Accountability of key stakeholders
- Progress Tracked through Monthly Performance Reviews

Results

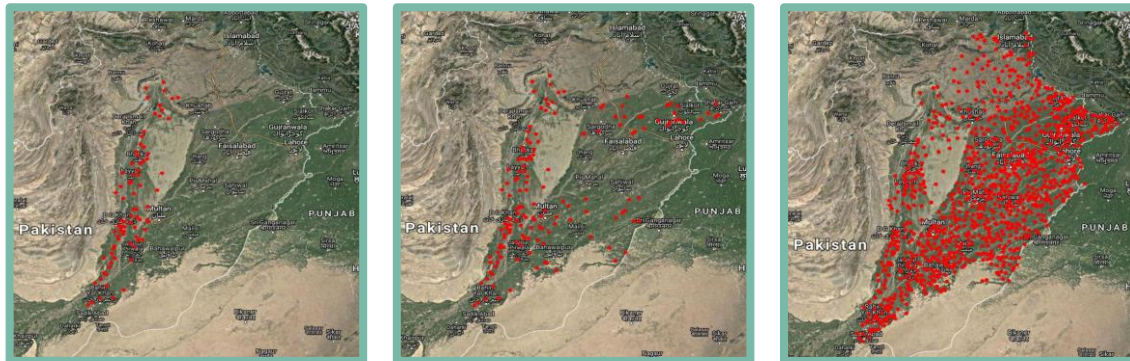
- Skilled Birth Attendance at 78.7%
- Immunisation Coverage at 84%

Reviewing Operational Data and Geospatial Mapping

Ambulance Coverage



24/7 Health Facilities Upgrading

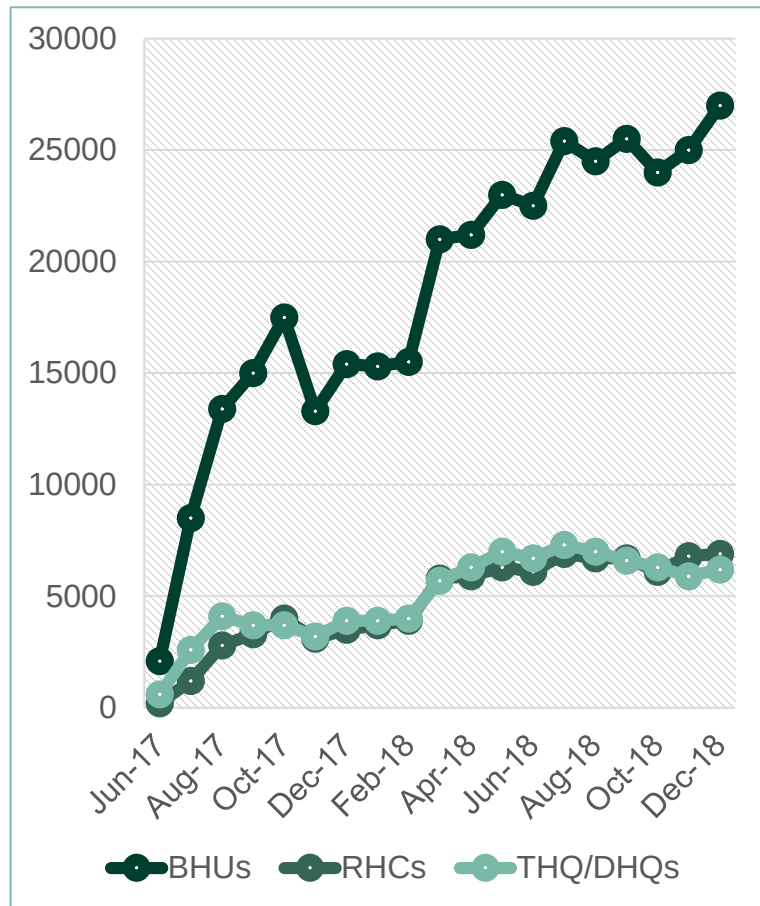


Monthly Monitoring Reviews with Policy-Makers

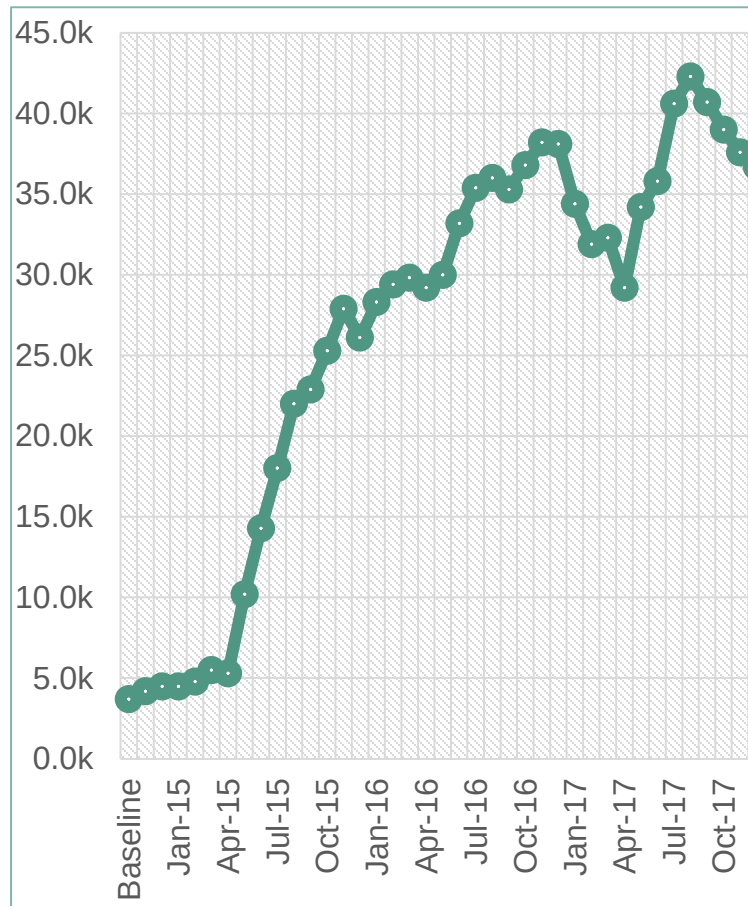


Triangulating Survey Data with Services Data and Live Tracking

1 million cases transferred between 2017 and 2019



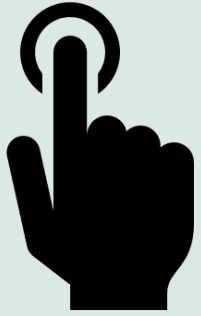
Over 900 % Increase in Institutional Deliveries



Polygon Tracking of Vaccinators for Coverage



Measuring Progress with Punjab Health Survey (MICS Strategy)



Digitized
data
collection
by BOS



Real-time
reporting



Live
Tracking of
BOS
Teams



Third Party
Quality
validation



Internation
al Experts
for Survey
Quality
Audit



National
Experts for
Data
Analysis
and
Presentatio
ns

Data Driving Success in Punjab

Plotting progress and improvement across districts

District	Antenatal Care Coverage	Skilled Birth Attendance	Institutional Delivery	Postnatal Care for New born	Postnatal Care for Mother	Geometric Average	Improvement from 2014
Bahawalpur	72	73	67	98	93	79	18
Kasur	67	78	74	97	93	81	18
Bhakkar	89	83	77	94	91	87	17
Rajanpur	72	44	42	96	97	66	16
Attock	94	87	82	97	95	91	15
Layyah	68	69	55	89	93	73	14
RY Khan	61	76	74	89	80	76	14
Mandi Bahauddin	86	75	72	87	95	82	13
Khanewal	92	78	76	96	91	86	13
Okara	79	73	73	93	92	82	13
Sahiwal	96	87	86	94	93	91	12
Muzaffargarh	94	50	48	96	73	69	12
Rawalpindi	96	94	93	95	95	95	10
Bahawalnagar	56	70	65	91	93	73	10
Narowal	97	85	78	75	95	86	10
Lodhran	72	67	63	96	85	76	9
Mianwali	96	80	79	97	94	89	9
DG Khan	77	43	40	84	67	60	9
Pakpattan	85	82	79	87	87	84	8
Vehari	80	75	72	97	94	83	7
Jhang	86	75	74	97	77	81	7
Lahore	96	89	88	97	90	92	6
Punjab	79	79	76	87	84	81	6
Jhelum	94	93	92	94	91	93	6
Gujranwala	76	91	87	94	93	88	5
Gujrat	97	93	91	94	93	94	4
Khushab	90	71	68	97	86	82	4
Chakwal	91	88	85	88	92	89	4
Multan	92	71	69	89	75	79	3
Nankana Sahib	76	88	82	89	92	85	2
Faisalabad	80	77	75	97	91	84	0
TT Singh	45	85	83	88	87	75	-1
Chiniot	77	81	79	87	87	84	-1
Hafizabad	70	79	75	93	95	82	-2
Sheikhupura	54	79	78	84	87	75	-2
Sialkot	45	97	94	94	91	81	-4
Sargodha	62	71	69	75	76	70	-7

Generation of District Dashboards

BHAKKAR

Total District Population: 126518

PARTICIPANT PROFILE

- Households surveyed: 1381
- Women surveyed: 1381
- Children surveyed: 1381
- Education of Mothers (%):
 - Literate: 21.14
 - Second: 27.28
 - Middle: 24.71
 - Primary: 17.82
 - No literacy: 3.4%

ANTENATAL CARE

- Any skilled provider: 85.5%
- Provided by Medical Officer: 54.9%
- Provided by Nurse: 4.9%
- Provided by CMW: 4.9%
- Provided by LHW: 28.1%
- Four or more visits: 34.8%
- All four components tested: 15.4%
- ANC in first trimester: 45.4%
- Median months at 1st ANC: 2.6%
- Appropriate dose of iron and folic acid: 26.3%

IMMUNIZATION

Vaccination by Antigen

- Birth: BCG, Polio at birth, Polio 1, Polio 2, Polio 3, Pertis 1, Pertis 2, PCV 1, PCV 2, PCV 3, Measles-1, Measles-2
- Any skilled provider: 85.5%
- Provided by Medical Officer: 41.9%
- Provided by Nurse: 4.9%
- Provided by CMW: 4.9%
- Provided by LHW: 28.1%
- C-section: Decided before labor pains, Decided after pains
- Institutional Delivery: 77.4%
- Less than 11 hours: 48.4%
- More than 11 hours: 26.5%
- Post-delivery stay in facility: 48.4%

ROLE OF LHW

Timing of LHW Visit

- Visited by LHW in last month: 84.4%
- Pre-pregnancy Antenatal: 84.4%
- Postnatal: 78.1%
- Women visited in each trimester: 78.1%

LHWs as source of awareness for

- Contraceptive use/sterilizing: 21.1%
- Any other: 13.2%
- Iron/Folic Acid in Pregnancy: 13.2%
- Iron/Folic Acid in Lactation: 5.4%

POSTNATAL CARE

For babies: PNC visit same day, PNC health check, Delivered Provider for PNC

For mothers: PNC visit same day, PNC health check, Delivered Provider for PNC

Appropriate dose of iron and folic acid: 26.3%

REMARKS/REVISIONS

- Breast fed within first hour: 27.4%
- Exclusively breast fed age 0-6 months: 45.1%
- Median duration of exclusive breastfeeding: 7.2%

FAISALABAD

Total District Population: 792240

PARTICIPANT PROFILE

- Households surveyed: 1,376
- Women surveyed: 1,376
- Children surveyed: 1,340
- Education of Mothers (%):
 - Literate: 16.8%
 - Second: 16.7%
 - Middle: 33.3%
 - Primary: 30.8%
 - No literacy: 3.4%

ANTENATAL CARE

- Any skilled provider: 86.8%
- Provided by Medical Officer: 16.8%
- Provided by Nurse: 6.9%
- Provided by CMW: 6.9%
- Provided by LHW: 19.2%
- Four or more visits: 37.8%
- All four components tested: 19.2%
- ANC in first trimester: 73.2%
- Median months at 1st ANC: 2.6%
- Appropriate dose of iron and folic acid: 26.3%

IMMUNIZATION

Vaccination by Antigen

- Birth: BCG, Polio at birth, Polio 1, Polio 2, Polio 3, Pertis 1, Pertis 2, PCV 1, PCV 2, PCV 3, Measles-1, Measles-2
- Any skilled provider: 86.8%
- Provided by Medical Officer: 37.8%
- Provided by Nurse: 6.9%
- Provided by CMW: 6.9%
- Provided by LHW: 19.2%
- C-section: Decided before labor pains, Decided after pains
- Institutional Delivery: 74.9%
- Less than 11 hours: 47.4%
- More than 11 hours: 26.5%
- Post-delivery stay in facility: 47.4%

ROLE OF LHW

Timing of LHW Visit

- Visited by LHW in last month: 88.4%
- Pre-pregnancy Antenatal: 88.4%
- Postnatal: 78.1%
- Women visited in each trimester: 78.1%

LHWs as source of awareness for

- Contraceptive use/sterilizing: 6.8%
- Any other: 2.2%
- Iron/Folic Acid in Pregnancy: 4.5%
- Iron/Folic Acid in Lactation: 1.5%

POSTNATAL CARE

For babies: PNC visit same day, PNC health check, Delivered Provider for PNC

For mothers: PNC visit same day, PNC health check, Delivered Provider for PNC

Appropriate dose of iron and folic acid: 26.3%

REMARKS/REVISIONS

- Breast fed within first hour: 8.4%
- Exclusively breast fed age 0-6 months: 18.2%
- Median duration of exclusive breastfeeding: 5.8%

KASUR

Total District Population: 345496

PARTICIPANT PROFILE

- Households surveyed: 829
- Women surveyed: 829
- Children surveyed: 829
- Education of Mothers (%):
 - Literate: 3.4%
 - Second: 24.14
 - Middle: 16.27
 - Primary: 13.28
 - No literacy: 56.8%

ANTENATAL CARE

- Any skilled provider: 84.8%
- Provided by Medical Officer: 45.8%
- Provided by Nurse: 12.2%
- Provided by CMW: 6.9%
- Provided by LHW: 35.8%
- Four or more visits: 45.1%
- All four components tested: 35.1%
- ANC in first trimester: 61.1%
- Median months at 1st ANC: 2.6%
- Appropriate dose of iron and folic acid: 26.3%

IMMUNIZATION

Vaccination by Antigen

- Birth: BCG, Polio at birth, Polio 1, Polio 2, Polio 3, Pertis 1, Pertis 2, PCV 1, PCV 2, PCV 3, Measles-1, Measles-2
- Any skilled provider: 74.8%
- Provided by Medical Officer: 24.8%
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- Pre-pregnancy Antenatal: 84.4%
- Postnatal: 84.4%
- Women visited in each trimester: 84.4%

LHWs as source of awareness for

- Contraceptive use/sterilizing: 11.3%
- Any other: 11.3%
- Iron/Folic Acid in Pregnancy: 11.3%
- Iron/Folic Acid in Lactation: 4.4%

POSTNATAL CARE

For babies: PNC visit same day, PNC health check, Delivered Provider for PNC

For mothers: PNC visit same day, PNC health check, Delivered Provider for PNC

Appropriate dose of iron and folic acid: 26.3%

REMARKS/REVISIONS

- Breast fed within first hour: 71.4%
- Exclusively breast fed age 0-6 months: 25.4%
- Median duration of exclusive breastfeeding: 7.2%

LAHORE

Total District Population: 2655774

PARTICIPANT PROFILE

- Households surveyed: 1,384
- Women surveyed: 1,384
- Children surveyed: 1,384
- Education of Mothers (%):
 - Literate: 5.4%
 - Second: 24.4%
 - Middle: 41.2%
 - Primary: 18.2%
 - No literacy: 10.8%

ANTENATAL CARE

- Any skilled provider: 85.5%
- Provided by Medical Officer: 45.5%
- Provided by Nurse: 12.2%
- Provided by CMW: 6.9%
- Provided by LHW: 35.8%
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- Any other: 2.2%
- Iron/Folic Acid in Pregnancy: 4.5%
- Iron/Folic Acid in Lactation: 1.5%

POSTNATAL CARE

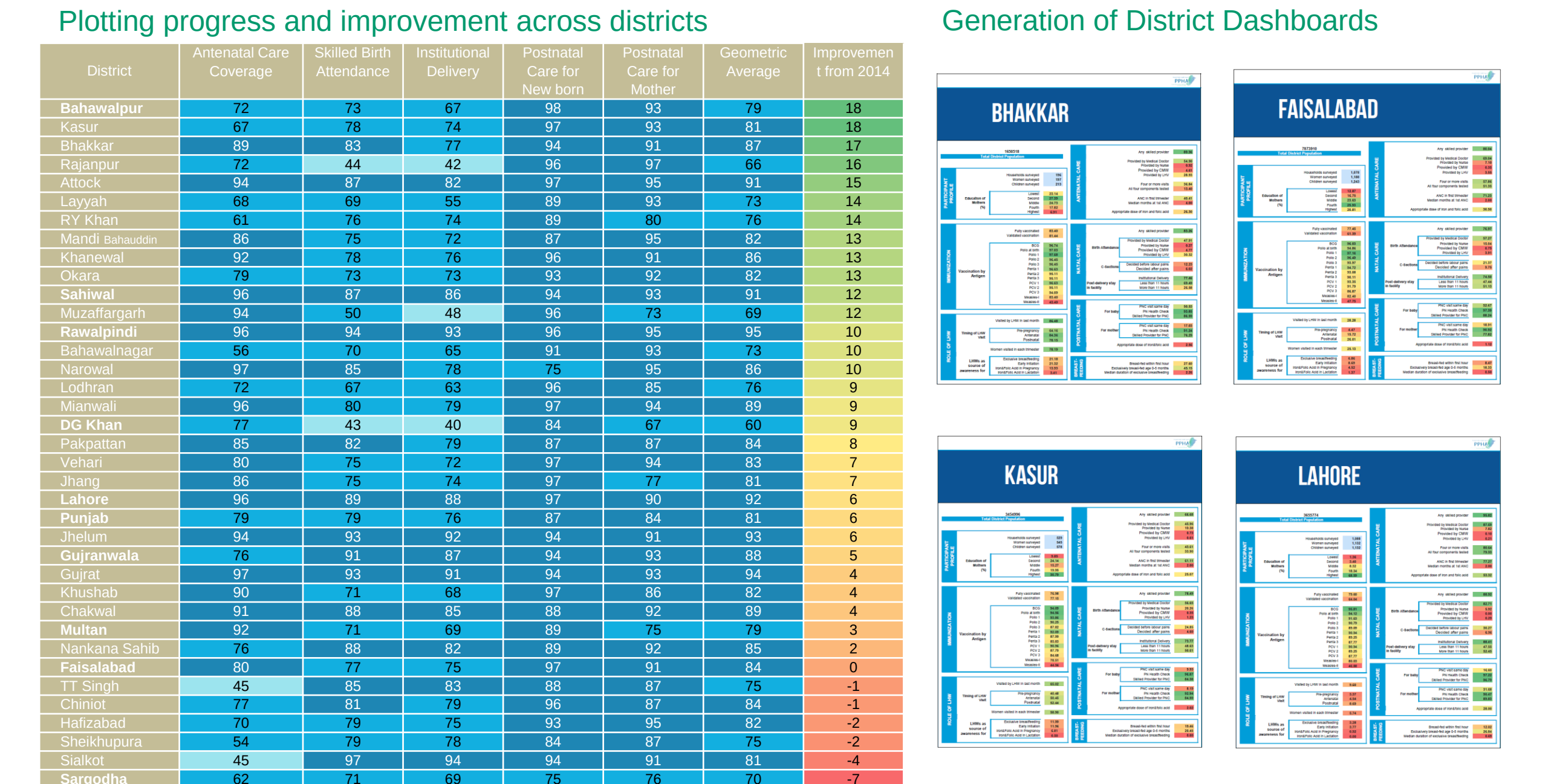
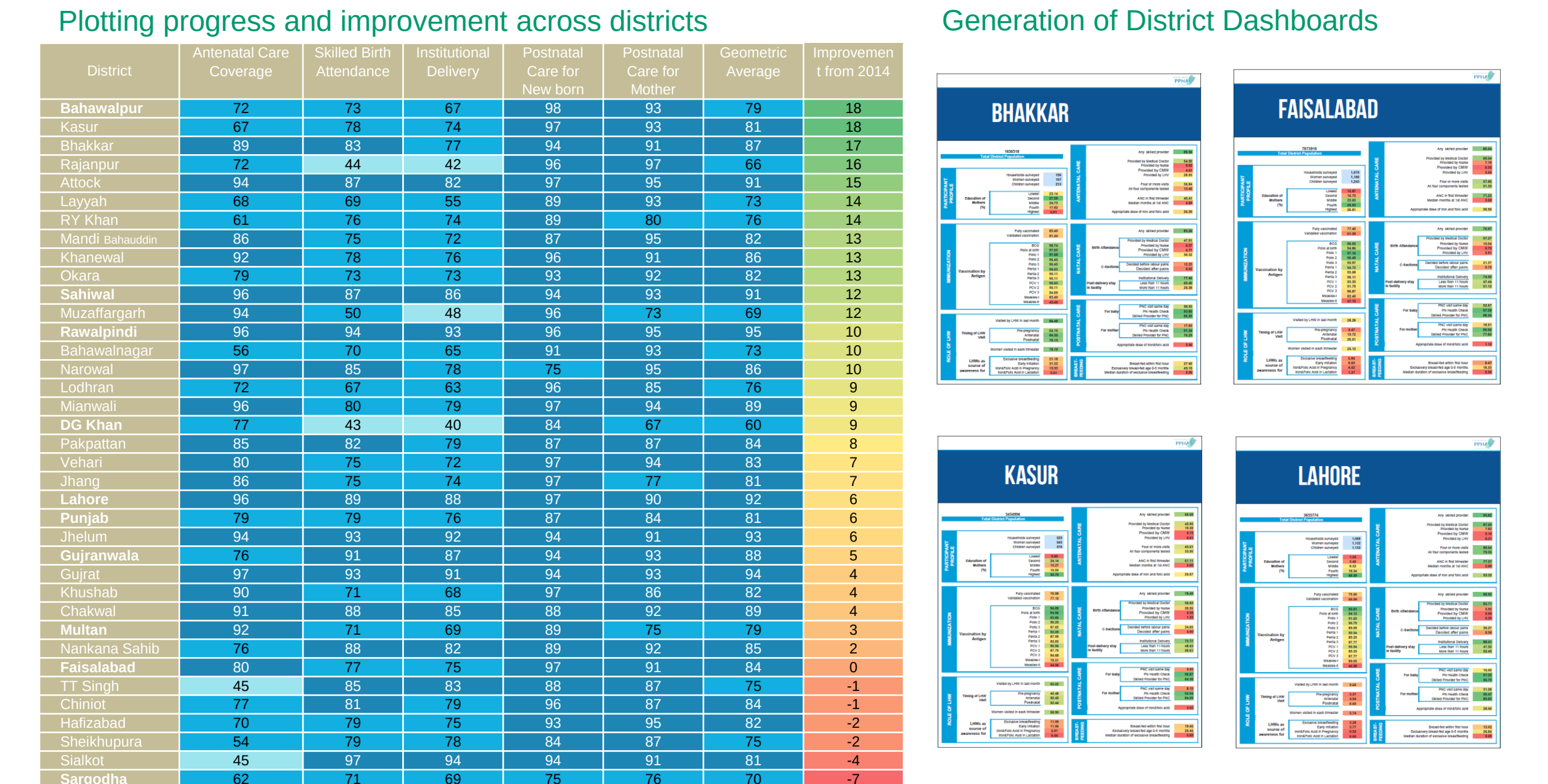
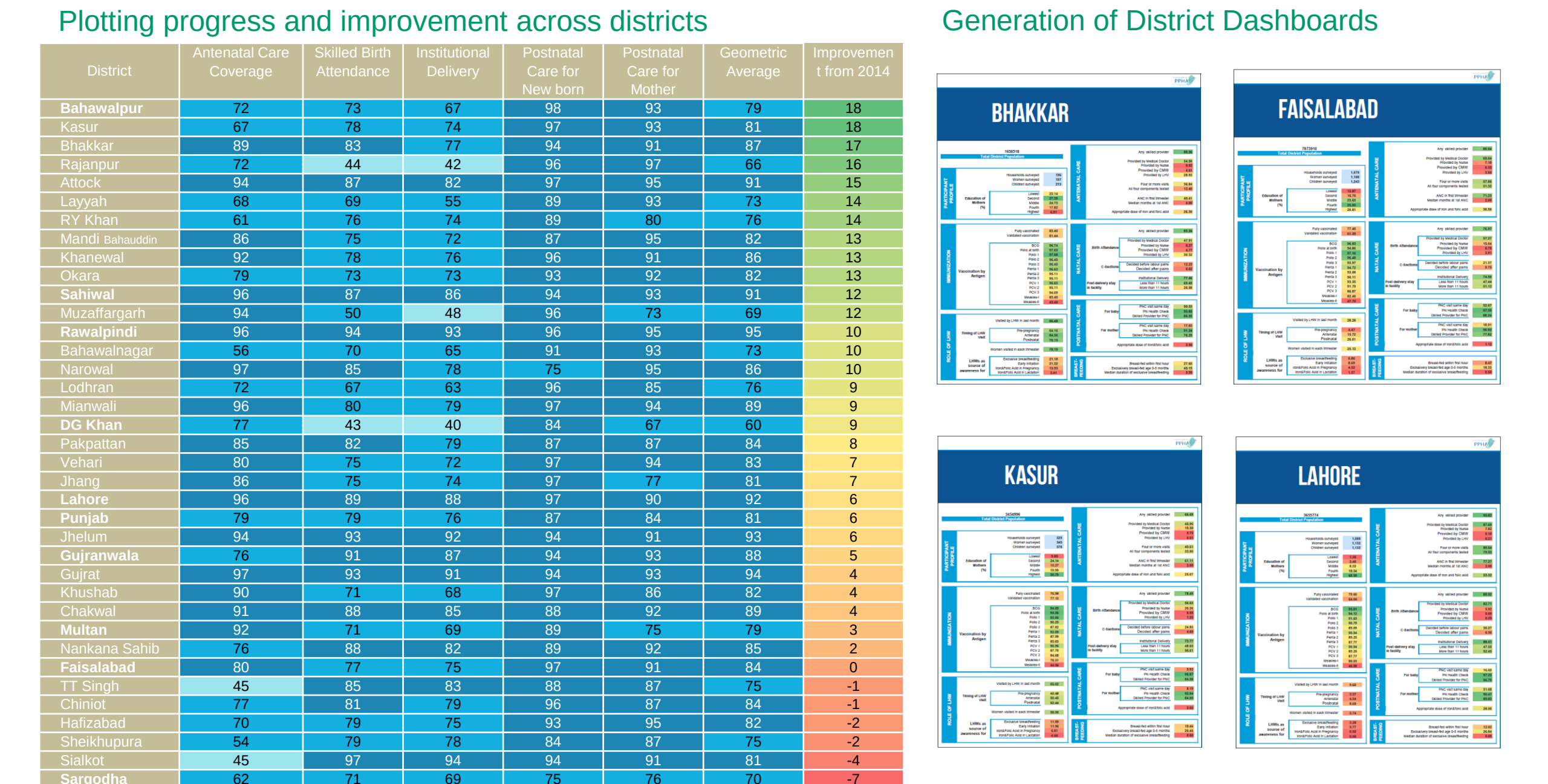
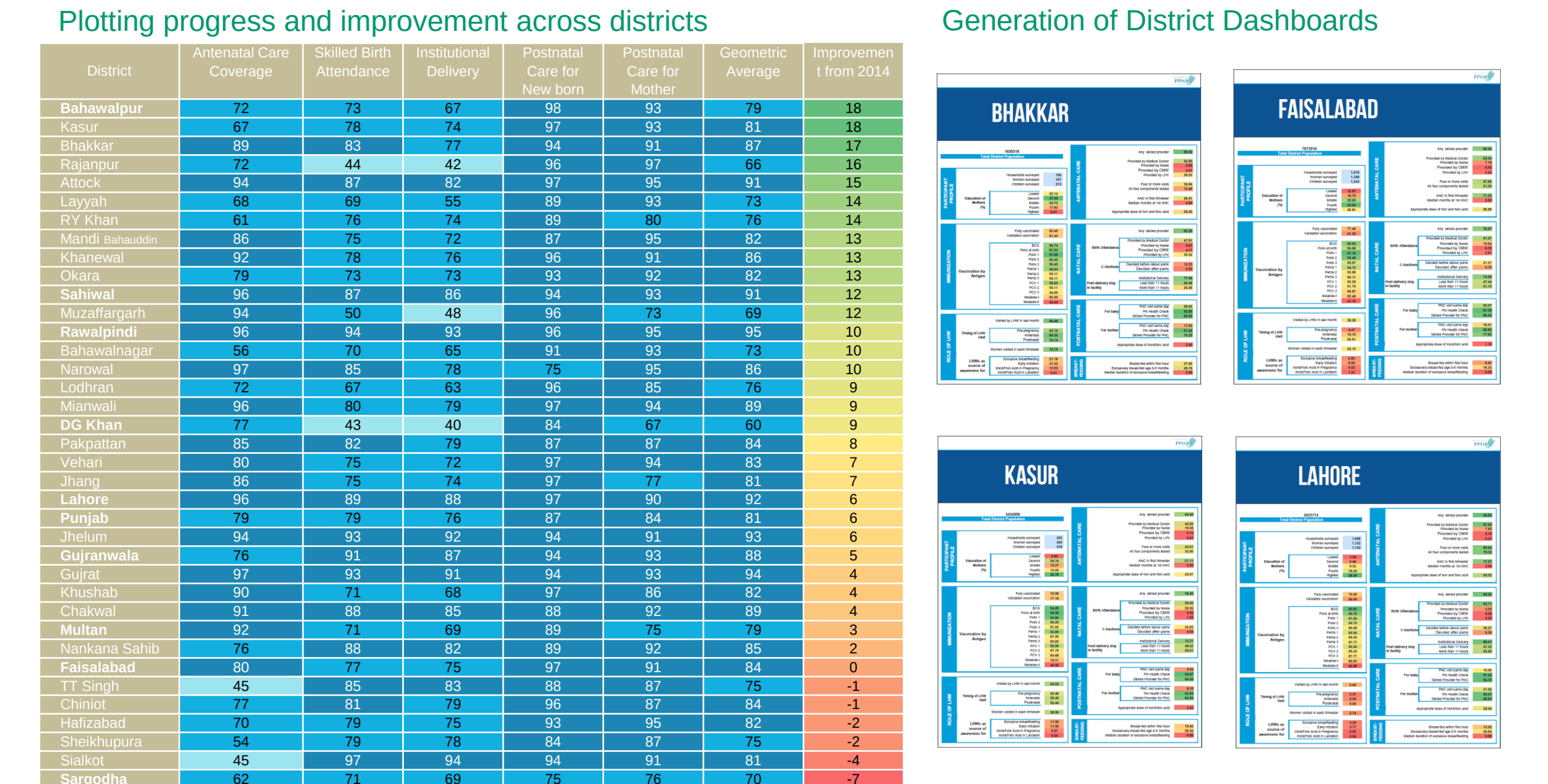
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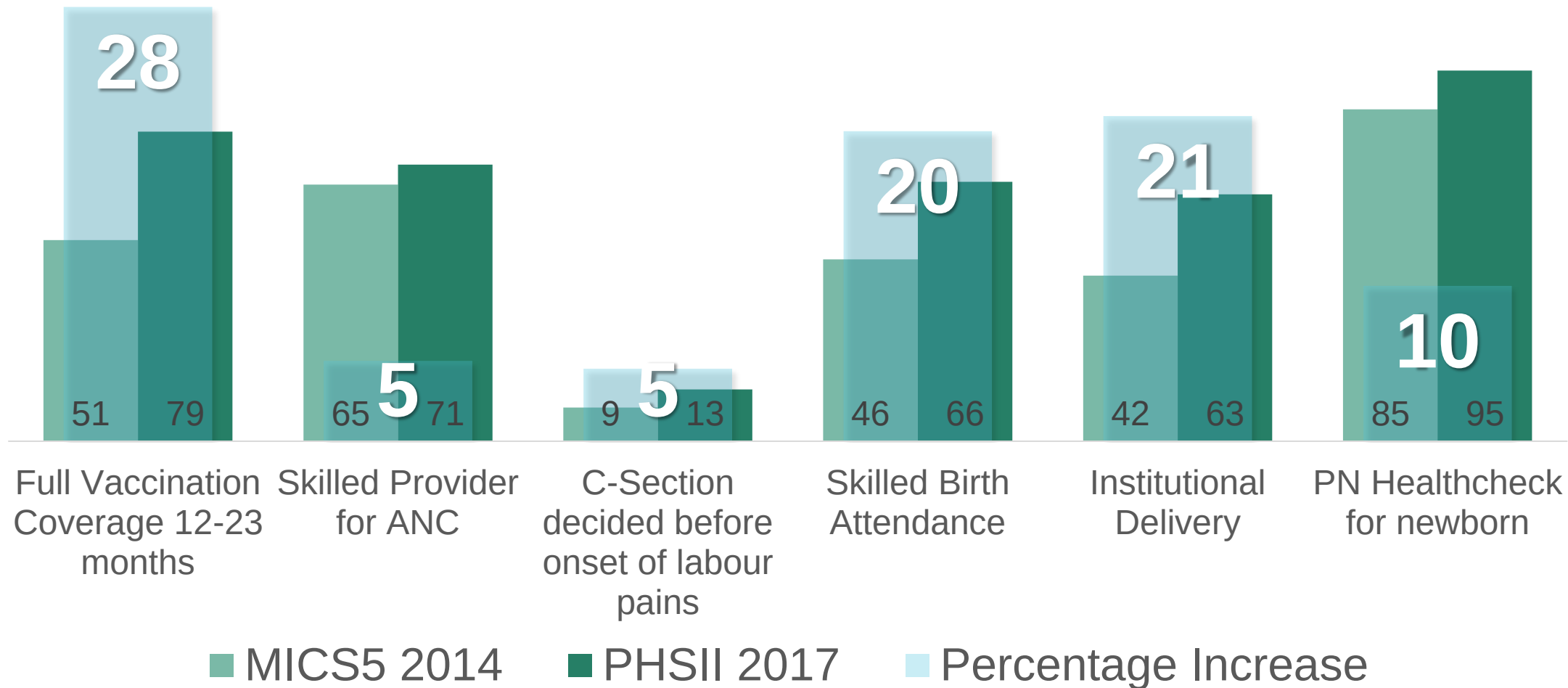
Appropriate dose of iron and folic acid: 26.3%

REMARKS/REVISIONS

- Breast fed within first hour: 10.8%
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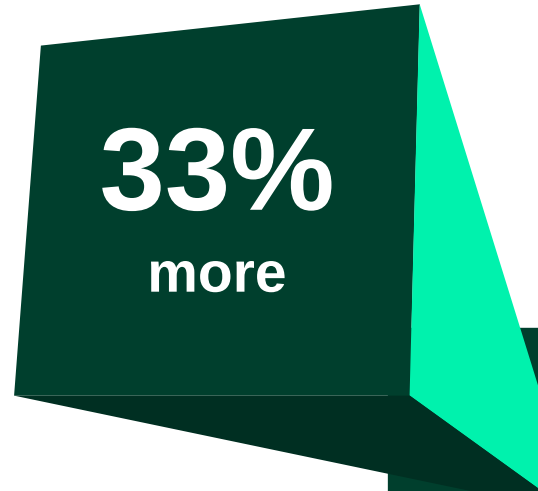


In 2 years, served more women with little or no education

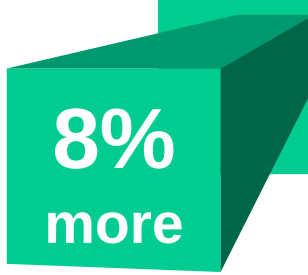


In 2 years, served women from poorest wealth quintiles

Full
Vaccination
Coverage in
12-23
months
children



Postnatal
Health
checks for
Newborns



Skilled
Provider for
Antenatal
Care



Skilled Birth
Attendance
&
Institutional
Deliveries

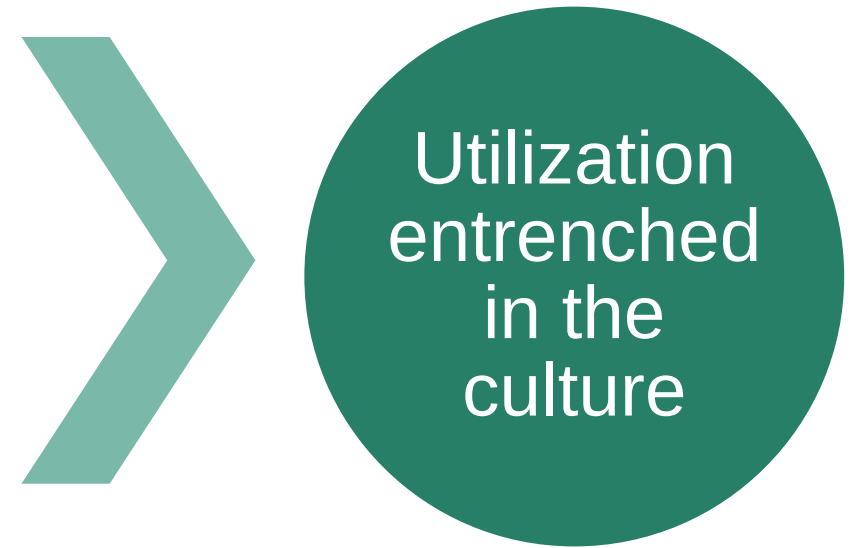
Systematic Change in Attitudes and Approaches



- Policy makers utilizing the information
- Seeing results from PHS II & demonstrated improvement in selected districts

Capacities enhanced

- Of National and Provincial bureaus with trainings and work exposure with international & national experts
- Data collection cycle made robust at all stages to ensure utilization



- Emerging demand from strengthened statistics systems
- Enhanced and visible accountability

Utilization Entrenched in Culture – Strengthened Data Ecosystem

Policy-Makers demanding district data on various indicators for targeted program design – including surveys, operational data and other information for a comprehensive overview

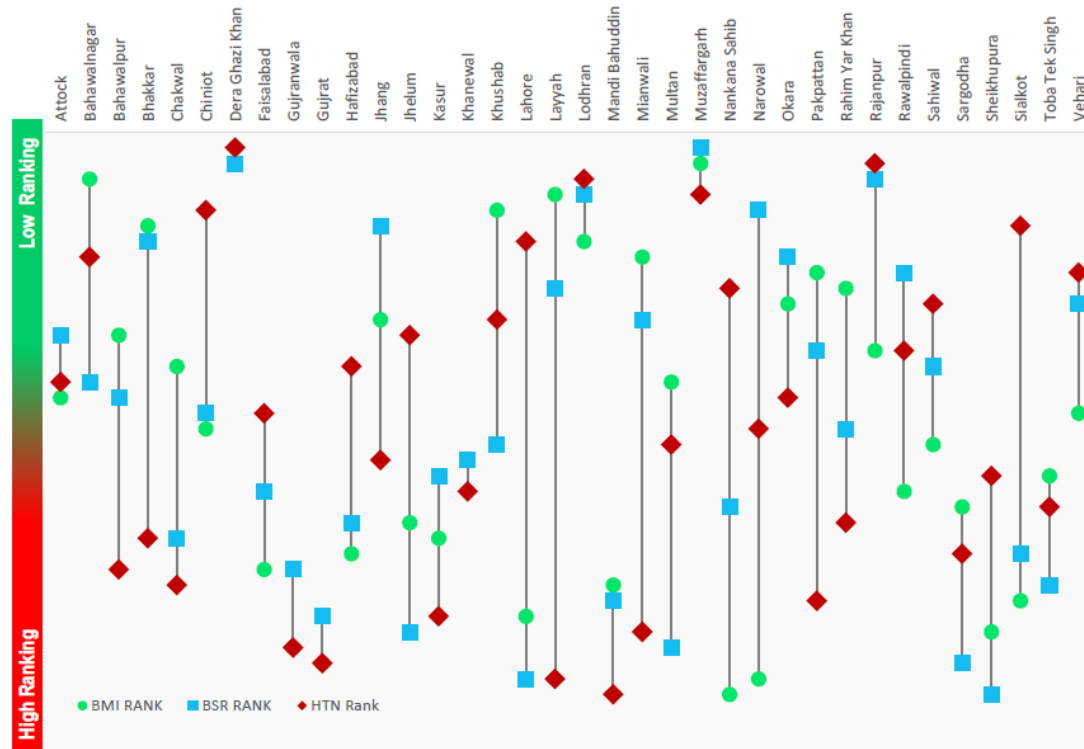


Primary & Secondary
Healthcare Department



PPHA

DISEASE PROFILE



Unlike the risk profiling, this is plotting of ranking developed on the basis of actual results of each districts' population i.e. actual blood pressure values, actual random blood sugar values and actual BMI. On the basis of the population falling into the disease categories, districts were ranked and plotted on the chart. For example, all three indicators for District Lodhran and Dera Ghazi Khan fall in the low ranking, as opposed to District Gujrat and Mandi Bahauddin.

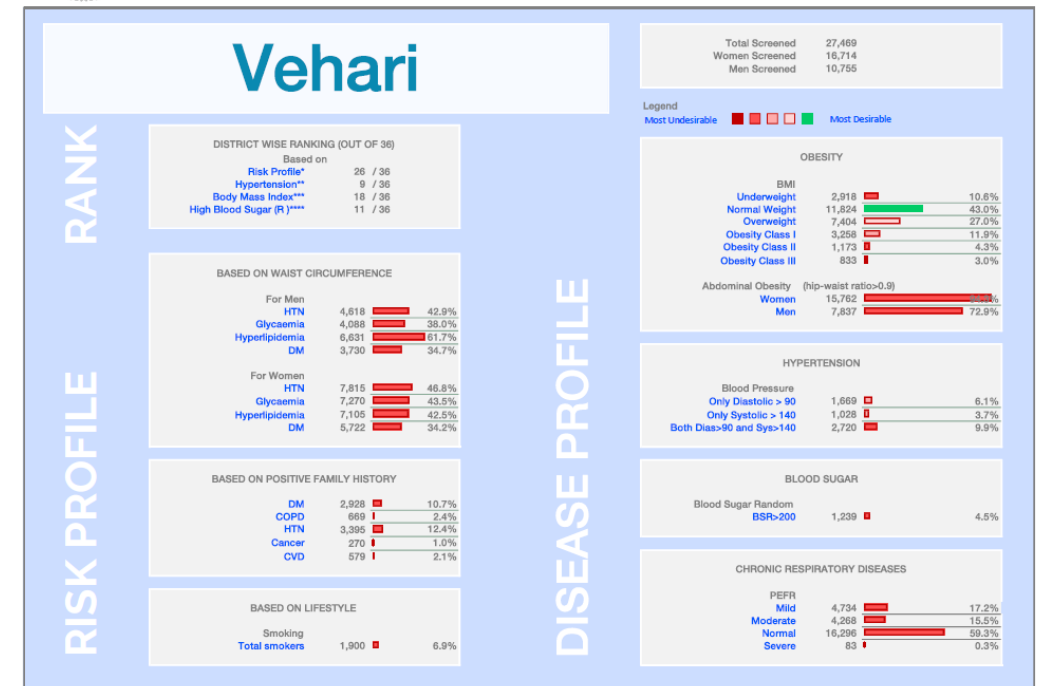


Primary & Secondary
Healthcare Department

District NCD Profiles



PPHA



Based on 799,547 people who were screened in the Punjab Health Week # 2 held in February 2018 in 700 health facilities all over Punjab, and predominantly consists of active health-services seeking people

Newly
Launched
Programs

1. National Population Resource Center

Using data to
address the
national FP
Situation



Bringing together multiple data sets for 360° narrative

NIPS

- PDHS Survey Report - 35 FP indicators
- Pakistan Maternal Mortality Survey
- Population Projections

PBS

- Contraceptive Prevalence Report
- Service Statistics from DOH facilities
- Service Statistics from PWD facilities
- Service Statistics from LHW Program
- Service Statistics from 3 INGOs (Greenstar, MSI, Rehnuma FPAP)

USAID CLMIS

- Service statistics from for 15000 facilities for DOH and PWD except those of Bal and MNCH Centres in KPK
- Contraceptive Logistic Statistics (Stocks - SMS alerts for Stockout; Consumption - Issued data ; Pipeline data

Population Council

- Establishing Population Study Centres at QAU and FC College
- FP Module addition in National Health Accounts
- BISP Voucher Scheme data
- FP Expenditure study of donors, NGOs and govt

CRVS Initiative at Planning commission

- Supported by UNICEF and WHO
- Birth, Death and Migration Data
- Pilot to start with ICT in 2019

FP Track2020

- Trainings of provincial focal points
- 18 indicators if FP 2020 tracked based on survey data using FP estimators
- Data not received from ICT, Baluchistan and Sindh; AJK started now

UNFPA

- Annual Stock out and availability report
- Population Projections

MoNHSRC

- No data being received from ICT or the provinces
- Required to report biannually to the national FP Taskforce on pop growth rate, mCPR and Fertility Rates

Central Population data Hub – Program Approved

National

Line Ministries & Departments

- DHIS, Service Statistics
- Bureau of Statistics
- National Institute of Population Studies

Private Sector Partners

- Private Think-Tanks & NGOs
- Research Organisations and Centers

Academia

- Higher Education Institutions
- Universities
- Centers of Excellence

International

Development Partners

- UN Agencies
- Bilateral Agencies
- Multilateral Partners (Gates, Packard)

COVID19- Responsive National Population Resource Center

Data Hub, Policy Analysis
and Planning

Outputs

- Data for Effective Development Planning
- Insights for Policy Actions
- Evidence for Effective and Responsive Program Designing and Planning



Newly
Launched
Programs
2.

Strengthen Critical Care Management

Using data to
build back better
post COVID-19



Data-Driven Practical Solutions based on information and data banks lauded globally

- **Pakistan cited by World Economic Forum** as one of the seven countries to take COVID19 Management Lessons from
- One of the key contributors: smart lock down policy



7 countries we can all learn from to fight future pandemics, according to the WHO



Utilised all available Data resources



Shifted from traditional data sources to Modern, updated digital transformations



Developed geographic database to link data to produce heat maps



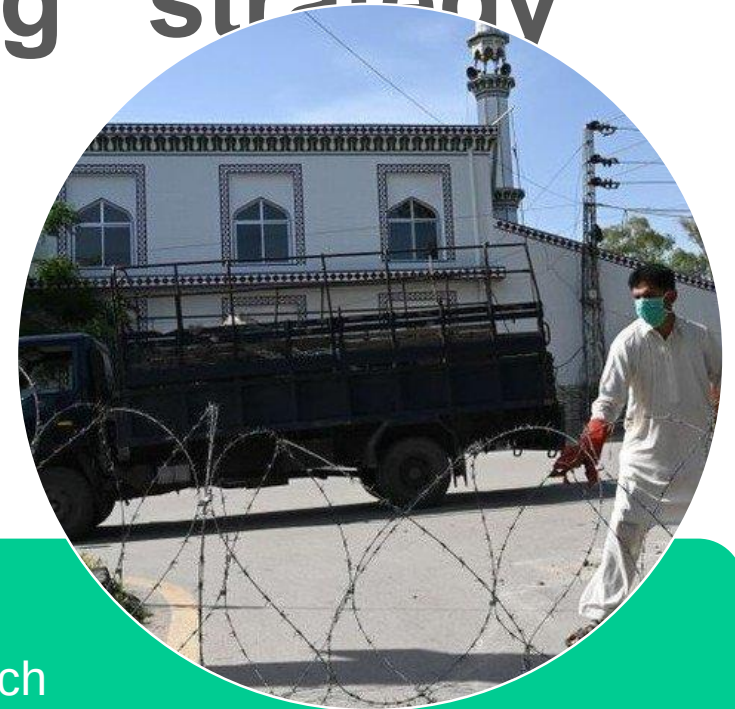
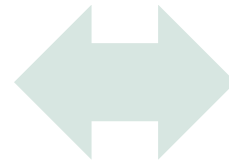
Linked maps with heat mapping for efficient geographical area planning

Unpacking the Smart Lockdown; and Ttq “Testing tracing and Quarantining” strategy



TTQ designed to

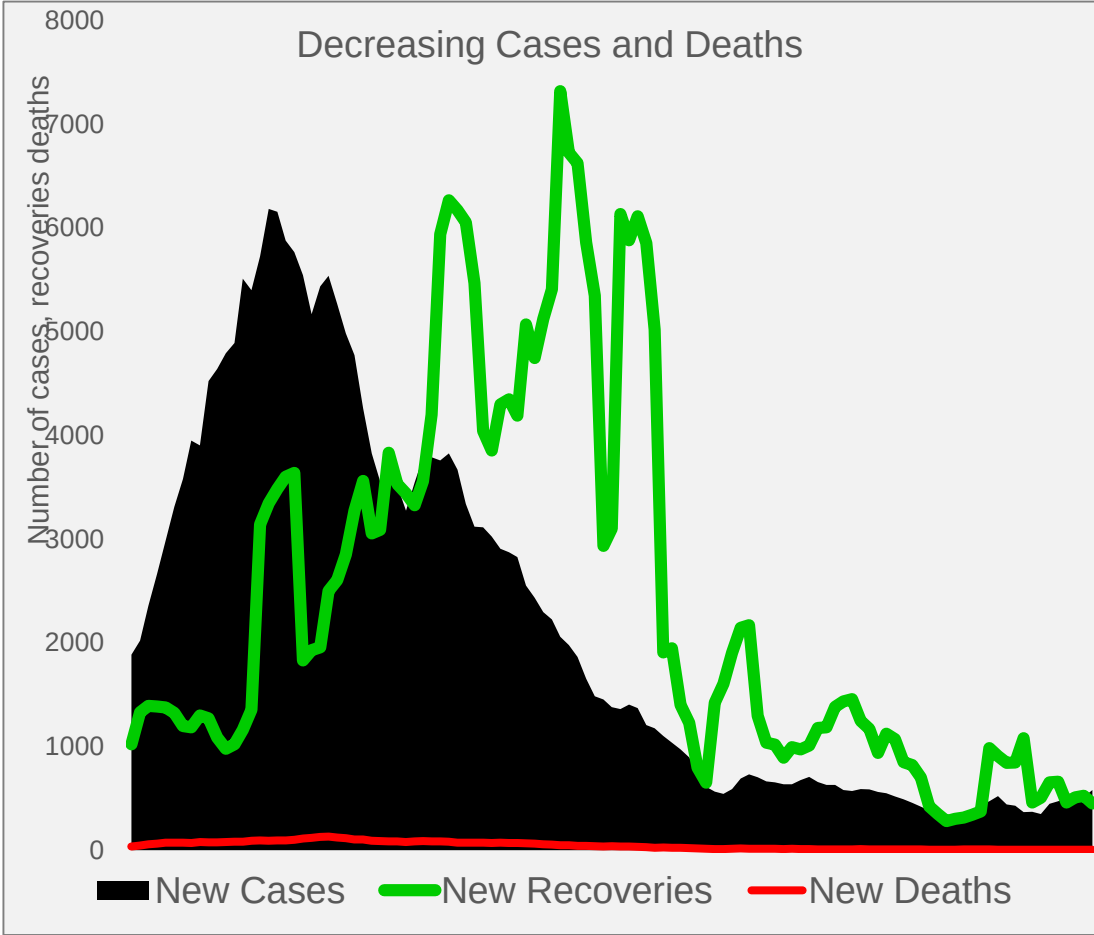
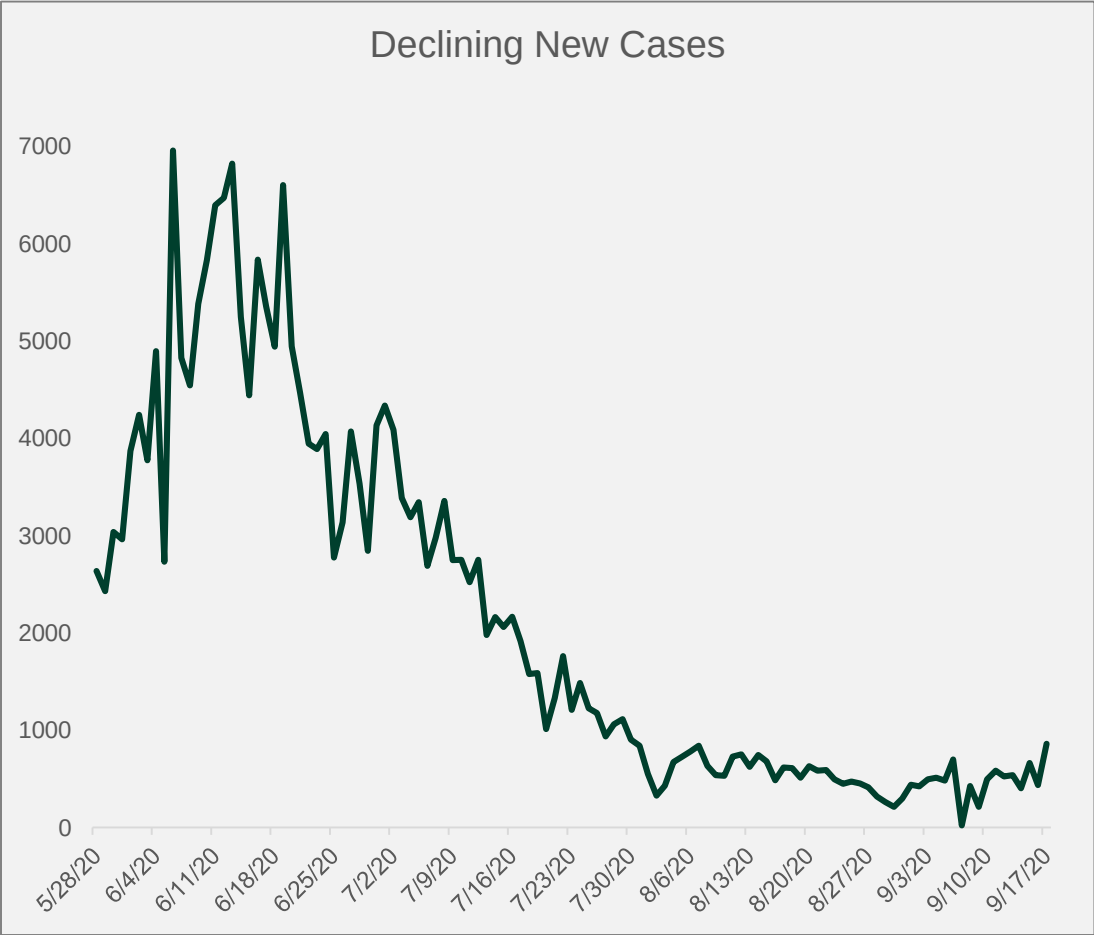
- Identify disease spread
- Prevent spread of disease while sectors open up
 - Ramp up of testing
 - Rapidly contact trace
- Effectively quarantine infected individuals



Data-driven Approach

- Matched confirmed patient data provided by National Command & Operation Center
- Data matched through IDs at block level in population
- Areas of hot spread identified
- Key inputs informed smart lock down strategy of Government with lockdowns in red zones and ease of movement through rest

COVID19 Situation in Pakistan Today



Building Back Better Post COVID 19

Facility Assessment Digitized and Rolled Out

Tracked COVID cases, mortalities, district responses and facility capacities

Data Collection Live Tracking

Realtime Data Validation and Confirmation by Provincial Governments

Data Collection, Cleaning and Mining Completed in 14 days of roll-out

District status validated with Existing Surveys and District level indices

Provincial Analysis presented on 20th Day

Decisions for revamping announced

Districts	Number of Health Facilities	Total Population	% of HF's with						Number of Equipment Across Districts					
			Fibre-Optic Laryngoscope	Crash Trolley	Pump Volumetric Infusion	Panel Bedhead ICU Type	ICU Bed Monitor	ABGs Gas Machine	Fibre-Optic Laryngoscope	Crash Trolley	Pump Volumetric Infusion	Panel Bedhead ICU Type	ICU Bed Monitor	ABGs Gas Machine
Tando Muhammad Khan	4	677,228	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Matiari	3	769,349	0%	0%	0%	0%	0%	0%	1	1	0	0	0	0
Sujawal	3	781,967	33%	0%	0%	33%	33%	0%	2	4	0	4	4	0
Tando Allahyar	1	836,887	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Thatta	1	979,817	0%	0%	0%	100%	100%	0%	1	3	1	3	3	0
Jamshoro	1	993,142	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Jacobabad	3	1,006,297	0%	0%	0%	0%	0%	0%	0	1	0	0	0	0
Umerkot	2	1,073,146	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Kashmore	2	1,089,169	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Shikarpur	2	1,231,481	0%	0%	0%	0%	0%	0%	0	2	0	0	6	0
Kamber Shahdadkot	4	1,341,042	0%	0%	0%	0%	0%	0%	0	5	0	0	0	0
Sukkur	3	1,487,903	33%	0%	33%	33%	33%	0%	8	8	40	15	8	1
Mirpurkhas	4	1,505,876	0%	0%	0%	25%	0%	0%	0	7	0	4	0	0
Larkana	2	1,524,391	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Dadu	4	1,550,286	0%	25%	0%	0%	0%	25%	0	3	0	0	1	2
Naushahro Feroze	3	1,612,373	33%	0%	33%	0%	0%	0%	2	8	6	0	0	0
Shaheed Benazirabad	1	1,612,847	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Ghotki	4	1,647,239	50%	0%	0%	25%	0%	0%	9	5	0	11	0	0
Tharparkar	5	1,649,661	0%	0%	0%	0%	20%	0%	0	1	0	0	12	0
Sanghar	5	2,057,057	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0
Khairpur	1	2,405,523	0%	0%	0%	100%	0%	0%	0	0	0	8	0	0

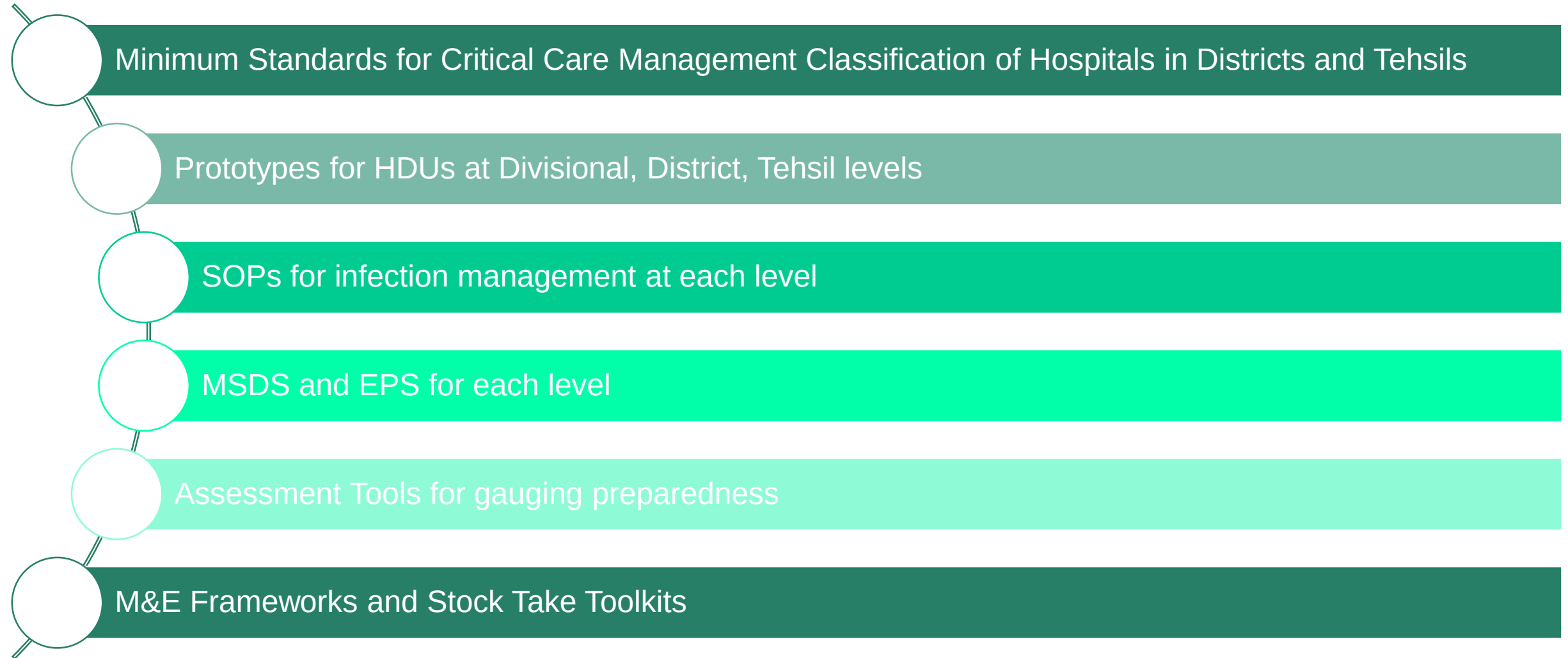
District	Total THQs and DHQs	Population	COVID-19		Testing Capacities		Critical Care Beds		Total Ventilators		Admissions for COVID
			Cases To-date	Deaths To-date	as per NCOC	as reported	as per NCOC (Allocated for C19)	as reported	as per NCOC	as reported	
TORGHAR	0	170,881	6	0							0
ORAKZAI	2	258,777	134	2							0
TANK	2	458,722	84	0		100%	80	0	2	0	0
CHITRAL	1	469,566	631	5		25%	30	4		4	0
MOHMAND	2	489,659	114	2		0%	0	10	0	10	0
BATTAGRAM	2	507,229	342	16		100%	50	6	5	6	0
HANGU	3	557,026	202	8		0%	15	5	7	5	1
KURRAM	0	648,807	624	13							0
KARAK	4	757,796	478	25		67%	61	15	7	15	0
MALAKAND	1	769,514	1575	40		100%	40	10	40	10	2
SHANGLA	1	820,002	410	3		0%	10	9	0	9	0
KOHISTAN	1	843,318	49	0			7				0
BUNER	1	973,260	480	11		0%		4		4	0
LAKKI MARWAT	0	983,420	71	1		0%		0		0	0
DIR UPPER	4	1,015,827	872	12		0%	54	20	7	20	3
HARIPUR	4	1,057,383	634	13		100%	19	3	5	3	0
KHYBER	1	1,073,234	744	10		0%	190	20	1	20	0
BAJOUR	3	1,192,489	594	33		50%		0		0	0
KOHAT	4	1,201,132	774	33		100%	90	20	2	20	3
WAZIRISTAN	2	1,302,099	103	4		33%	52	62		62	0
BANNU	2	1,312,026	228	8			67		7		0
ABBOTTABAD	3	1,414,943	1609	91		100%	65	10	30	10	7
DIR LOWER	3	1,587,496	1707	42		100%	30	15	4	15	2
NOWSHERA	5	1,643,203	962	47		0%	59	0	15	0	2
MANSEHRA	4	1,664,339	708	18		33%	10	52	8	52	1
CHARSEHRA	3	1,725,425	881	15		100%	15	11	6	11	2
SWABI	3	1,733,989	484	29		100%	56	0	26	0	7
DERA ISMAIL KHAN	0	3,858,616	461	18		100%	22	0	11	0	3
SWAT	8	2,318,051	3007	101		50%	650	0		0	0
MARDAN	6	2,342,990	1252	59		200	169	0	26	0	5
PESHAWAR	10	4,812,743	13393	3400			594	179		45	

17 districts
With COVID-19 testing capacities

163 deaths
Reported in districts with no critical care beds

Strengthening Critical Care Management Post-COVID19

Creation of Solutions Developed based on Data



Projects in Mapping gender and Youth Indices

Aiming to
development
District Dashboards



Working on Improving Gender and Youth Development at district levels

Plotting Available Information Resources

- Data Sources Mapping
- Stakeholder Consultation
- Meetings with Bureaus, UN Women, UNDP

Way Forward

- Organization and Efforts for Youth-Focused Survey on a nationally devised Youth-Development Index in alignment with international indices and gender segregated data
- Collection of data at district levels to plot districts' performance and progress

82 indicators plotted across 8 parameters and 6 global indices with national presence and reporting status

		Index Coverage							Current Reporting Status				
	82	5	5	14	9	12	35	17	0	0	9	46	0
N o.	Indicator	HDI- GDI	HDI-GII	GGGI - WEF	SDG 5 Indicators	Propo sed for Pakist an for YDI	Global Youth Well-being	Commonwe alth Youth Development Index	Status (Survey or operational data)	District Level	Provincial Level	Nationa l Level	Sex Dis- aggregated d Data available
96	Volunteered time (15-29)	No	No	No	No	No	Yes	Yes	Not Known	No	No	Yes	Not Available
97	Helped a stranger (15-29)	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
4	Estimated gross national income	Yes	No	No	No	No	No	No	LFS	No	No	Yes	Available
5	Estimated gross national income	Yes	No	No	No	No	No	No	LFS	No	No	Yes	Available
11	Labour force participation rate	No	Yes	Yes	No	No	No	No	ILOSTAT database	No	No	Yes	Available
12	Wage equality for similar work	No	No	Yes	No	No	No	No	WEF-EOS/LFS	No	No	Yes	Available
13	Estimated earned income	No	No	Yes	No	No	No	No	HDR	No	No	Yes	Available
14	Legislators, senior officials	No	No	Yes	No	No	No	No	ILOSTAT/LFS	No	No	Yes	Available
15	Professional and technical	No	No	Yes	No	No	No	No	ILOSTAT/LFS	No	No	Yes	Available
89	Share of youth not in employment	No	No	No	No	Yes	Yes	Yes	Not Known	No	No	Yes	Not Available
90	Ration of youth unemployment	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
92	Existence of account at a financial institution	No	No	No	No	Yes	No	Yes	Not Known	No	No	Yes	Not Available
2	Expected years of schooling	Yes	No	No	No	No	No	No	HIES	No	No	Yes	Available
3	Mean years of schooling (SDG)	Yes	No	No	No	Yes	No	No	HIES	No	No	Yes	Available
9	Population with at least some secondary education	No	Yes	No	No	No	No	No	HIES	No	No	Yes	Available
16	Literacy rate	No	No	Yes	No	Yes	No	No	UNESCO-ISEI/HIES	No	No	Yes	Available
17	Enrolment in primary education	No	No	Yes	No	No	No	No	UNESCO-ISEI/HIES	No	No	Yes	Available
18	Enrolment in secondary education	No	No	Yes	No	No	Yes	Yes	UNESCO-ISEI/HIES	No	No	Yes	Available
19	Enrolment in tertiary education	No	No	Yes	No	No	No	No	UNESCO-ISEI/HIES	No	No	Yes	Available
82	Digital Native Rate	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
25	Share in agricultural land (rural population)	No	No	No	Yes	No	No	No	PDHS	Not Known	Yes	Yes	Available
27	Legal framework gender parity	No	No	No	Yes	No	No	No	NCSW	Not Known	Yes	Yes	Available
32	Guaranteed Gender equality	No	No	No	Yes	No	No	No	NCSW, MoHR, MoE	Not Known	Yes	Yes	Available
1	Life Expectancy at birth (SDG)	Yes	No	No	No	No	No	No	PDHS (raw data)	No	No	Yes	Available
6	Maternal mortality ratio (SDG)	No	Yes	No	No	No	No	No	PDHS	No	No	Yes	Available
7	Adolescent birth rates (SDG)	No	Yes	No	No	No	No	No	PDHS	No	No	Yes	Available
20	Sex ratio at birth	No	No	Yes	No	No	No	No	UNDP-WPP/PDHS	No	No	Yes	Not Known
21	Healthy life expectancy, years	No	No	Yes	No	No	No	No	WHO-GHOD/PDHS	No	No	Yes	Available
33	Decision-making on sexual and reproductive health	No	No	No	Yes	No	No	No	PSLM	Not Known	Yes	Yes	Available
38	Child Marriage (Indicator 5.6.2)	No	No	No	Yes	Yes	Yes	No	DHS	No	Yes	Yes	Not Available
83	Youth mortality rate	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
84	Drug abuse rate by YLL (15-64)	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
85	HIV rate (15-24)	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
86	Alcohol abuse rate by YLL (15-64)	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
87	Mental disorder rate by YLL (15-64)	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
88	Score on Global Well-being Index	No	No	No	No	No	No	Yes	Not Known	No	No	Yes	Not Available
91	Adolescent fertility rate (births per woman)	No	No	No	No	No	Yes	Yes	Not Known	No	No	Yes	Not Available
26	Mobile phone ownership (15-64)	No	No	No	Yes	No	No	No	PSLM/HIES	Not Known	Yes	Yes	Available
8	Share of seats in parliament	No	Yes	No	Yes	No	No	No	ECP	No	Yes	Yes	Available

Projects in Pipeline Engagin g Universi ties for SDGS

Transforming
Academia into Hubs
of Sustainable
Learning

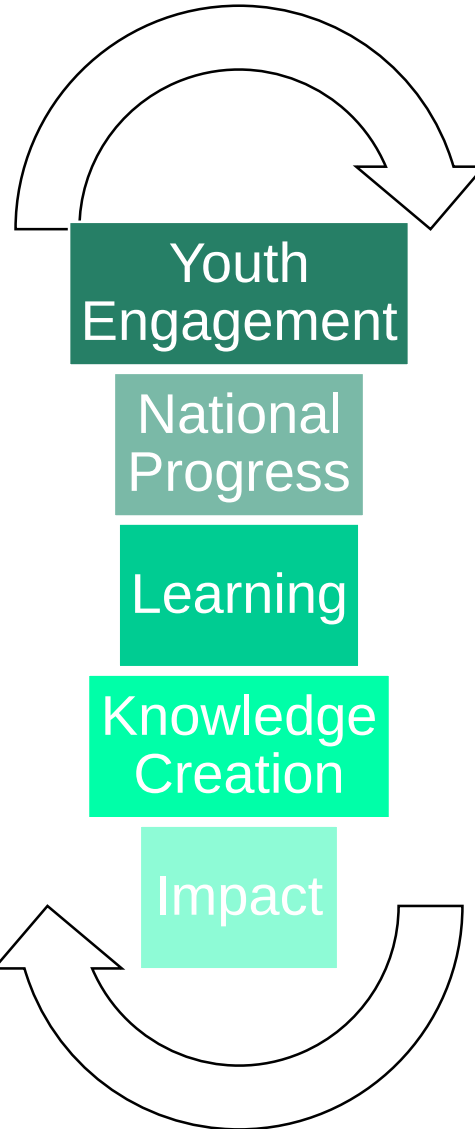


Mutual Gains



Increased Demand of SDGs-aligned Education
Globally responsive University Education
Framework to create & demonstrate impact
Creation of funding streams
Development of collaborations with interest groups externally and internally

SDGS HELPING UNIVERSITIES



Knowledge-Brokering
Provide intelligence, evidence, solutions to Pakistan's SDGs agenda
Create current and future SDG implementers in the youth
Demonstrate integration of SDGs in governance, operations, education and communities
Develop framework to create and nurture cross-sectoral leadership in youth

UNIVERSITIES HELPING SDGS

Engaging Universities for SDGs

Overview of Components of SDGs Covered to Assign to UNIs

SDG	Goals	Targets	Indicators	PSLM	PDS	Labour Force	National Accounts	Price Statistics	Social Statistics	Agriculture Census	PBS Indicators - institutional	Total Indicators reported
1	Poverty	7	10	4		1						50.0%
2	Nutrition	8	14	2				1		3		42.9%
3	Health	13	26	9	1				1			42.3%
4	Education	10	11	3		1						36.4%
5	Gender Equality	9	14	3		1						28.6%
6	Water & Sanitation	8	11	2								18.2%
7	Energy Economic Growth	5	6	2								33.3%
8	Decent work	12	15			6	3					60.0%
9	Infrastructure	8	12	1		1	2					33.3%
10	Inequality among countries	10	11	2		1						27.3%
11	Sustainable Cities	10	15	1								6.7%
12	Consumption & Production	11	13									0.0%
13	Climate Change	5	6									0.0%
14	Marine resources	10	10				1					10.0%
15	Ecosystems	12	12							1		8.3%
16	Peaceful Societies	12	21	1					1			9.5%
17	Global Partnerships	19	25	1							3	16.0%
TOTAL		169	232	31	1	10	6	1	2	4	3	25.0%

Engaging Universities for SDGs



Developing University Research Agenda

Understanding Pakistan's National Research Agenda on SDGs

Localizing the SDG agenda – translating international learnings to local context

Developing research questions and deriving pathways for solutions

Supporting full spectrum of research approaches to address Pakistan's SDG agenda

Support and incubate solutions for SDGs

Supporting provinces in operationalization of the SDG framework – modelling / future insight / back-casting

Tracking Universities' Performance

Sample Quarterly First-Level Dashboard

Activities

[Tracking University specific progress](#)

University-localized research agenda in place



SDG-inaugural bootcamp organized



Curriculum mapped to SDGs



SDG Mentorship Network initiated



Provincial LNR facilitated by University



Student Leadership Forum mobilized



Dr. Shabnum Sarfraz

Member Social Sector & Devolution

Ministry of Planning, Development & Special
Initiatives

Lead National COVID 19 Secretariat

Planning Commission

Government of Pakistan

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For more information: