



Redefining  
Primary Healthcare

**PPHI SINDH**  
Research & Training Wing



# COVID-19 Impact on Health Service Delivery @ PPHI HF's

A Comparative Analysis of Health Service Provision before and during COVID-19



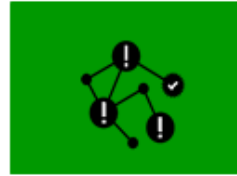
# PPHI SINDH's Portfolio



Redefining  
Primary Healthcare

## PPHI Sindh Operational Area

5  
Regions



25  
Districts

## PPHI HFs

302  
BHU+



870  
BHU/Dispensaries

## Staff Info

1599  
Medical Staff



5625  
Paramedical Staff

## EPI Centers and Staff

756  
EPI Centers

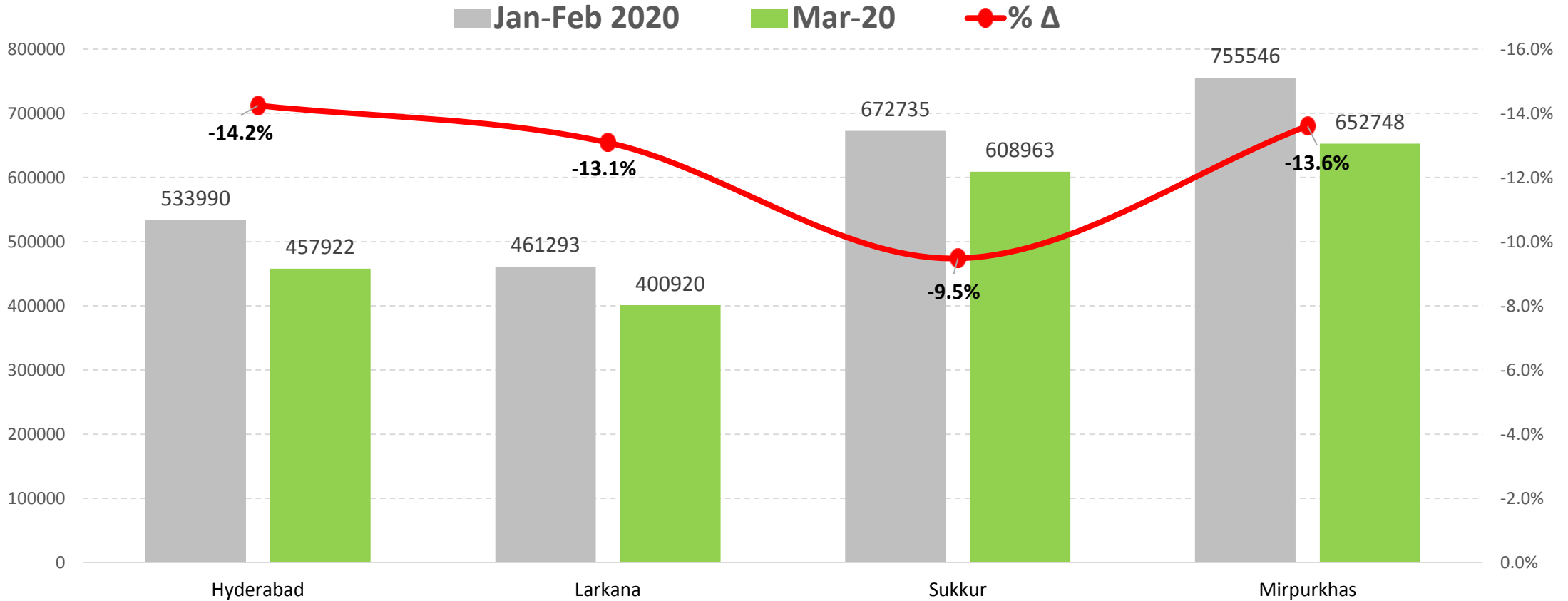


1369  
Vaccinators

# Out Patient Turnover & % Change Over Time

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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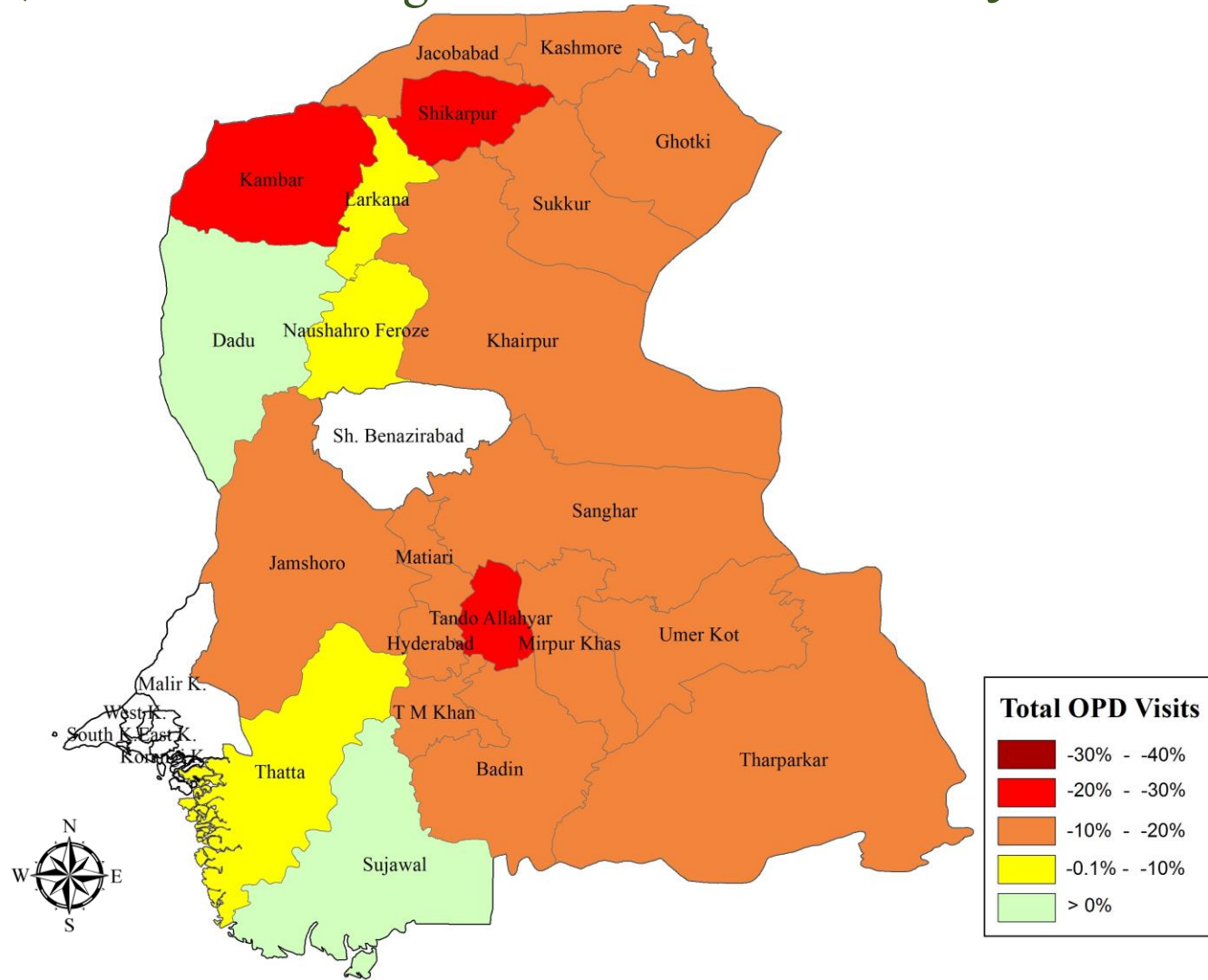


\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in OPD Turnover

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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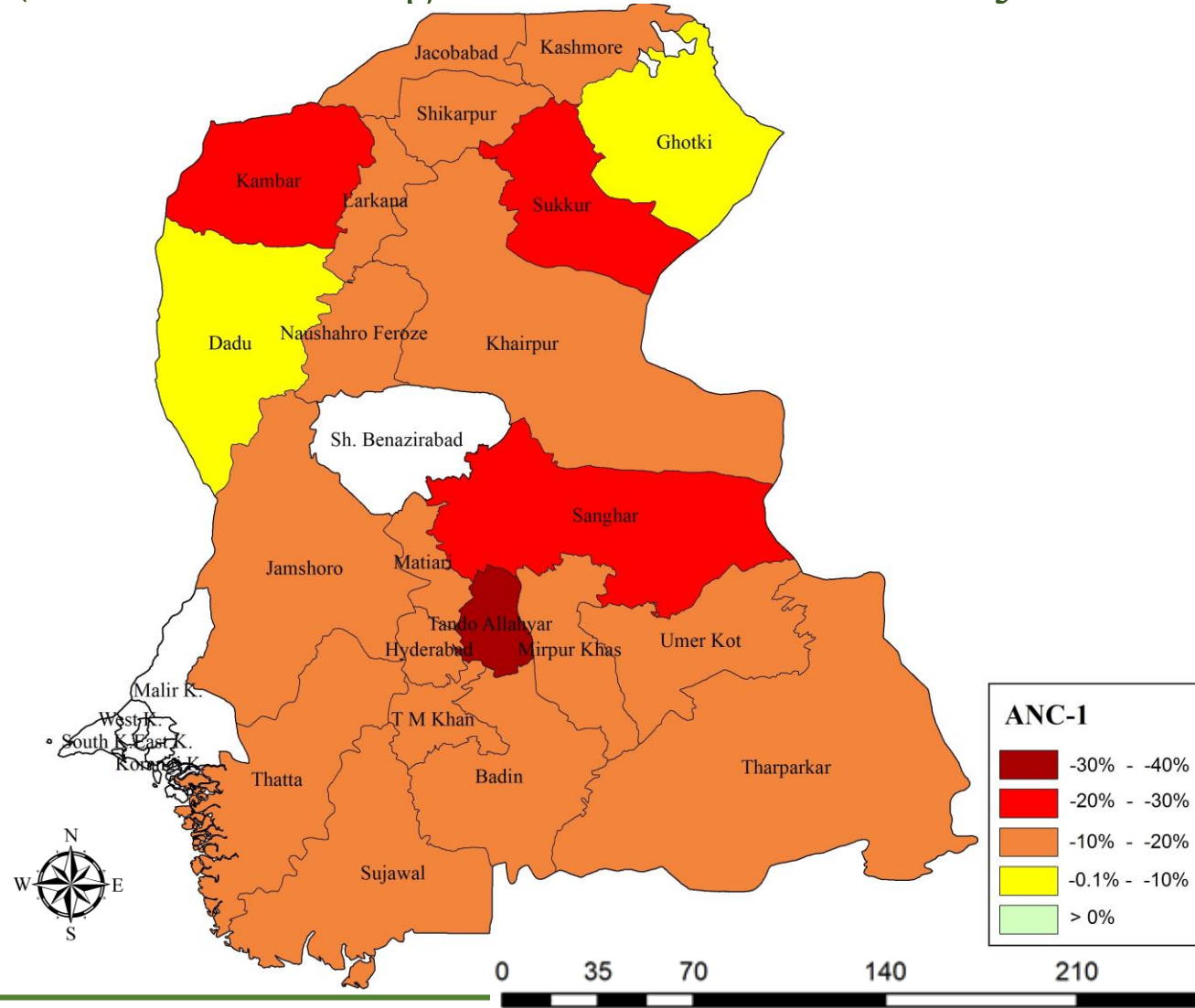
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
214-Sujawal	46303	46948	1.4%
212-Dadu	87017	87147	0.1%
242-Naushero Feroze	103965	101076	-2.8%
232-Larkana	83828	78849	-5.9%
217-Thatta	44476	40344	-9.3%
241-Khairpur	338473	304016	-10.2%
231-Jacobabad	72693	64791	-10.9%
245-Ghotki	120008	106441	-11.3%
213-Hyderabad	99577	88275	-11.3%
254-Umerkot	106803	94380	-11.6%
244-Sukkur	110289	97430	-11.7%
211-Badin	165737	145888	-12.0%
235-Kashmore	55846	48683	-12.8%
218-Matiari	101882	87821	-13.8%
253-Tharparkar	84197	72413	-14.0%
251-Mirpurkhas	175317	149860	-14.5%
252-Sanghar	223493	190207	-14.9%
219-Tando Muhammad Khar	67106	56596	-15.7%
215-Jamshoro	95448	80360	-15.8%
234-Kamber	103266	79878	-22.6%
216-Tando Allahyar	79200	57578	-27.3%
233-Shikarpur	58644	41572	-29.1%

\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in ANC Coverage

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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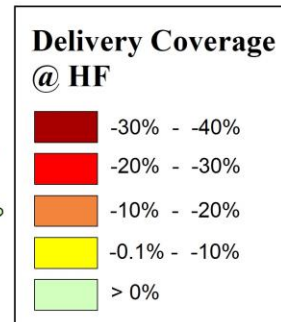
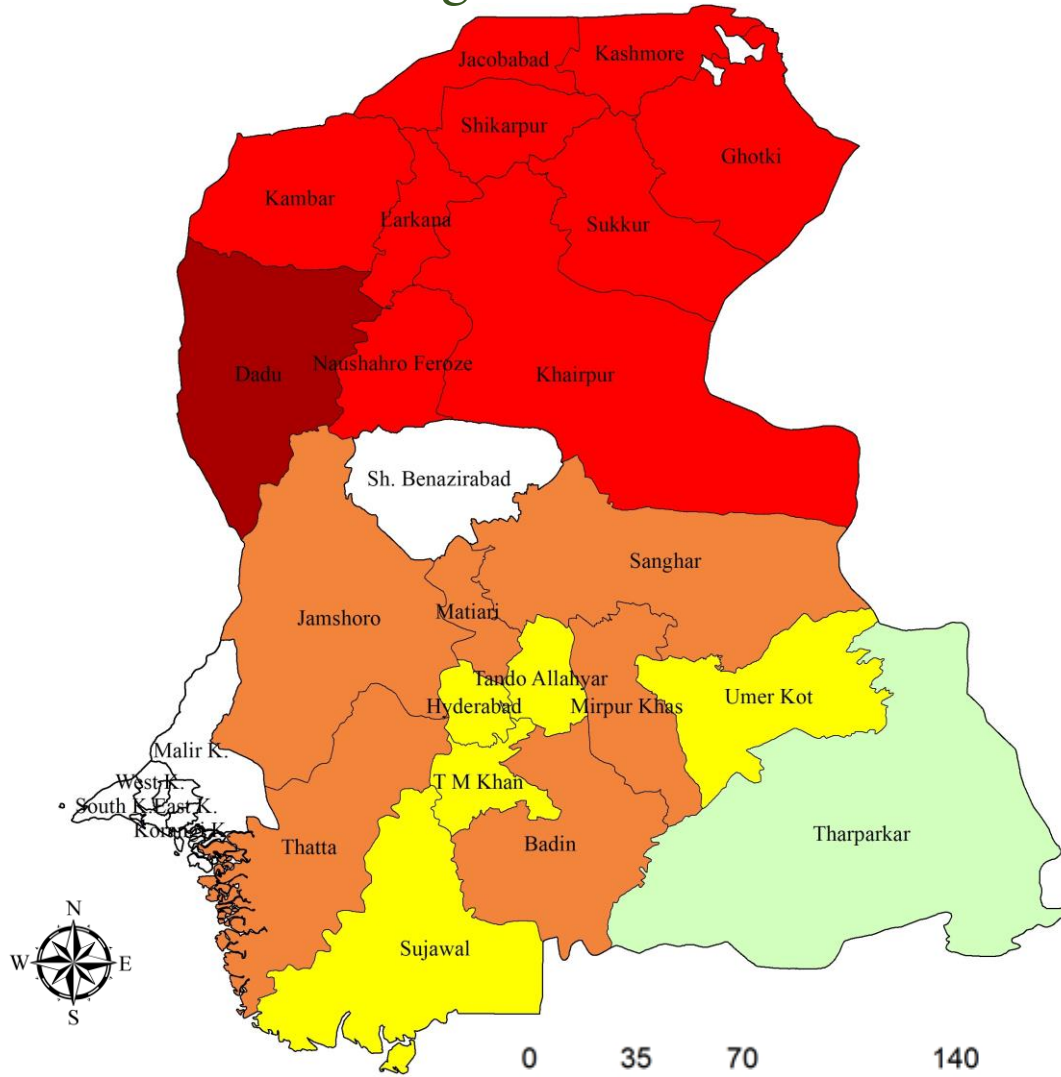
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
245-Ghotki	2436.5	2300	-5.6%
212-Dadu	2335.5	2179	-6.7%
217-Thatta	982	883	-10.1%
232-Larkana	1736.5	1560	-10.2%
253-Tharparkar	1982.5	1746	-11.9%
242-Naushero Feroze	1705	1494	-12.4%
231-Jacobabad	1585.5	1387	-12.5%
215-Jamshoro	1769.5	1522	-14.0%
214-Sujawal	787.5	677	-14.0%
241-Khairpur	5857	5022	-14.3%
218-Matiari	2294.5	1963	-14.4%
235-Kashmore	1752	1494	-14.7%
219-Tando Muhammad Khan	1066.5	900	-15.6%
233-Shikarpur	1055	879	-16.7%
211-Badin	3135	2592	-17.3%
254-Umerkot	1733.5	1433	-17.3%
251-Mirpurkhas	3424	2795	-18.4%
213-Hyderabad	1838	1474	-19.8%
252-Sanghar	4331.5	3422	-21.0%
234-Kamber	1718.5	1353	-21.3%
244-Sukkur	1925	1503	-21.9%
216-Tando Allahyar	1742.5	1172	-32.7%

\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in Facility-based Delivery Coverage

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
253-Tharparkar	475	489	2.9%
214-Sujawal	324.5	324	-0.2%
213-Hyderabad	524.5	509	-3.0%
254-Umerkot	984.5	946	-3.9%
216-Tando Allahyar	766	729	-4.8%
219-Tando Muhammad Khan	525	478	-9.0%
251-Mirpurkhas	1256.5	1086	-13.6%
252-Sanghar	2003.5	1713	-14.5%
217-Thatta	450.5	384	-14.8%
215-Jamshoro	685.5	565	-17.6%
211-Badin	1285	1052	-18.1%
218-Matiari	618.5	505	-18.4%
242-Naushero Feroze	860.5	682	-20.7%
241-Khairpur	2203.5	1712	-22.3%
231-Jacobabad	882	666	-24.5%
245-Ghotki	1314	983	-25.2%
234-Kamber	1035	772	-25.4%
235-Kashmore	757.5	548	-27.7%
244-Sukkur	1056.5	761	-28.0%
233-Shikarpur	583.5	417	-28.5%
232-Larkana	708.5	506	-28.6%
212-Dadu	1022	685	-33.0%

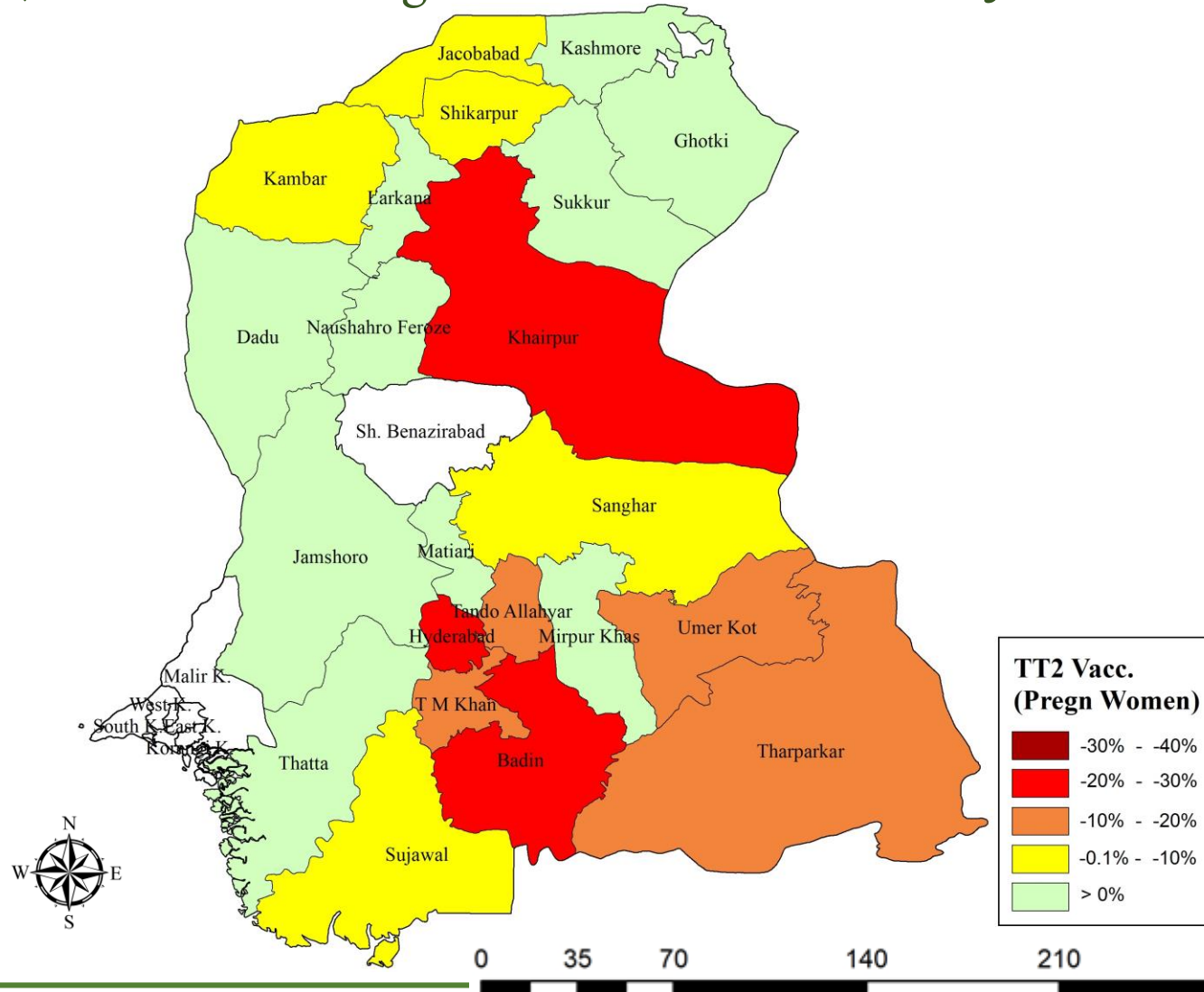


\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in TT2 Vaccine Coverage

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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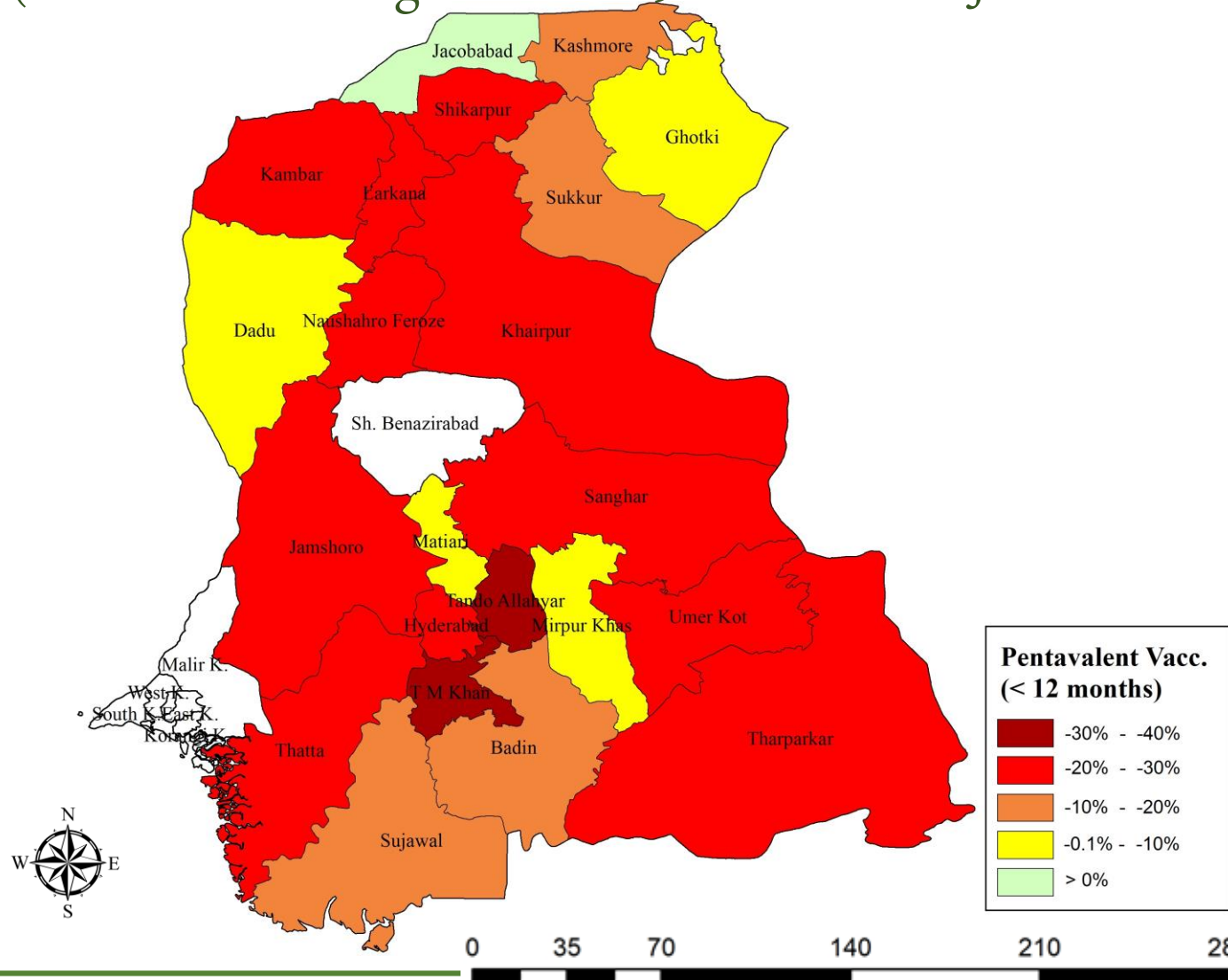
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
232-Larkana	709	904	27.5%
251-Mirpurkhas	744.5	899	20.8%
244-Sukkur	746	865	16.0%
215-Jamshoro	815	888	9.0%
245-Ghotki	1572.5	1657	5.4%
217-Thatta	438.5	458	4.4%
218-Matiari	658.5	684	3.9%
242-Naushero Feroze	984.5	1011	2.7%
235-Kashmore	925	938	1.4%
212-Dadu	2201.5	2208	0.3%
214-Sujawal	385.5	385	-0.1%
231-Jacobabad	700	697	-0.4%
234-Kamber	752.5	707	-6.0%
233-Shikarpur	406.5	376	-7.5%
252-Sanghar	1657.5	1522	-8.2%
254-Umerkot	1045.5	929	-11.1%
253-Tharparkar	1825	1571	-13.9%
216-Tando Allahyar	643.5	535	-16.9%
219-Tando Muhammad Khan	780.5	631	-19.2%
241-Khairpur	4525	3540	-21.8%
211-Badin	1059.5	798	-24.7%
213-Hyderabad	781.5	576	-26.3%

\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in Penta-III Coverage

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
231-Jacobabad	904	968	7.1%
218-Matiari	1096.5	1058	-3.5%
212-Dadu	2441.5	2329	-4.6%
245-Ghotki	3066	2922	-4.7%
251-Mirpurkhas	1853.5	1709	-7.8%
235-Kashmore	1542	1377	-10.7%
244-Sukkur	1616.5	1422	-12.0%
211-Badin	2016.5	1719	-14.8%
214-Sujawal	1019.5	833	-18.3%
215-Jamshoro	1262.5	999	-20.9%
232-Larkana	1511.5	1183	-21.7%
254-Umerkot	1111	856	-23.0%
234-Kamber	1604	1231	-23.3%
217-Thatta	879	671	-23.7%
242-Naushero Feroze	2853.5	2148	-24.7%
233-Shikarpur	1044	774	-25.9%
241-Khairpur	5358.5	3879	-27.6%
253-Tharparkar	2093	1513	-27.7%
252-Sanghar	3234.5	2336	-27.8%
213-Hyderabad	1266	907	-28.4%
219-Tando Muhammad Khan	1264.5	832	-34.2%
216-Tando Allahyar	1106	679	-38.6%

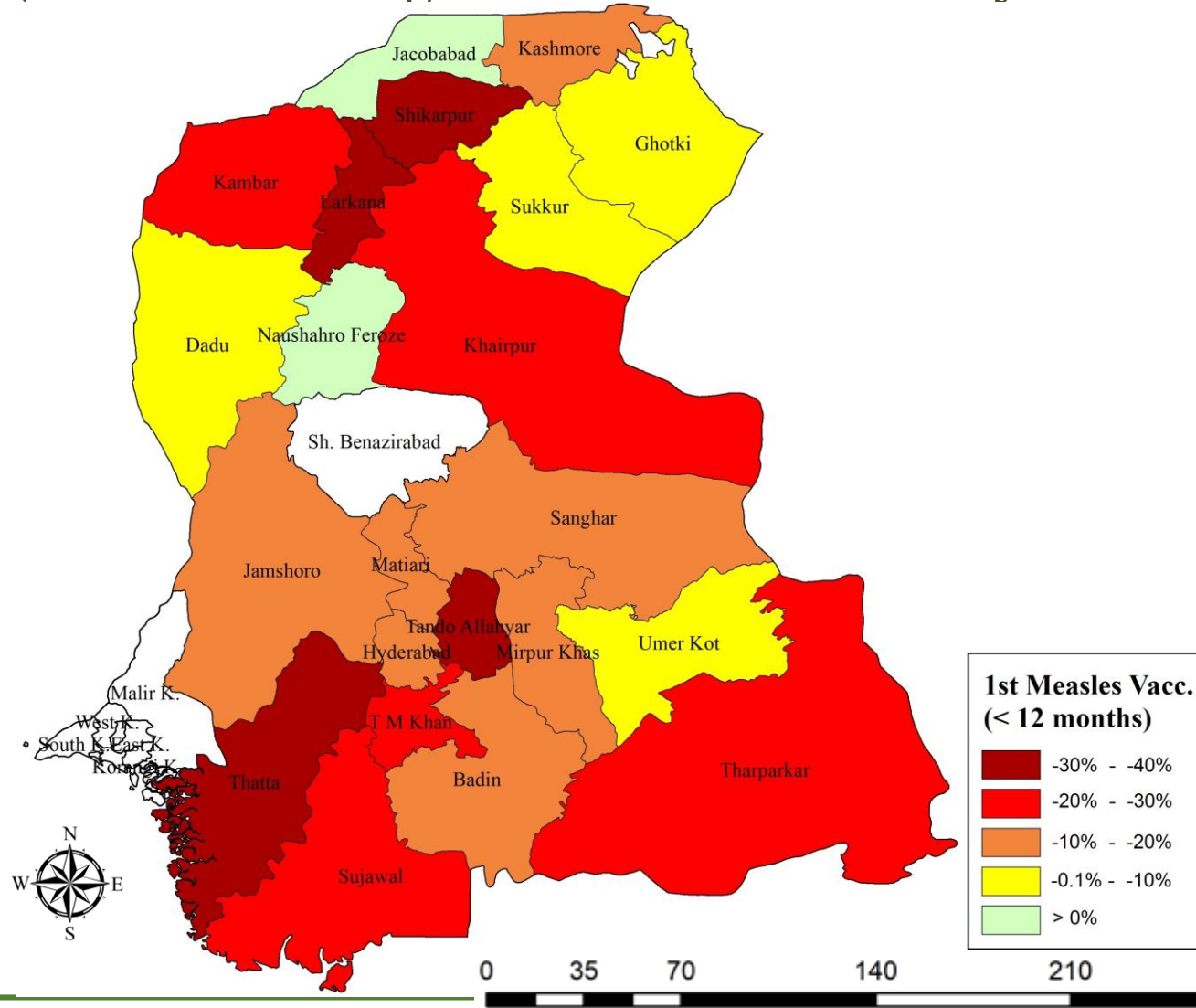
\* Showing Average of Jan and Feb months



# District specific Map Showing % Change in Measles-I Coverage

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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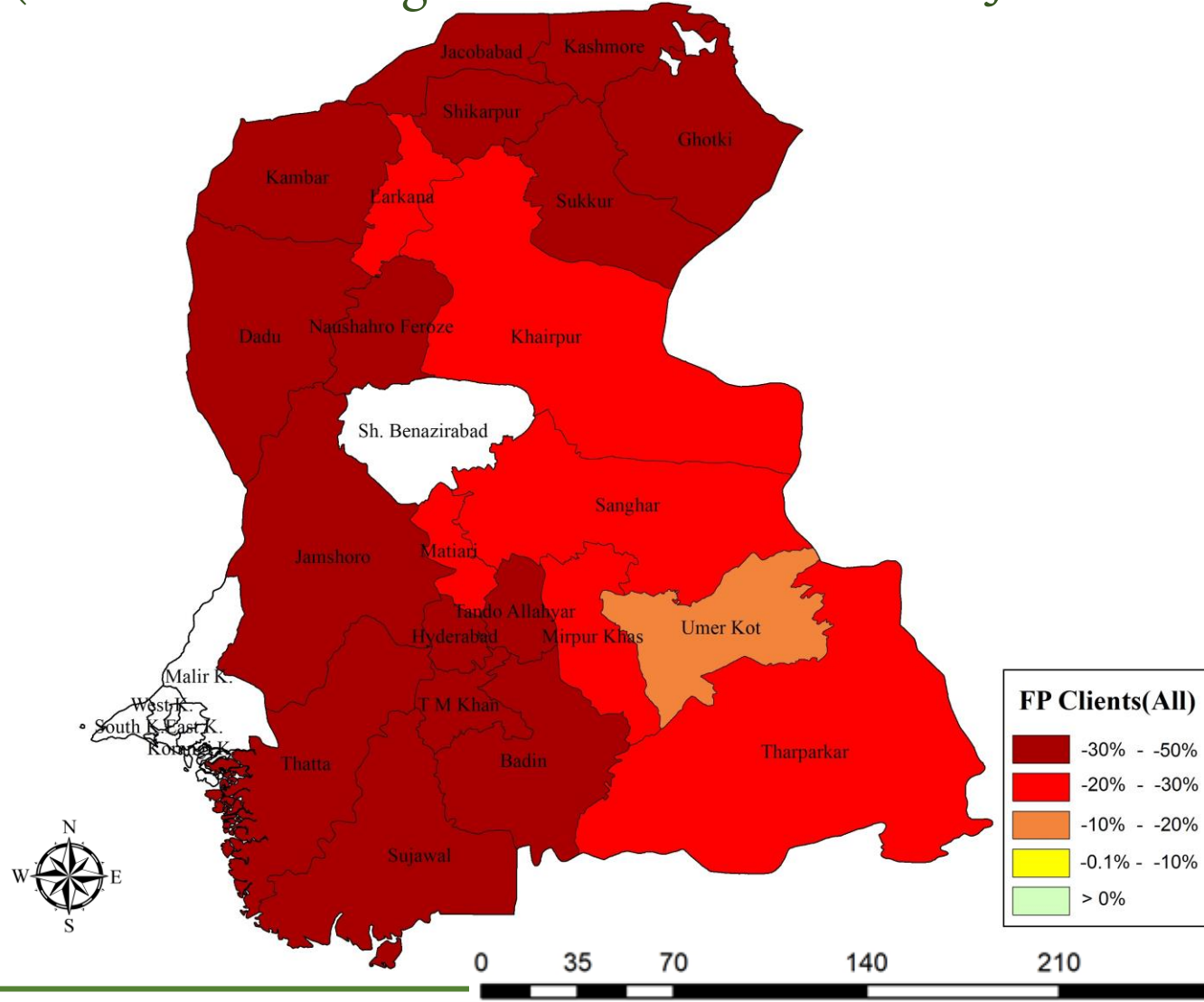
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
231-Jacobabad	829.5	955	15.1%
242-Naushero Feroze	1650	1665	0.9%
245-Ghotki	2815	2738	-2.7%
212-Dadu	2470.5	2356	-4.6%
244-Sukkur	1426	1300	-8.8%
254-Umerkot	914	825	-9.7%
251-Mirpurkhas	1840.5	1633	-11.3%
213-Hyderabad	1220.5	1041	-14.7%
211-Badin	1964.5	1635	-16.8%
215-Jamshoro	1079.5	895	-17.1%
218-Matiari	1002.5	827	-17.5%
252-Sanghar	2678.5	2182	-18.5%
235-Kashmore	1638.5	1332	-18.7%
253-Tharparkar	2034	1623	-20.2%
234-Kamber	1279.5	993	-22.4%
219-Tando Muhammad Khan	1113	811	-27.1%
214-Sujawal	797	580	-27.2%
241-Khairpur	5098	3661	-28.2%
217-Thatta	836	550	-34.2%
232-Larkana	1250	817	-34.6%
233-Shikarpur	924.5	556	-39.9%
216-Tando Allahyar	1016	611	-39.9%

\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in # of FP Clients

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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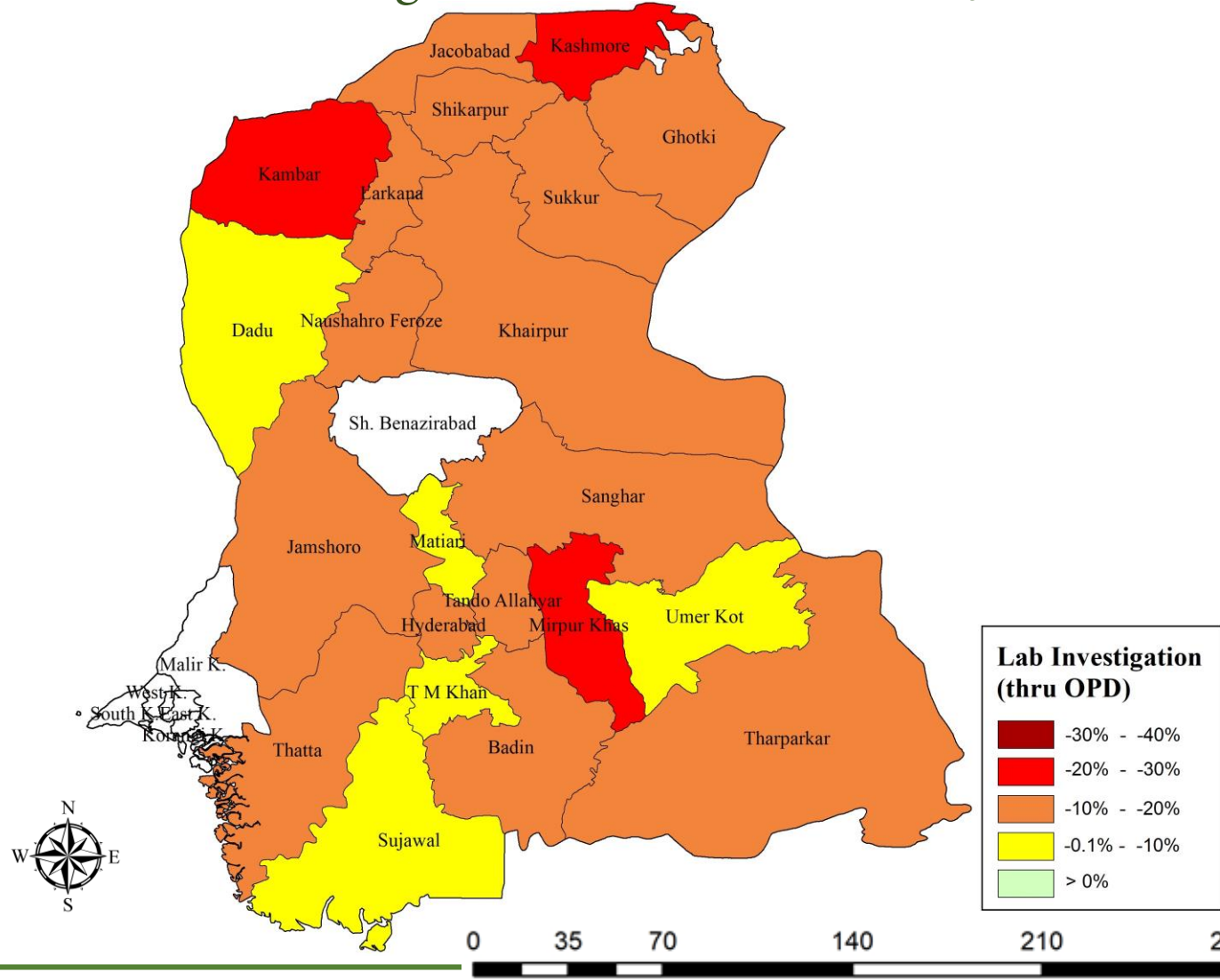
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
254-Umerkot	3147.5	2651	-15.8%
218-Matiari	2579.5	1966	-23.8%
251-Mirpurkhas	4894.5	3675	-24.9%
253-Tharparkar	2178	1563	-28.2%
241-Khairpur	8622	6121	-29.0%
232-Larkana	3673.5	2600	-29.2%
252-Sanghar	6618	4666	-29.5%
245-Ghotki	3669.5	2534	-30.9%
214-Sujawal	1482.5	1021	-31.1%
211-Badin	6323.5	4302	-32.0%
231-Jacobabad	2759	1847	-33.1%
215-Jamshoro	2770.5	1843	-33.5%
242-Naushero Feroze	3656	2426	-33.6%
213-Hyderabad	2774	1839	-33.7%
212-Dadu	3718.5	2455	-34.0%
244-Sukkur	3348	2178	-34.9%
217-Thatta	1984	1234	-37.8%
219-Tando Muhammad Khar	1907	1186	-37.8%
216-Tando Allahyar	2579.5	1579	-38.8%
233-Shikarpur	1990	1203	-39.5%
235-Kashmore	2304	1320	-42.7%
234-Kamber	3335.5	1733	-48.0%

\* Showing Average of Jan and Feb months

# District specific Map Showing % Change in # of Lab Investigation

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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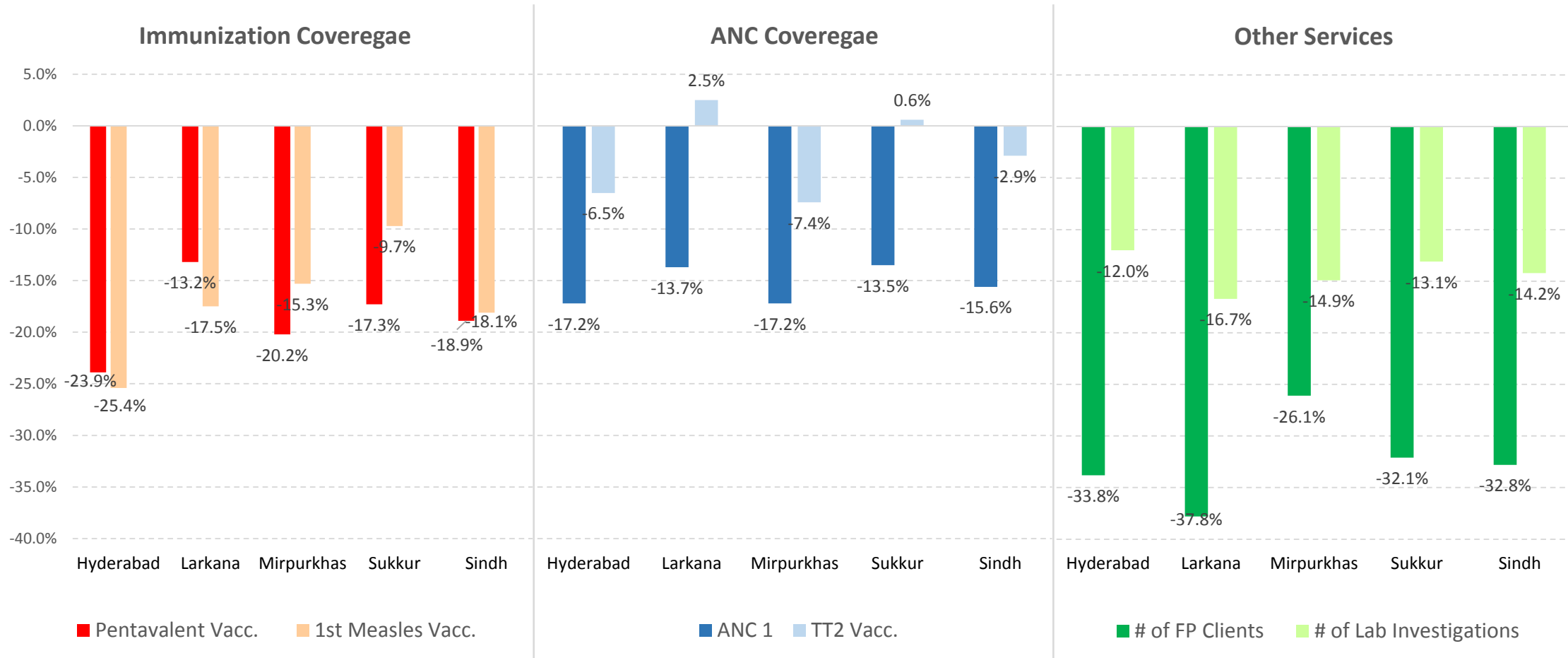
DISTRICT	Jan-Feb 2020*	Mar 2020	% Change
218-Matiari	22806	22673	-0.6%
212-Dadu	22695	21736	-4.2%
214-Sujawal	7762.5	7421	-4.4%
254-Umerkot	18748.5	17226	-8.1%
219-Tando Muhammad Khan	15533.5	14250	-8.3%
245-Ghotki	30610	27337	-10.7%
244-Sukkur	20702	18386	-11.2%
253-Tharparkar	20775.5	18369	-11.6%
242-Naushero Feroze	28633.5	25079	-12.4%
231-Jacobabad	20410.5	17508	-14.2%
232-Larkana	22377	19071	-14.8%
215-Jamshoro	18666.5	15874	-15.0%
211-Badin	38618	32591	-15.6%
217-Thatta	13472.5	11169	-17.1%
241-Khairpur	91679	74966	-18.2%
233-Shikarpur	13676.5	11119	-18.7%
252-Sanghar	57177.5	46426	-18.8%
216-Tando Allahyar	21691.5	17536	-19.2%
213-Hyderabad	19293.5	15522	-19.5%
251-Mirpurkhas	39206.5	31206	-20.4%
235-Kashmore	17754.5	13545	-23.7%
234-Kambar	22298.5	16805	-24.6%

\* Showing Average of Jan and Feb months

# Coverage of Different Essential Health Services – by Region

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

% Change in Coverage for Different Services by Region



# % Change in Different Health Services – District Metrics

(before and during COVID-19 Outbreak – Jan-Feb 2020 vs Mar 2020)

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Region	District	OPD Visits	ANC-1	Delivery Coverage @ HF	TT2 Vacc. (Pregn Women)	Measles I Vacc.	Pentavalent III Vacc.	FP Clients	Lab Investigation
Mirpurkhas	Badin	-12.0%	-17.3%	-18.1%	-24.7%	-16.8%	-14.8%	-32.0%	-15.6%
Larkana	Dadu	0.1%	-6.7%	-33.0%	0.3%	-4.6%	-4.6%	-34.0%	-4.2%
Sukkur	Ghotki	-11.3%	-5.6%	-25.2%	5.4%	-2.7%	-4.7%	-30.9%	-10.7%
Hyderabad	Hyderabad	-11.3%	-19.8%	-3.0%	-26.3%	-14.7%	-28.4%	-33.7%	-19.5%
Larkana	Jacobabad	-10.9%	-12.5%	-24.5%	-0.4%	15.1%	7.1%	-33.1%	-14.2%
Hyderabad	Jamshoro	-15.8%	-14.0%	-17.6%	9.0%	-17.1%	-20.9%	-33.5%	-15.0%
Larkana	Kamber	-22.6%	-21.3%	-25.4%	-6.0%	-22.4%	-23.3%	-48.0%	-24.6%
Larkana	Kashmore	-12.8%	-14.7%	-27.7%	1.4%	-18.7%	-10.7%	-42.7%	-23.7%
Sukkur	Khairpur	-10.2%	-14.3%	-22.3%	-21.8%	-28.2%	-27.6%	-29.0%	-18.2%
Larkana	Larkana	-5.9%	-10.2%	-28.6%	27.5%	-34.6%	-21.7%	-29.2%	-14.8%
Hyderabad	Matiari	-13.8%	-14.4%	-18.4%	3.9%	-17.5%	-3.5%	-23.8%	-0.6%
Mirpurkhas	Mirpurkhas	-14.5%	-18.4%	-13.6%	20.8%	-11.3%	-7.8%	-24.9%	-20.4%
Sukkur	N Feroze	-2.8%	-12.4%	-20.7%	2.7%	0.9%	-24.7%	-33.6%	-12.4%
Mirpurkhas	Sanghar	-14.9%	-21.0%	-14.5%	-8.2%	-18.5%	-27.8%	-29.5%	-18.8%
Larkana	Shikarpur	-29.1%	-16.7%	-28.5%	-7.5%	-39.9%	-25.9%	-39.5%	-18.7%
Hyderabad	Sujawal	1.4%	-14.0%	-0.2%	-0.1%	-27.2%	-18.3%	-31.1%	-4.4%
Sukkur	Sukkur	-11.7%	-21.9%	-28.0%	16.0%	-8.8%	-12.0%	-34.9%	-11.2%
Hyderabad	Tando Allahyar	-27.3%	-32.7%	-4.8%	-16.9%	-39.9%	-38.6%	-38.8%	-19.2%
Hyderabad	TM Khan	-15.7%	-15.6%	-9.0%	-19.2%	-27.1%	-34.2%	-37.8%	-8.3%
Mirpurkhas	Tharparkar	-14.0%	-11.9%	2.9%	-13.9%	-20.2%	-27.7%	-28.2%	-11.6%
Hyderabad	Thatta	-9.3%	-10.1%	-14.8%	4.4%	-34.2%	-23.7%	-37.8%	-17.1%
Mirpurkhas	Umerkot	-11.6%	-17.3%	-3.9%	-11.1%	-9.7%	-23.0%	-15.8%	-8.1%

- Despite Pandemic COVID-19 threats and the subsequent challenges, constraints due to imposed lockdown and unavailability of PPE at initial stage for HCPs, PPHI Sindh Health facilities remain fully operational
- Beneficiaries are receiving uninterrupted routine and MNCH services since the begin of the outbreak, despite lack of fully protective PPE for HCPs at initial stage.
- Just before the start of local transmission in Sindh, PPHI Sindh managed to provide PPEs to all HCPs (medics and paramedics) despite issues with availability. Where supplies were short, best available locally manufactured PPE were managed
- Social distancing is being emphasized at all health facilities to minimize the risk of transmission
- Screening desks are established at all Health facilities to separate the suspected cases from other patients by clinical history and temperature monitoring.
- The suspected cases for COVID-19 are being referred to designated COVID-19 response centers
- Overall turnover of routine patients have been decreased during the month of March, 2020 as compared to that of January and February average, with some districts ( Shikarpur, Tando Allah Yar, Kambar) witnessing more than 20% decrease
- As per expectation it has been observed that there is decrease in services utilization for almost all MNCH indicators including immunization coverage, ANC, institutional deliveries, PNC and Family planning visits
- The highest decrease in service utilization has been observed for family planning clients with more than 40% decrease in some districts like Kamber, Kashmore and Shikarpur.