

DISTRICT BASED WASH INDEX/ SCORECARD PUNJAB 2019

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Background

Punjab is the most populous province of Pakistan with approximately 110 million population as per Population Census 2017. Rapid urbanisation and a growing population will continue to increase demands for sector and sub-sector services, as share of urban population is 40 million (36%). The current population growth rate in Punjab is 2.13% compared to 2.4% at national level.

As per the Punjab Multiple Indicator Cluster Survey (MICS) 2018, about 98% of the population has an access to improved source of drinking water – 98.2% in urban areas and 97.9% in rural. Further, 18.8% population of Punjab province has access to tap water (13.7% in premises, and 5.1% Public Stand Point) followed by 37.5% motorised pump and 25.3% hand pumps. Around 14% population has access to Cart with small tanks/drums. The proportion of population having access to tap water as a main supply for drinking water is higher in urban areas, 28.8% as compared to only 12.9% in rural areas. Similarly, nearly 1/4th of the urban population (24.9%) had water made available through Cart with small tank/drums. Additionally, 43% of HHs are using improved water source which is free from E-Coli Contamination in the province. Figure 1 highlights overall distribution of improved water source to HHs in the province.

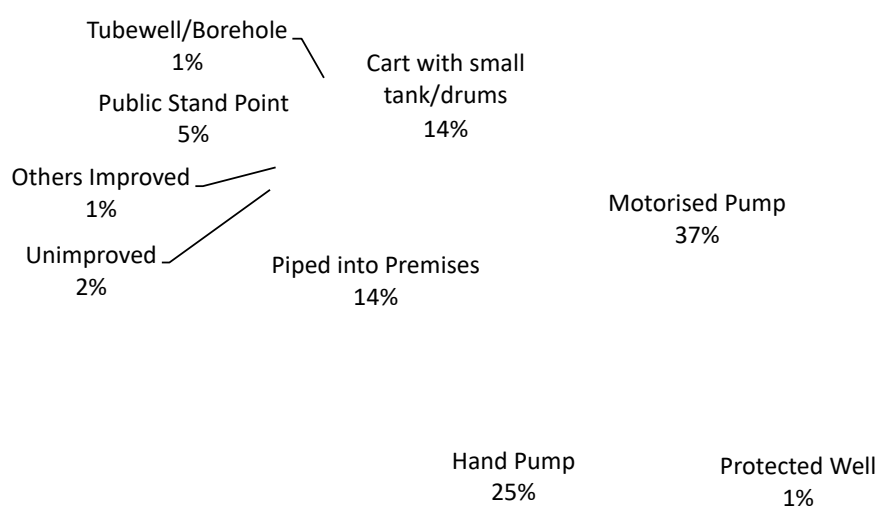


Figure 1: Percent Distribution of Drinking Water at HH Level

As per Punjab MICS 2018, around 80.1% of the population is living in households which use improved sanitation facilities, that is higher in urban (92.8%) as compared to rural areas (72.8%). Figure 2 shows overall distribution of sanitation facilities in the province. Nearly 13% population of the province practices open defecation or is living without toilets.

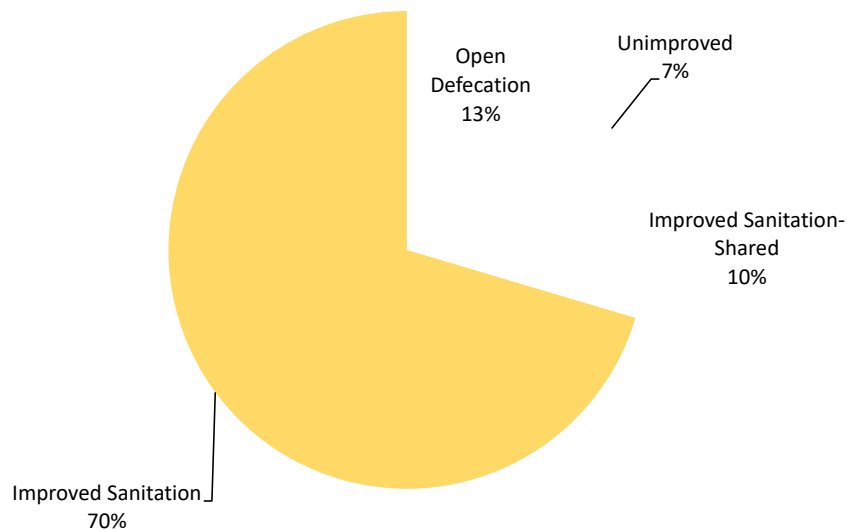


Figure 2: Percent Distribution of Households Use of Sanitation Facilities

The Housing, Urban Development & Public Health Engineering Department (HUD&PHED) and Local Government & Community Development Department (LG&CDD) have the mandates to enhance the access of water supply and sanitation in the province. Community Development Unit (CDU) of HUD&PHED has the responsibility to mobilise and organise communities especially in rural areas for water supply, sanitation and hygiene services. Similar kind of initiatives have been taken by the Local Government and Community Development Department of Punjab where it is working with local community-based organizations for water and sanitation initiatives.

The elements of disparities and inequities emerged on the scene more vigorously when UNICEF supported the “Mapping of Inequities in Basic Water Supply and Sanitation Services in Pakistan” during 2015. Another draft report of tehsil-based equity mapping of Punjab in September 2015, funded by UNICEF, indicated that there are inequity issues especially in relation to piped water supply and improved sanitation between rural and urban areas as well as income groups. A secondary analysis of MICS 2014 was conducted and report was published in 2016. However, MICS 2014 did not include data of water quality and on-site treatment of human excreta, which are basic requirement for defining safely managed water and sanitation services. The Government of Punjab launched Punjab MICS 2018 report in May 2019. A further analysis of MICS 2018 results was desirable to establish the SDG baseline for Punjab along with rural and urban break-up of the districts so relevant stakeholders can make informed choices for respective interventions. Based on further analysis, a district WASH score card was inevitable for advocacy and planning purposes.

Methodology

Datasets for the Study

MICS is a household survey developed by UNICEF and is capable of producing statistically sound, internationally comparable estimates of social indicators such as SDG indicators. In Pakistan, Provincial Bureaus of Statistics provide leadership in their respective provinces to conduct the survey along with Planning and Development Departments with support from UNICEF. The latest MICS Punjab 2018 results were announced in May 2019, which were up to the district level. The study used basic raw datasets of MICS 2019 that were obtained directly from the Punjab Bureau of Statistics and UNICEF.

Access to Improved Water

MICS 2018 report provides information about categories of water supply sources like piped water into dwellings, compounds, neighbours and public tap/standpipe, hand pump, motorised pump, protected well, etc. MICS report also categorises improved and unimproved water sources as given below

Piped into dwelling	Improved Water
Piped into compound, yard or plot	Improved Water
Piped to neighbour	Improved Water
Public tap /Standpipe	Improved Water
Tube well	Improved Water
Hand pump (tap)	Improved Water
Motorised pump (donkey/Turbine)	Improved Water
Protected well	Improved Water
Protected spring	Improved Water
Bottled water (mineral)	Improved Water
Tanker-truck	Unimproved Water
Cart with small tank/drum	Unimproved Water
Unprotected well	Unimproved Water
Unprotected spring	Unimproved Water
Pond (toba)	Unimproved Water
Surface water (river, stream, dam, lake)	Unimproved Water
Other	Unimproved Water
Missing	Unimproved Water

MICS 2018 also provides information about water in sufficient quantities, location of water sources (water in premises) and water free from contamination. This information shall be analysed at the district level along with rural and urban break ups.

Access to Improved Sanitation

MICS 2018 report provides information about type of latrines including flush to piped sewer system, flush to septic tank, flush to pit latrine, flush to somewhere, pit latrine, etc. The MICS report 2018 categorises improved and unimproved sanitation as below:

Flush to piped sewer system	Improved Sanitation
Flush to septic tank	Improved Sanitation
Flush to pit (latrine)	Improved Sanitation
Flush to unknown place / not sure / don't know	Improved Sanitation
Ventilated Improved Pit Latrine (VIP)	Improved Sanitation
Pit latrine with slab	Improved Sanitation
Composting toilet	Improved Sanitation
Flush to somewhere else	Unimproved Sanitation
Pit latrine without slab / open pit	Unimproved Sanitation
Bucket	Unimproved Sanitation
No facility, Bush, Field	Unimproved Sanitation
Other	Unimproved Sanitation
Missing	Unimproved Sanitation

In addition, MICS 2018 provides information about sharing of improved sanitation, hand washing facilities with water and soap, in-situ treatment to determine safely managed sanitation. This has been further analysed at district level with rural and urban break-ups.

WASH Index

The Water, Sanitation and Hygiene (WASH) is a composite index of three pillars: water, sanitation and hygiene. Each pillar has multiple sub-indicators shown in below matrix.

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in Index	WASH Index
Access to Water	Improved Source Piped, Hand Pump/ Motorized	Percentage of HH with response "Yes"			40%	
	Located in Premises					
	Water Available 24 Hours					
	Free from Contamination					
	Safely Managed Water					
Access to Sanitation	Improved Sanitation	Percentage of HH with response "Yes"			40%	
	Not Shared					
	Safe disposal in Situ (On site excreta treatment)					
	Safely Managed Sanitation					
Hygiene	Dedicated Place for HW with water and Soap				20%	
Total Score						

While keeping in view SDGs, Water has five sub indicators, Sanitation has four sub indicators and Hygiene has one sub indicator. The weightage of water is 40%, sanitation is 40% and hygiene is 20%.

Each sub-indicator is rescaled to 0-100 scale by using the following formula:

$$\text{Rescaled subindicator} = \frac{X - \min}{\max - \min} * 100$$

Where X is the value of the sub-indicator in question, “min” is the minimum value of this indicator among all districts/locations for that sub indicator and “max” is the maximum of this sub indicator among all districts/locations.

For example, assume that 10 cities are being evaluated on water in premises. Further assume that based on HH survey, we found that district A has 80% HHs with water in premises (highest), district B has 10% HHs with water in premises (lowest) and the rest are in between. Now, in order to convert the percentages of the 10 districts into the scale of 0-100, we can use the formula in equation 1. If district C has 25% access to water in premises, its rescaled value as per equation 1 would be $((25-10/80-10)) * 100 = 21.4$. Note that when we rescale the value of District B, which has the lowest percentage of water in premises, equation 1 will return the value 0 $(10-10/80-10*100 = 0)$. Similarly, when we rescale the value of district A, which has the highest percentage of piped water, equation 1 will return the value 100 $(80-10/80-10*100 = 100)$. In this way, the neighbourhood with the maximum access will take the value 100 and the one with the lowest access will take the value 0. The final WASH index is the weighted sum of the three pillars which is then used to rank overall districts. Further, this ranking has been done for urban and rural areas based on Punjab MICS 2018 data.

Wealth Quintile

[The Wealth Index is a composite measure of a household's cumulative living standard.](#)

As used in the MICS 2018 report, the study adopted the Principal Components Analysis (PCA) approach for Wealth Index by using information on the ownership of consumer goods, dwelling characteristics, water and sanitation, and other characteristics that are related to the household's wealth to assign weights (factor scores) to each of the household assets. Each household was then assigned a wealth score based on these weights and the assets owned by that household. The survey household population was then ranked according to the wealth score of the household they are living in, and was finally divided into five equal parts called quintiles. For quintiles, the five categories are: lowest (poorest), second (poor), third (middle), fourth (rich) and highest (richest) – comprising of five groups with an equal number of individuals in each category.

The Wealth Index is particularly more valuable and reliable as there is paucity of reliable data on income and expenditures. The assets used in these calculations were as follows: number of rooms for sleeping per member; material used for floor, roof and wall of dwelling; type of cooking fuel; electricity; gas; radio; television; cable television; mobile and non-mobile phone; computer; internet access; refrigerator; air conditioner; washing machine; cooler; microwave; sewing machine; iron; water filter; motorised pump; watch; bicycle; motorcycle/scooter; animal-drawn cart; car or truck; source of drinking water supply and type of sanitation facility.

The Wealth Index is assumed to capture underlying long-term wealth through information on the household assets, and is intended to produce a ranking of households by wealth, from poorest to richest. The wealth index does not provide information on absolute poverty, current income or expenditure levels. Wealth scores calculated are applicable for only particular data set they are based on. These assets were used to construct an asset index by using PCA methods described by Filmer and Pritchett¹, Rutstein & Johnson² and Córdova³. Following Filmer and Pritchett, many other studies, especially in the fields of economics and public policy, have been implemented and have recommend use of PCA for estimating wealth effects (Vyass and Kumaranayake⁴; Labonne, Biller and Chase⁵).

Based on wealth quintiles, we determined the inequities for the ladder of safely managed water that included water in premises, water in sufficient quantities, free from E-Coli contamination and safely managed water. Similarly, we determined the inequities for ladder of safely managed sanitation that included open defecation, improved sanitation, hand washing with water and soap and safely managed sanitation.

¹ Filmer D, Pritchett LH (2001) Estimating wealth effects without expenditure data - or tears: an application to educational enrollments in states of India. *Demography* 38(1): 115–32

² Rutstein SO, Johnson K (2004) DHS Comp. Reports 6: The DHS Wealth Index. Calverton, Maryland: ORC Macro

³ Abby Córdova. Methodological Note: Measuring Relative Wealth using Household Asset Indicators. *Americas Barometer Insights*: 2008 (No.6)

⁴ Vyass, Seema, and Lilani Kumaranayake. "Constructing Socioeconomic Status Indexes: How to Use Principal Component Analysis." *Health Policy and Planning* 21, no. 6 (2006): 459-68

⁵ Labonne, Julien , Dan Biller, and Rob Chase. "Inequality and Relative Wealth: Do They Matter for Trust? Evidence from Poor Communities in the Philippines." In *Social Development Papers, Community Driven Development*, The World Bank, 2007

Key Findings and Analysis

Access to Water

As the first step, following sub indicators were selected from MICS 2018 data to define overall access to water:

1. Improved Water Sources: Piped, Handpumps, Motorized Pumps and closed well
2. The location of water source
3. Water available in sufficient quantities
4. Free from contamination
5. Safely Manged Water: A household that has improved water source located in premises, water available in sufficient quantities and free from contamination.

The value of every sub indicators was calculated at district level for all districts of Punjab. Similarly, value of sub indicators for urban and rural areas in each district were also calculated.

This followed by determining the relative index of each sub indicator on the basis of formula given in the methodology. The average of five pillars for each district was determined and then it was apportioned with 40% weightage for water to determine access to water share in the WASH Index.

The districts/locations with value of below 13 are marked as red, district between 13 to 26.99 were marked yellow and 27 and above are green.

In below table, there is overall summary of access to water in urban, rural and overall district. The table includes value of water index and its ranking within 36 districts for urban, rural and overall context.

The results show that Khanewal is the best for urban population with a value of 37.78 while Nankanna Sahib is the lowest with 11.87 value. The overall value of each sub indicator is provided for in the section of relevant district.

In case of rural areas, Layyah appeared the best with a value of 34.34 while Khushab is the lowest with a value of 9.63.

At the district level, Narowal appeared best for water index with a value of 35.89 while the lowest value appeared for Khushab with 9.54.

The summary of values of Access to Water (Water Index) and ranking of the districts is given in **Table 1**.

Table 1: Access to Water (Water Index) at District Levels in Punjab- Overall, Rural and Urban

	District	Drinking Water							
		Urban			Rural			Overall	
		Index Value		Rank	Index Value		Rank	Index Value	Rank
1	Bahawalpur	27.17		19	23.20		22	24.24	16
2	Bahawalnagar	13.52		35	14.11		32	14.09	32
3	RY Khan	29.34		11	28.59		8	27.96	9
4	DG Khan	18.39		30	26.53		11	23.69	19
5	Layyah	32.80		9	34.34		1	33.42	6
6	Muzaffargarh	35.35		4	34.31		2	33.86	5
7	Rajanpur	37.23		2	17.23		29	20.62	27
8	Faisalabad	17.65		33	10.17		34	11.57	34
9	Chiniot	36.31		3	33.60		3	34.11	4
10	Jhang	34.43		6	30.19		6	30.80	7
11	TT Singh	21.42		25	20.25		26	19.91	28
12	Gujranwala	28.36		14	24.53		18	25.69	12
13	Gujrat	24.41		20	24.31		19	24.29	15
14	Hafizabad	24.34		22	24.84		14	23.80	18
15	M. B. Din	15.36		34	24.73		16	21.72	25
16	Narowal	32.87		8	32.65		4	35.89	1
17	Sialkot	18.68		28	20.60		25	18.27	29
18	Lahore	20.89		26	NA		N/A	16.63	30
19	Kasur	24.15		23	23.86		21	23.85	17
20	N. Sahib	11.87		36	16.75		31	12.53	33
21	Sheikhupura	17.72		32	24.73		15	21.24	26
22	Multan	23.49		24	27.95		10	25.48	13
23	Khanewal	37.78		1	29.98		7	34.25	3
24	Lodhran	18.03		31	16.94		30	14.33	31
25	Vehari	27.87		18	28.56		9	30.14	8
26	Rawalpindi	18.65		29	11.17		33	11.13	35
27	Attock	31.85		10	20.21		27	23.35	21
28	Chakwal	27.91		17	21.89		24	22.64	23
29	Jhelum	28.07		15	20.03		28	22.44	24
30	Sahiwal	29.25		13	24.70		17	26.27	10
31	Okara	27.94		16	23.97		20	24.98	14
32	Pakpattan	24.35		21	22.73		23	22.92	22
33	Sargodha	29.32		12	25.75		13	25.90	11
34	Bhakkar	34.75		5	32.61		5	35.80	2
35	Khushab	19.58		27	9.63		35	9.54	36
36	Mianwali	33.18		7	26.36		12	23.63	20

Access to Sanitation

The following sub indicators were selected from MICS 2018 data to define overall access to sanitation.

1. Improved Sanitation
2. Toilets not shared
3. Safe disposal in Situ (On-site excreta treatment)
4. Safely Managed Sanitation: A household that has improved sanitation, not sharing the toilets, safe disposal of human excreta with on-site treatment and hand washing facility with water and soap.

The value of every sub indicators was calculated at district level for all districts of Punjab. Similarly, value of sub indicators for urban and rural areas in each district were also calculated.

This followed by determining the relative index of each sub indicator on the basis of formula given in the methodology. The average of four pillars for each district was determined and then it was apportioned with 40% weightage for sanitation to determine access to sanitation share in the WASH Index.

The districts/location with value of below 13 are marked as red, district between 13 to 26.99 were marked yellow and 27 and above are green.

In below table, there is an overall summary of access to sanitation in urban, rural and overall district. The table includes value of sanitation index and its ranking within 36 districts for urban, rural and overall context.

The results show that Jhelum is the best for urban population with a value of 37.97 while Lodhran is the lowest with 6.89 value. The overall value of each sub indicator for the districts has been provided in relevant district WASH Index and Profile.

In case of rural areas, Narowal is the best with a value of 36.16 while Multan is the lowest with a value of 3.08.

At the district level, Attock scores the best for sanitation index with a value of 35.78 while the lowest value appeared for Rajanpur with 7.60.

The summary of values of Access to Sanitation (Sanitation Index) and ranking of the districts is given in **Table 2**

Table 2: Access to Sanitation (Sanitation Index) at District Level- Overall, Rural and Urban

S No	District	Sanitation							
		Urban			Rural			Overall	
		Index Value		Rank	Index Value		Rank	Index Value	Rank
1	Bahawalpur	17.60		27	11.11		30	14.85	30
2	Bahawalnagar	21.63		19	19.31		18	21.06	18
3	RY Khan	21.36		20	17.03		24	19.36	22
4	DG Khan	26.30		12	7.92		33	13.13	32
5	Layyah	21.83		17	21.19		15	22.11	15
6	Muzaffargarh	16.79		28	9.04		32	11.76	34
7	Rajanpur	17.76		26	3.34		34	7.60	36
8	Faisalabad	16.18		30	18.53		21	18.48	28
9	Chiniot	18.58		23	10.09		31	14.03	31
10	Jhang	27.61		10	14.79		28	18.92	25
11	TT Singh	25.48		13	21.71		14	24.20	13
12	Gujranwala	26.51		11	24.35		12	26.42	9
13	Gujrat	32.93		5	34.65		3	34.23	3
14	Hafizabad	32.36		6	25.45		9	28.14	8
15	M. B. Din	37.80		2	24.72		11	28.22	7
16	Narowal	32.27		7	36.16		1	35.46	2
17	Sialkot	14.82		33	26.58		7	24.74	12
18	Lahore	18.64		22	NA		N/A	18.56	26
19	Kasur	15.15		31	19.38		17	20.01	19
20	N. Sahib	15.08		32	22.67		13	22.53	14
21	Sheikhupura	22.43		15	25.25		10	25.32	10
22	Multan	10.71		35	3.08		35	8.39	35
23	Khanewal	14.02		34	19.31		19	19.49	21
24	Lodhran	6.89		36	11.73		29	12.24	33
25	Vehari	16.25		29	17.67		23	18.94	24
26	Rawalpindi	32.14		8	31.95		4	32.13	5
27	Attock	37.04		3	35.12		2	35.78	1
28	Chakwal	35.22		4	30.77		6	32.08	6
29	Jhelum	37.97		1	31.82		5	33.73	4
30	Sahiwal	19.86		21	17.96		22	19.84	20
31	Okara	18.57		24	16.05		27	18.01	29
32	Pakpattan	21.74		18	16.39		26	18.50	27
33	Sargodha	23.78		14	18.94		20	21.27	17
34	Bhakkar	28.26		9	20.23		16	21.88	16
35	Khushab	22.39		16	16.53		25	19.22	23
36	Mianwali	18.01		25	25.91		8	24.93	11

Hygiene

The dedicated place for Hand-Washing with water and soap is selected from MICS 2018 data for hygiene. The value of this was calculated at district level along with rural and urban break ups. Then it has been apportioned with 20% weightage for hygiene share in WASH Index. The districts/location with value of below 7 are marked as red, district between 7 to 13.99 marked yellow and 14 and above as green. In Table 3, there is overall summary of access to hygiene in urban, rural and overall district along with ranking.

The results show that Chinoit is the best for urban population with a value of 20 while Khushab is the lowest with zero value. In case of rural areas, Sialkot is the best with a value of 20 while Khushab is the lowest with zero value. At the district level, Sialkot scores the best for sanitation index with a value of 20 while the lowest value appeared for Khushab with 7.60. The overall value of each indicator for the districts has been provided in relevant district WASH Index and Profile.

WASH Index

The overall sum of scores of Access to Water, Access to Sanitation and Hygiene is defined as WASH Index. In Table 4, there is overall summary of WASH index including break-ups of rural and urban areas with ranking. The districts/location with value of below 33 are marked as red, district between 33.1 to 66.99 marked yellow and 67 and above as green.

The results show that urban area of Narowal stands best with a value of 83.20 while Lodhran is the lowest with 38.25 value. In case of rural areas, Narowal is the best with a value of 86.01 while Khushab is the lowest with 26.15 value. At the district level, Narowal scores the best with a value of 87.93 while the lowest value appeared for Khushab with 28.60.

The overall value of each indicator for the districts has been provided in relevant district WASH Index and Profile sections.

Table 3: Hygiene at District Levels- Overall, Urban and Rural

S No	District	Hygiene							
		Urban			Rural			Overall	
		Index Value		Rank	Index Value		Rank	Index Value	Rank
1	Bahawalpur	12.97		30	4.91		34	6.69	35
2	Bahawalnagar	14.19		29	11.06		30	10.56	31
3	RY Khan	17.43		11	12.42		28	12.49	29
4	DG Khan	11.35		34	9.57		33	8.77	34
5	Layyah	18.38		5	17.89		7	17.32	7
6	Muzaffargarh	15.54		23	16.40		12	15.76	20
7	Rajanpur	12.43		32	10.75		31	9.67	32
8	Faisalabad	18.24		7	18.32		5	18.81	4
9	Chiniot	20.00		1	15.71		19	16.43	14
10	Jhang	16.89		12	16.15		16	15.91	17
11	TT Singh	16.49		17	18.57		4	18.51	5
12	Gujranwala	15.54		23	16.71		10	17.32	7
13	Gujrat	14.46		27	18.63		3	18.29	6
14	Hafizabad	18.78		3	15.71		19	16.51	13
15	M. B. Din	14.46		27	16.46		11	15.84	19
16	Narowal	17.57		10	17.14		9	16.58	12
17	Sialkot	18.38		5	20.00		1	20.00	1
18	Lahore	14.73		26	NA		N/A	18.96	3
19	Kasur	16.76		16	17.52		8	17.17	10
20	N. Sahib	15.95		19	17.95		6	17.25	9
21	Sheikhupura	11.08		35	16.15		16	15.46	22
22	Multan	17.70		9	14.66		25	15.91	17
23	Khanewal	16.89		12	16.34		13	16.13	16
24	Lodhran	12.97		30	10.50		32	9.52	33
25	Vehari	17.84		8	15.40		22	15.02	25
26	Rawalpindi	15.54		23	13.42		27	15.46	22
27	Attock	12.43		32	12.30		29	12.49	29
28	Chakwal	16.89		12	15.03		23	14.57	26
29	Jhelum	15.68		21	16.21		15	17.10	11
30	Sahiwal	19.46		2	16.27		14	16.21	15
31	Okara	15.68		21	15.47		21	15.69	21
32	Pakpattan	16.49		17	16.02		18	15.46	22
33	Sargodha	18.65		4	19.38		2	19.11	2
34	Bhakkar	16.89		12	14.97		24	14.13	27
35	Khushab	0.00		36	0.00		35	0.00	36
36	Mianwali	15.81		20	14.29		26	13.98	28

Table 4: WASH Index at District Level- Overall, Rural and Urban

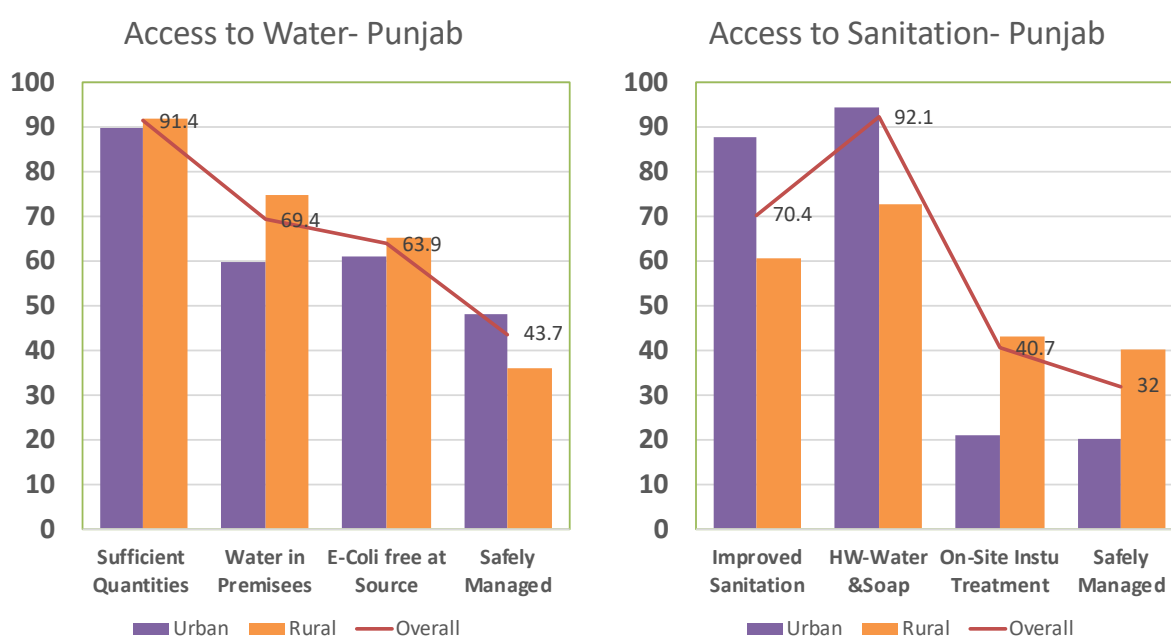
S No	District	WASH Index							
		Urban		Rural		Overall			
		Index Value	Rank	Index Value	Rank	Index Value	Rank		
1	Bahawalpur	57.75	25	39.22	32	45.79	31		
2	Bahawalnagar	49.34	33	44.48	30	45.71	32		
3	RY Khan	68.13	15	58.04	23	59.82	23		
4	DG Khan	56.04	27	44.01	31	45.59	33		
5	Layyah	73.01	9	73.42	3	72.86	4		
6	Muzaffargarh	67.68	16	59.75	20	61.39	21		
7	Rajanpur	67.43	18	31.31	34	37.89	34		
8	Faisalabad	52.07	29	47.02	28	48.86	30		
9	Chiniot	74.89	8	59.40	21	64.58	14		
10	Jhang	78.94	6	61.12	17	65.63	13		
11	TT Singh	63.39	21	60.53	19	62.62	17		
12	Gujranwala	70.40	12	65.59	14	69.43	8		
13	Gujrat	71.80	10	77.59	2	76.80	2		
14	Hafizabad	75.48	7	66.01	11	68.45	10		
15	M. B. Din	67.62	17	65.91	12	65.78	12		
16	Narowal	82.71	1	85.95	1	87.93	1		
17	Sialkot	51.87	31	67.19	8	63.00	16		
18	Lahore	54.25	28	NA	N/A	54.15	27		
19	Kasur	56.05	26	60.75	18	61.03	22		
20	N. Sahib	42.90	34	57.37	24	52.31	28		
21	Sheikhupura	51.22	32	66.13	10	62.03	20		
22	Multan	51.91	30	45.69	29	49.78	29		
23	Khanewal	68.69	13	65.62	13	69.87	7		
24	Lodhran	37.89	36	39.16	33	36.09	35		
25	Vehari	61.96	24	61.63	16	64.10	15		
26	Rawalpindi	66.34	20	56.53	25	58.72	24		
27	Attock	81.32	3	67.64	7	71.62	6		
28	Chakwal	80.02	4	67.69	6	69.30	9		
29	Jhelum	81.71	2	68.06	4	73.26	3		
30	Sahiwal	68.57	14	58.93	22	62.32	19		
31	Okara	62.18	23	55.48	26	58.68	25		
32	Pakpattan	62.57	22	55.15	27	56.88	26		
33	Sargodha	71.74	11	64.08	15	66.28	11		
34	Bhakkar	79.90	5	67.81	5	71.81	5		
35	Khushab	41.97	35	26.15	35	28.76	36		
36	Mianwali	67.00	19	66.56	9	62.54	18		

Ladders of Safely Managed Water and Sanitation

Under Sustainable Development Goals, safely managed water services are defined as: Population using an improved drinking water source, which is: i) Located on premises; ii) Available when needed; iii) and free of faecal and priority chemical contamination. As per MICS 2018, 91.4% population has drinking water available in sufficient quantity when needed, 74.1% has water accessible on premises and 63.8% has drinking water without E-Coli contamination. An overall, 43.7% of household members with an improved drinking water source located on premises, free of *E.Coli* and available when needed access to improved water. The ladder of Safely Managed Water is defined in Figure 03 along with rural and urban ladders. Safely Managed Water Services in Urban areas is 36% and while it is 48% in rural areas. Furthermore, district wise ladder of Safely Managed Water is given respective district profiles.

Under Sustainable Development Goals (SDGs), Safely Managed Sanitation services are defined as: population using an improved sanitation facility (including a hand washing facility with water and soap) that is not shared with other households and where the excreta are safely disposed in situ or transported and treated off-site. Around 70.4% population in Punjab has improved sanitation, which is not shared with others, and around 92.1% population indicated hand washing with soap and water. Around 40.7% of HHs reported on-site safe disposal of human excreta. Based on on-situ treatment, around 32.9% population of Punjab has been categorized under safely managed sanitation with 20.2% in urban areas and 40.2% in rural areas. Overall ladder of Safely Managed Sanitation Services is given in Figure 03 including break ups of rural and urban areas. Furthermore, district wise ladder of Safely Managed Sanitation is given respective district profiles

Figure 3: Ladder of Safely Managed Water and Sanitation in Punjab



District WASH Index, Profiles and Inequities

WASH Index**Bahawalpur**

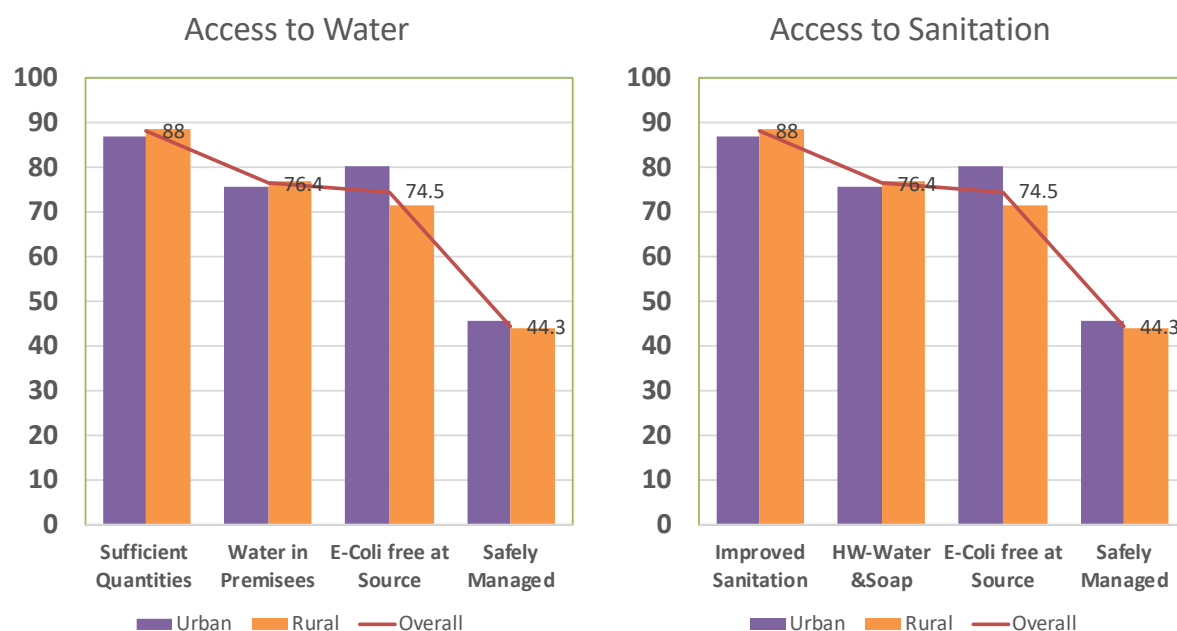
Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.8	86.21	60.61	40%	24.24
	Located in Premises	76.4	64.00			
	Water Available 24 Hours	88	43.09			
	Free from Contamination	74.3	68.84			
	Safely Managed Water	44.3	40.92			
Access to Sanitation	Improved Sanitation	69.6	38.07	37.13	40%	14.85
	Not Shared	81.9	41.38			
	Safe disposal in Situ (On site excreta treatment)	35.9	39.56			
	Safely Managed Sanitation	24.5	29.50			
Hygiene	Dedicated Place for HW with water and Soap	80.1	33.46	33.46	20%	6.69
Total Score						45.79

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.9	76.92	58.00	40%	23.20
	Located in Premises	76.8	61.78			
	Water Available 24 Hours	88.5	41.62			
	Free from Contamination	71.6	64.21			
	Safely Managed Water	43.8	45.47			
Access to Sanitation	Improved Sanitation	60.7	28.43	27.78	40%	11.11
	Not Shared	76.6	26.81			
	Safe disposal in Situ (On site excreta treatment)	43.2	33.10			
	Safely Managed Sanitation	29.1	22.76			
Hygiene	Dedicated Place for HW with water and Soap	72.8	24.61	24.61	20%	4.91
Total Scoree						39.22

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.9	91.27	67.93	40%	27.17
	Located in Premises	75.6	72.00			
	Water Available 24 Hours	87	47.66			
	Free from Contamination	80.4	74.45			
	Safely Managed Water	45.5	54.29			
Access to Sanitation	Improved Sanitation	87.8	63.86	44.00	40%	17.60
	Not Shared	89.8	65.15			
	Safe disposal in Situ (On site excreta treatment)	20.9	26.13			
	Safely Managed Sanitation	15.1	20.88			
Hygiene	Dedicated Place for HW with water and Soap	94.2	66.67	66.67	20%	12.97
Total Score						57.75

WASH Profile & Inequities

Bahawalpur



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability –in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	67.9	86.6	72.2	88.7	83.3	90.1	67.4	68.8	63.4	17.4	32.5	29.1
Poor	76	76.4	79.8	90.2	86.4	88.3	65.2	67.3	78.8	52.4	60.2	46.5
Middle	80.8	74.7	80.8	87.5	81.6	83.6	74.9	88.7	70.8	54.9	26.4	50.4
Rich	81	76.1	74.9	84.7	89.4	85.4	80.9	81.6	76.6	43.5	49.8	42.3
Richest	78.3	64.1	74.5	91.6	94.2	92.7	70.9	100	91.4	51.0	63.4	52.8

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	74.3	18.4	69.5	20.3	76.9	25.3	43.2	74	46.6	19.8	43.8	24.2
Poor	48.0	0.0	30.6	44.6	84.8	63.2	59.7	96.7	67.8	36.6	34.8	49.1
Middle	19.3	0.0	4.0	72.0	90.2	82.6	75.9	100	88.7	58.8	11.4	58.3
Rich	4.6	0.0	0.0	81.5	91.2	84.4	87.8	100	96.0	59.5	10.0	35.8
Richest	0.0	0.0	0.0	84.8	96.0	92.5	97.3	100	100.0	41.5	4.3	12.0

WASH Index**Bahawalnagar**

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.4	81.61	35.24	40%	14.09
	Located in Premises	73.6	59.33			
	Water Available 24 Hours	80.2	0.00			
	Free from Contamination	34.1	0.00			
	Safely Managed Water	20.9	0.86			
Access to Sanitation	Improved Sanitation	69.5	37.86	52.65	40%	21.06
	Not Shared	87.7	63.60			
	Safe disposal in Situ (On site excreta treatment)	48.6	57.12			
	Safely Managed Sanitation	38.4	52.03			
Hygiene	Dedicated Place for HW with water and Soap	85.3	52.79	52.79	20%	10.56
Total Score						45.71

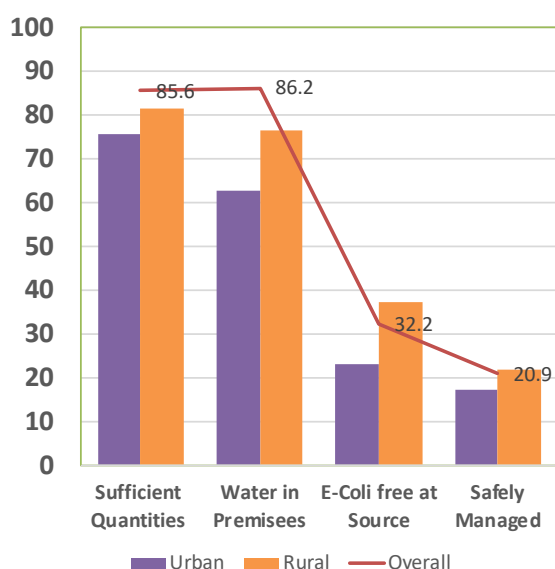
Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.1	79.12	35.27	40%	14.11
	Located in Premises	76.4	61.05			
	Water Available 24 Hours	81.3	0.00			
	Free from Contamination	37.3	0.92			
	Safely Managed Water	22	1.61			
Access to Sanitation	Improved Sanitation	66	38.82	48.28	40%	19.31
	Not Shared	87.2	65.22			
	Safe disposal in Situ (On site excreta treatment)	50.8	46.34			
	Safely Managed Sanitation	39.8	42.72			
Hygiene	Dedicated Place for HW with water and Soap	82.7	55.45	55.45	20%	11.06
Total Score						44.48

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.6	96.83	33.79	40%	13.52
	Located in Premises	62.8	56.48			
	Water Available 24 Hours	75.8	0.00			
	Free from Contamination	23.3	0.00			
	Safely Managed Water	17.1	15.65			
Access to Sanitation	Improved Sanitation	83.1	49.22	54.07	40%	21.63
	Not Shared	88.9	61.41			
	Safe disposal in Situ (On site excreta treatment)	39.9	54.65			
	Safely Managed Sanitation	33	51.01			
Hygiene	Dedicated Place for HW with water and Soap	95.1	72.92	72.92	20%	14.19
Total Score						49.34

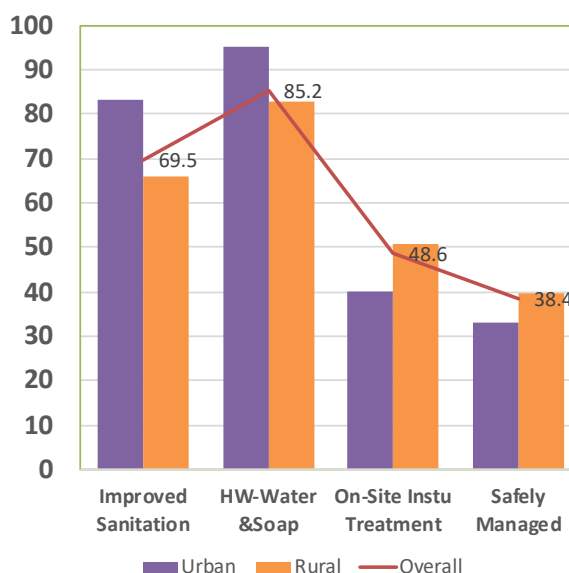
WASH Profile and Inequities

Bahawalnagar

Access to Water- Bahawalnagar



Access to Sanitation-Bahawalnagar



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	65.2	82.5	67.6	83.6	71.7	82.9	15.2	38.5	19	5.9	0.0	7.3
Poor	77.5	77.9	77.5	80.1	75.9	80	15.5	0	18	11.3	0.0	6.3
Middle	75.9	58.7	79	77.5	79.9	75.2	58.2	0	64.3	28.2	42.4	39.2
Rich	82.6	53.1	84.2	78.4	82.8	81.3	53.6	70.5	52.5	25.3	55.1	29.1
Richest	80.7	41.5	59.7	86.8	68.6	81.4	64.2	0	22.9	39.1	0.0	22.9

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	80.1	23.2	74.4	15.0	68.0	19.6	59.8	76.6	60.9	13.5	39.9	17.7
Poor	39.3	0.0	29.2	52.9	81.2	61.9	74.0	98.7	74.3	46.2	44.7	51.5
Middle	12.6	0.0	7.5	76.4	88.7	82.5	85.4	100	94.0	62.4	29.9	63.5
Rich	2.5	0.0	1.1	91.5	84.0	92.9	95.5	100	96.9	69.8	53.3	65.9
Richest	0.4	0.0	0.0	94.3	93.5	90.6	98.7	100	99.7	62.4	31.9	44.5

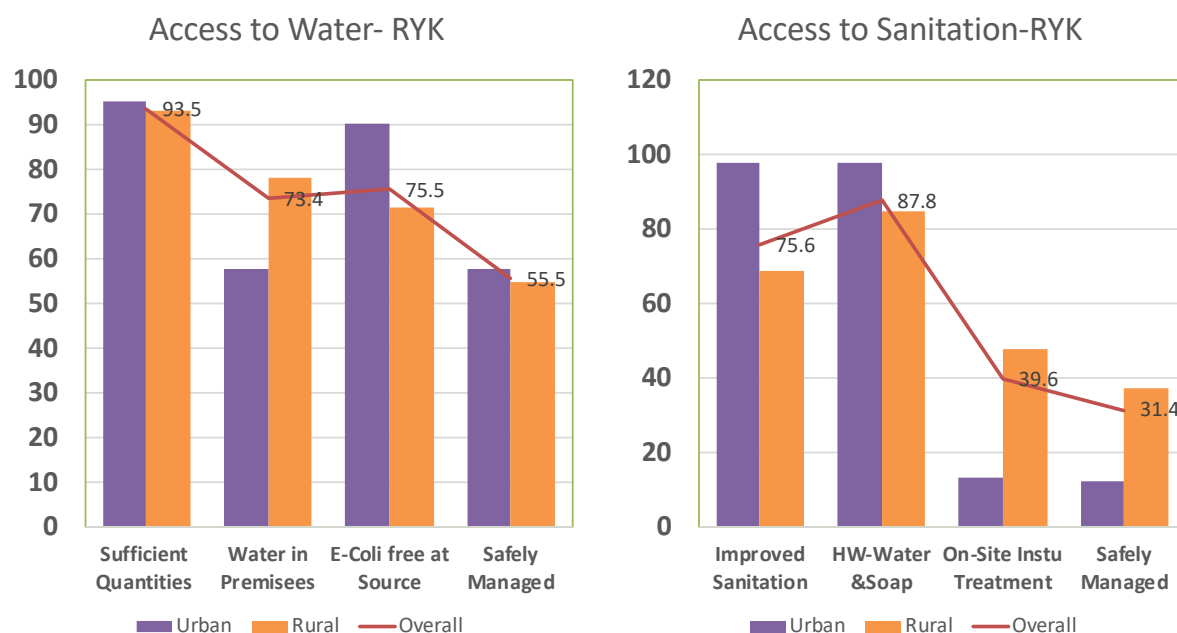
WASH Index

Rahim Yar Khan

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.8	86.21	69.90	40%	27.96
	Located in Premises	73.4	59.00			
	Water Available 24 Hours	93.5	73.48			
	Free from Contamination	75.4	70.72			
	Safely Managed Water	55.5	60.10			
Access to Sanitation	Improved Sanitation	75.6	51.20	48.41	40%	19.36
	Not Shared	86	57.09			
	Safe disposal in Situ (On site excreta treatment)	39.6	44.67			
	Safely Managed Sanitation	31.4	40.68			
Hygiene	Dedicated Place for HW with water and Soap	87.9	62.45	62.45	20%	12.49
Total Score						59.82

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.4	93.41	71.48	40%	28.59
	Located in Premises	78.1	64.13			
	Water Available 24 Hours	93.1	68.21			
	Free from Contamination	71.4	63.84			
	Safely Managed Water	54.9	67.81			
Access to Sanitation	Improved Sanitation	68.9	44.51	42.56	40%	17.03
	Not Shared	82.2	47.10			
	Safe disposal in Situ (On site excreta treatment)	47.6	40.77			
	Safely Managed Sanitation	37.2	37.87			
Hygiene	Dedicated Place for HW with water and Soap	84.9	62.31	62.31	20%	12.42
Total Score						58.04

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.1	76.98	73.35	40%	29.34
	Located in Premises	57.5	50.06			
	Water Available 24 Hours	95	81.70			
	Free from Contamination	90	86.96			
	Safely Managed Water	57.8	71.02			
Access to Sanitation	Improved Sanitation	97.9	95.33	53.39	40%	21.36
	Not Shared	95.3	87.97			
	Safe disposal in Situ (On site excreta treatment)	13	14.26			
	Safely Managed Sanitation	12.2	15.99			
Hygiene	Dedicated Place for HW with water and Soap	97.5	89.58	89.58	20%	17.43
Total Score						68.13



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	79.6	85.5	81.2	91.4	91.4	92.8	69.5	100	71.7	61.4	100.0	63.6
Poor	84	70.1	82.7	94.6	94.6	94.6	73.6	76	75.6	62.3	32.8	60.0
Middle	83	54.1	83.4	95.8	95.8	93.7	63.4	78.1	71.9	51.5	6.9	52.9
Rich	77.6	43.8	70.2	93.3	93.3	93	73.2	83.4	81.3	60.5	67.9	46.4
Richest	66.6	34.3	49.5	90.4	90.4	93.6	75.5	100	76.5	38.9	70.9	54.7

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

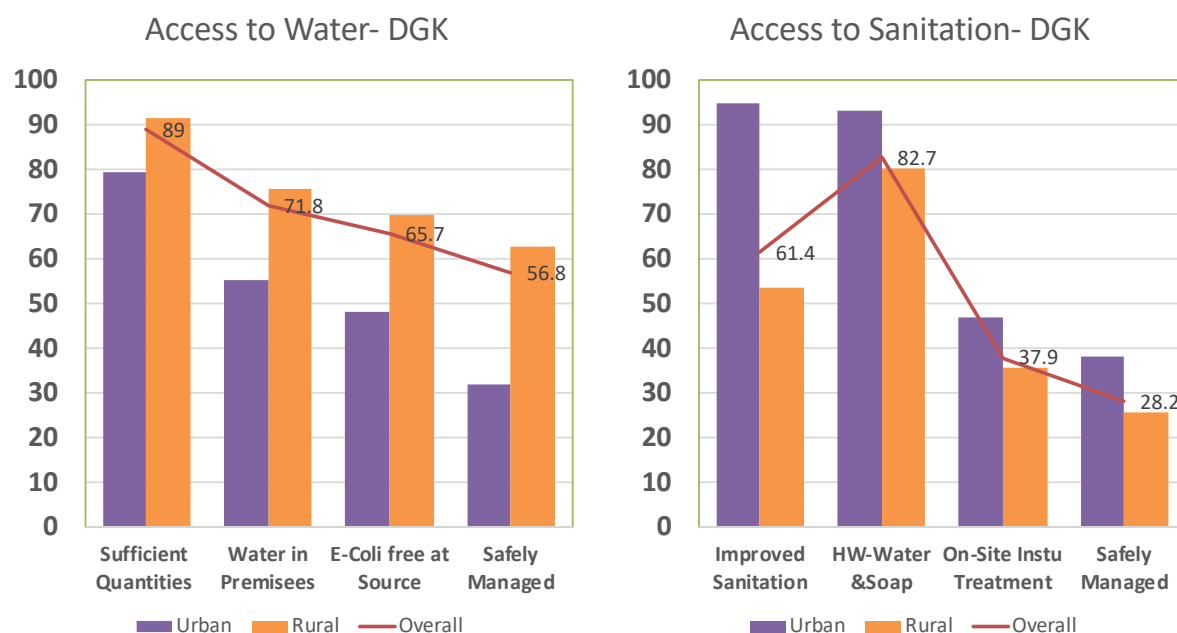
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	77.8	4.3	71.2	20.1	93.2	26.7	68.5	87.3	67.3	18.1	26.9	23.5
Poor	37.2	0.0	24.0	59.2	93.9	69.7	74.5	100	81.9	47.0	13.0	53.1
Middle	12.3	0.0	4.4	80.3	98.7	89.2	88.3	100	92.4	61.4	9.0	57.9
Rich	1.2	0.0	0.3	92.5	94.9	93.7	94.5	100	97.7	65.1	10.0	46.4
Richest	0.0	0.0	0.0	92.6	94.3	98.8	98.8	100	99.8	46.5	5.8	17.1

WASH Index**Dera Ghazi Khan**

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.8	74.71	59.22	40%	23.69
	Located in Premises	71.8	56.33			
	Water Available 24 Hours	89	48.62			
	Free from Contamination	65.7	54.11			
	Safely Managed Water	56.8	62.33			
Access to Sanitation	Improved Sanitation	61.4	20.13	32.82	40%	13.13
	Not Shared	79.8	33.33			
	Safe disposal in Situ (On site excreta treatment)	37.9	42.32			
	Safely Managed Sanitation	28.2	35.49			
Hygiene	Dedicated Place for HW with water and Soap	82.9	43.87	43.87	20%	8.77
Total Score						45.59

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.2	69.23	66.31	40%	26.53
	Located in Premises	75.8	59.96			
	Water Available 24 Hours	91.3	57.80			
	Free from Contamination	69.9	61.07			
	Safely Managed Water	62.7	83.50			
Access to Sanitation	Improved Sanitation	53.5	14.31	19.80	40%	7.92
	Not Shared	77	28.26			
	Safe disposal in Situ (On site excreta treatment)	35.8	20.21			
	Safely Managed Sanitation	25.7	16.42			
Hygiene	Dedicated Place for HW with water and Soap	80.3	47.98	47.98	20%	9.57
Total Score						44.01

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	45.97	40%	18.39
	Located in Premises	55.1	47.15			
	Water Available 24 Hours	79.2	14.47			
	Free from Contamination	48.3	32.59			
	Safely Managed Water	31.8	35.65			
Access to Sanitation	Improved Sanitation	94.7	85.36	65.75	40%	26.30
	Not Shared	86.8	52.70			
	Safe disposal in Situ (On site excreta treatment)	46.9	65.17			
	Safely Managed Sanitation	38.2	59.76			
Hygiene	Dedicated Place for HW with water and Soap	93	58.33	58.33	20%	11.35
Total Score						56.04



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	72.6	78.5	69.2	91.6	69.3	88.6	70.9	76.8	72.3	66.9	83.2	68.6
Poor	70.5	76.5	75.8	88.1	77.8	88.2	73.9	46.8	71.4	63.0	40.9	65.9
Middle	78.9	66.5	80.8	91.6	77.4	90.3	76.5	81	66.6	79.6	45.1	73.7
Rich	81.9	44.4	79.4	90.9	79.7	90.5	56.3	9.4	62.2	47.4	0.0	48.0
Richest	75	10.2	53.7	94.3	91.6	87.2	73	42.5	57.3	56.1	0.0	26.9

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	82.6	20.7	81.3	14.0	75.9	16.0	65.3	77.5	65.5	10.4	51.0	12.6
Poor	63.5	0.0	56.4	29.8	97.1	37.5	74.6	90.5	74.6	23.1	48.4	25.9
Middle	44.5	0.0	26.3	49.7	100.0	66.6	77.8	96.7	84.4	33.9	59.6	50.8
Rich	12.7	0.0	6.5	79.8	100.0	88.0	91.1	100	92.7	59.1	52.5	53.9
Richest	3.4	0.0	0.2	94.0	100.0	99.1	92.6	100	96.5	50.6	22.9	46.5

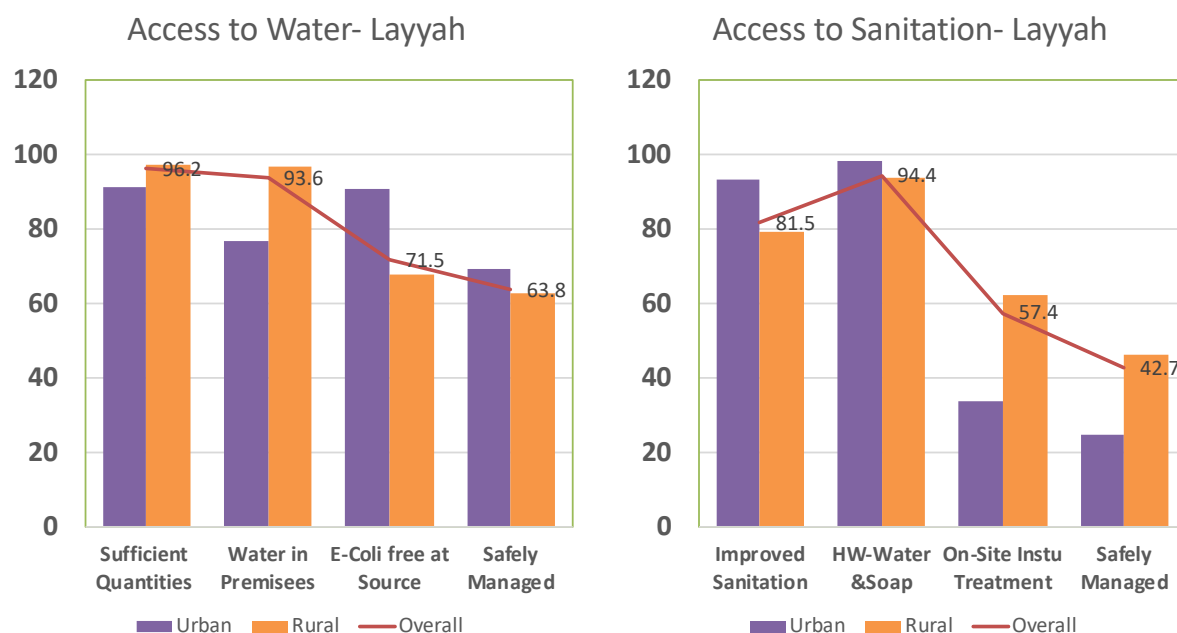
WASH Index

Layyah

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.8	97.70	83.56	40%	33.42
	Located in Premises	93.6	92.67			
	Water Available 24 Hours	96.2	88.40			
	Free from Contamination	71.9	64.73			
	Safely Managed Water	63.8	74.32			
Access to Sanitation	Improved Sanitation	81.5	64.11	55.28	40%	22.11
	Not Shared	78.6	28.74			
	Safe disposal in Situ (On site excreta treatment)	57.4	69.29			
	Safely Managed Sanitation	42.7	59.00			
Hygiene	Dedicated Place for HW with water and Soap	94.4	86.62	86.62	20%	17.32
Total Score						72.86

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.90	85.86	40%	34.34
	Located in Premises	96.9	98.19			
	Water Available 24 Hours	97.1	91.33			
	Free from Contamination	67.9	57.38			
	Safely Managed Water	62.7	83.50			
Access to Sanitation	Improved Sanitation	79.3	64.90	52.97	40%	21.19
	Not Shared	76.5	26.45			
	Safe disposal in Situ (On site excreta treatment)	62	65.85			
	Safely Managed Sanitation	46.2	54.66			
Hygiene	Dedicated Place for HW with water and Soap	93.7	89.72	89.72	20%	17.89
Total Score						73.42

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.4	95.24	82.00	40%	32.80
	Located in Premises	76.8	73.45			
	Water Available 24 Hours	91.4	66.38			
	Free from Contamination	90.9	88.14			
	Safely Managed Water	69.4	86.80			
Access to Sanitation	Improved Sanitation	93	80.06	54.59	40%	21.83
	Not Shared	87.5	55.60			
	Safe disposal in Situ (On site excreta treatment)	33.9	45.65			
	Safely Managed Sanitation	24.7	37.04			
Hygiene	Dedicated Place for HW with water and Soap	98.2	94.44	94.44	20%	18.38
Total Score						73.01



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	96.6	90	96.7	96.7	80.2	96.1	38.7	100	44.1	31.2	78.0	36.8
Poor	97.3	83.2	96.6	98.2	92.9	96.2	84.9	100	90.9	80.1	75.6	75.5
Middle	96.9	64.5	97.3	95.3	88.2	96.2	67	69.1	64.8	61.6	60.7	73.0
Rich	98	84.4	94.6	99.7	100	96.2	64	83	72.2	63.8	80.9	70.2
Richest	95.6	62.1	82.6	95.8	96	96.2	87.8	100	88.3	77.1	53.5	63.7

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	54	10.2	50.4	43.1	84.7	47.1	87.8	100	88.9	36.2	77.9	39.1
Poor	28.4	0.0	22.6	69.1	88.9	74.4	89.2	97.7	90.2	59.2	35.9	64.6
Middle	6.7	0.0	3.7	90.8	93.8	91.4	96.8	95.1	96.7	68.2	22.5	69.9
Rich	1.7	0.0	0.8	95.0	97.5	96.7	94.7	98	97.6	78.6	19.7	66.9
Richest	0.0	0.0	0.0	98.5	100.0	98.0	100.0	100	98.9	68.0	13.0	46.3

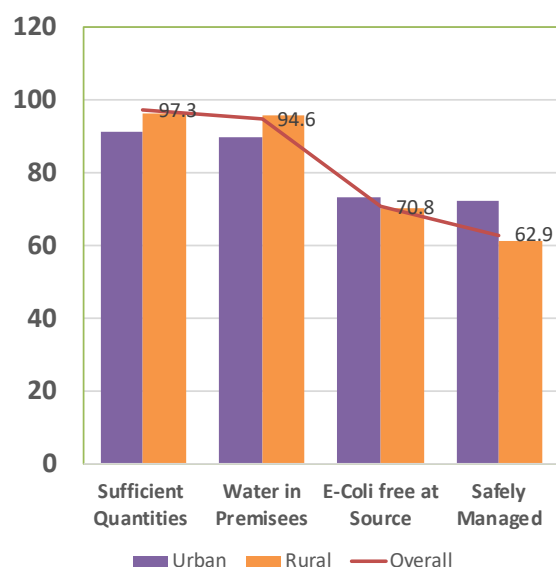
WASH Index**Muzaffargarh**

Key Pillar	Indicator	Value	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.85	84.66	40%	33.86
	Located in Premises	94.6	94.33			
	Water Available 24 Hours	97.3	94.48			
	Free from Contamination	70.8	62.84			
	Safely Managed Water	62.9	72.77			
Access to Sanitation	Improved Sanitation	65.9	29.98	29.41	40%	11.76
	Not Shared	71.1	0.00			
	Safe disposal in Situ (On site excreta treatment)	43.5	50.07			
	Safely Managed Sanitation	29.5	37.60			
Hygiene	Dedicated Place for HW with water and Soap	92.3	78.81	78.81	20%	15.76
Total Score						61.39

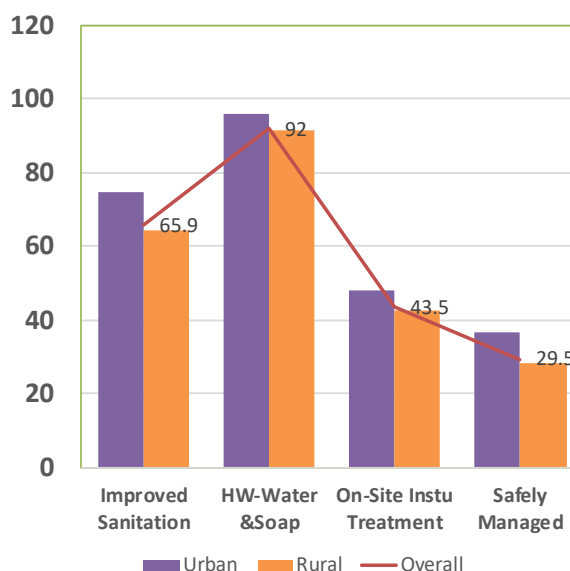
Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	85.78	40%	34.31
	Located in Premises	95.5	95.65			
	Water Available 24 Hours	97	90.75			
	Free from Contamination	70.4	61.99			
	Safely Managed Water	61.2	80.48			
Access to Sanitation	Improved Sanitation	64.3	35.49	22.61	40%	9.04
	Not Shared	69.6	1.45			
	Safe disposal in Situ (On site excreta treatment)	42.7	32.23			
	Safely Managed Sanitation	28.3	21.27			
Hygiene	Dedicated Place for HW with water and Soap	91.3	82.24	82.24	20%	16.40
Total Score						59.75

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.6	96.83	88.37	40%	35.35
	Located in Premises	89.7	89.09			
	Water Available 24 Hours	99.3	100.00			
	Free from Contamination	73.2	65.06			
	Safely Managed Water	72.4	90.88			
Access to Sanitation	Improved Sanitation	74.7	23.05	41.98	40%	16.79
	Not Shared	79	20.33			
	Safe disposal in Situ (On site excreta treatment)	48.1	66.97			
	Safely Managed Sanitation	36.9	57.58			
Hygiene	Dedicated Place for HW with water and Soap	96.1	79.86	79.86	20%	15.54
Total Score						67.68

Access to Water-Muzaffargarh



Access to Sanitation- Muzaffargarh



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	92.7	97.1	93.4	96.8	100	97.2	67.3	73.6	67.7	55.3	73.6	56.9
Poor	97.6	97.5	97.8	98.6	100	98.8	70.8	82.3	71.2	68.2	78.6	67.0
Middle	95.7	97.9	95.7	96.2	96.8	95.3	56.7	79.5	65.5	48.5	81.3	58.5
Rich	95.2	94.8	95.5	95.9	100	97.5	80.1	78.2	73	72.6	70.1	73.9
Richest	96.2	61	90.8	97.5	99.4	97.8	75.5	26	75.7	61.2	58.7	58.5

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

W Wealth Quintiles- Ladder of Safely Managed Sanitation

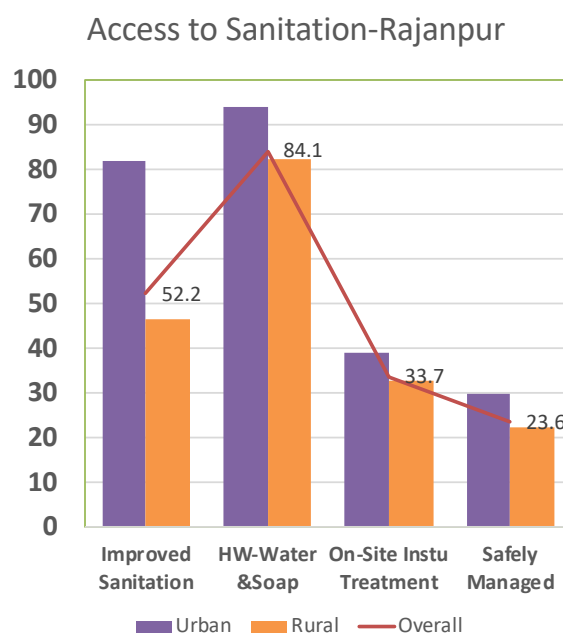
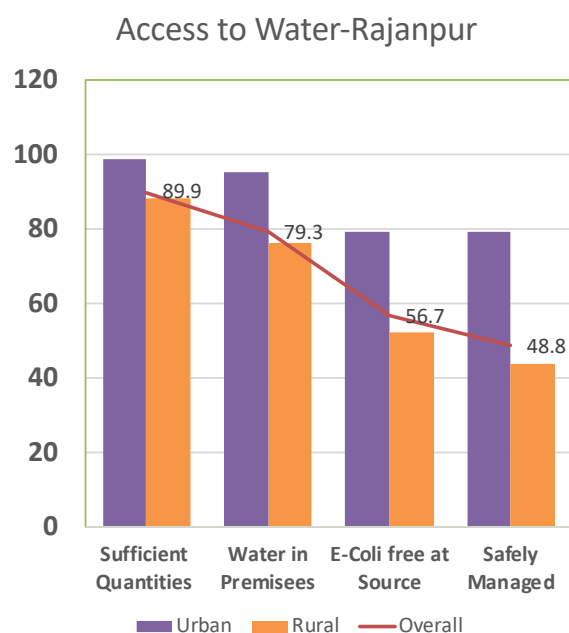
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	75	63.9	72.9	22.1	34.9	24.5	82.6	85.9	83.1	18.4	22.8	19.2
Poor	47.8	33.5	46.8	42.4	62.0	44.1	87.6	97.2	89.0	28.0	51.9	29.4
Middle	18.9	6.3	18.2	76.8	83.2	76.9	92.6	97.5	93.1	50.2	56.8	52.9
Rich	10.5	0.0	7.6	84.3	94.9	86.9	96.7	100	96.0	54.8	59.5	57.5
Richest	0.7	0.0	0.2	96.0	98.5	96.9	97.2	100	99.0	62.2	49.5	58.6

WASH Index**Rajanpur**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	95.6	49.43	51.56	40%	20.62
	Located in Premises	79.3	68.83			
	Water Available 24 Hours	89.9	53.59			
	Free from Contamination	55.9	37.33			
	Safely Managed Water	48.8	48.63			
Access to Sanitation	Improved Sanitation	52.2	0.00	19.01	40%	7.60
	Not Shared	74.1	11.49			
	Safe disposal in Situ (On site excreta treatment)	33.7	36.51			
	Safely Managed Sanitation	23.6	28.04			
Hygiene	Dedicated Place for HW with water and Soap	84.1	48.33	48.33	20%	9.67
Total Score						37.89

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	94.6	40.66	43.06	40%	17.23
	Located in Premises	76.2	60.69			
	Water Available 24 Hours	88.2	39.88			
	Free from Contamination	52.2	28.41			
	Safely Managed Water	43.9	45.67			
Access to Sanitation	Improved Sanitation	46.4	0.39	8.36	40%	3.34
	Not Shared	71.4	7.97			
	Safe disposal in Situ (On site excreta treatment)	32.7	14.81			
	Safely Managed Sanitation	22.4	10.26			
Hygiene	Dedicated Place for HW with water and Soap	82.2	53.89	53.89	20%	10.75
Total Score						31.31

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	93.08	40%	37.23
	Located in Premises	95.1	95.64			
	Water Available 24 Hours	98.6	97.02			
	Free from Contamination	79.1	72.75			
	Safely Managed Water	79.1	100.00			
Access to Sanitation	Improved Sanitation	81.7	44.86	44.41	40%	17.76
	Not Shared	82.3	34.02			
	Safe disposal in Situ (On site excreta treatment)	39	53.30			
	Safely Managed Sanitation	29.7	45.45			
Hygiene	Dedicated Place for HW with water and Soap	93.8	63.89	63.89	20%	12.43
Total Score						67.43



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	69.4	93.9	69.9	84.4	97.3	84.4	52.9	74.8	60	50.5	68.8	53.3
Poor	73.8	96.7	79.8	84.6	100	87.7	51.5	100	51.9	43.0	100.0	42.2
Middle	83.3	96.2	84.5	92.8	100	93.4	43.9	63.2	32.2	41.6	63.2	34.8
Rich	81.9	94	80	88.1	98.4	89.1	70.5	74.9	85.8	48.7	100.0	64.1
Richest	72.4	94.9	82.2	91.1	97.2	94.9	37.7	100	54.1	35.3	64.3	50.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	92.2	30.9	87.5	6.4	49.9	8.9	56.2	81.3	59.2	5.9	23.9	7.8
Poor	62.3	4.5	56.3	26.9	69.5	31.1	75.9	96.1	77.4	20.2	18.1	20.9
Middle	51.7	0.0	39.8	36.9	95.6	47.8	88.1	94.5	92.2	31.8	48.9	40.4
Rich	13.7	0.0	8.2	72.4	100.0	80.4	95.3	100	93.7	54.5	52.8	51.2
Richest	2.5	0.0	0.0	89.8	93.1	93.1	95.5	97.2	97.9	51.0	51.1	48.3

WASH Index**Faisalabad**

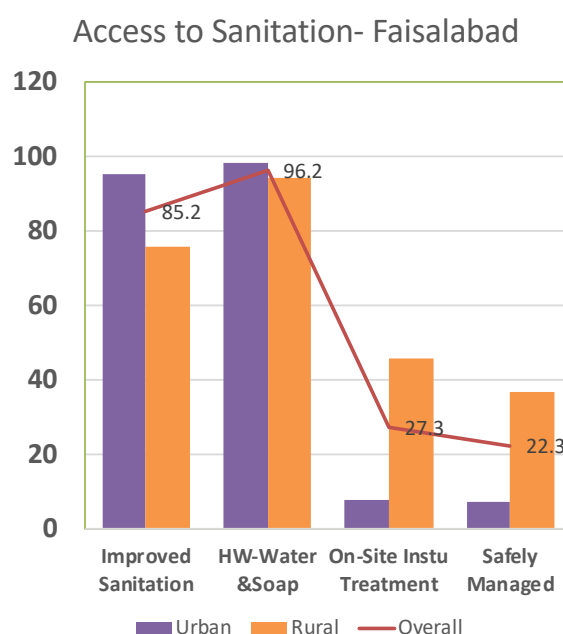
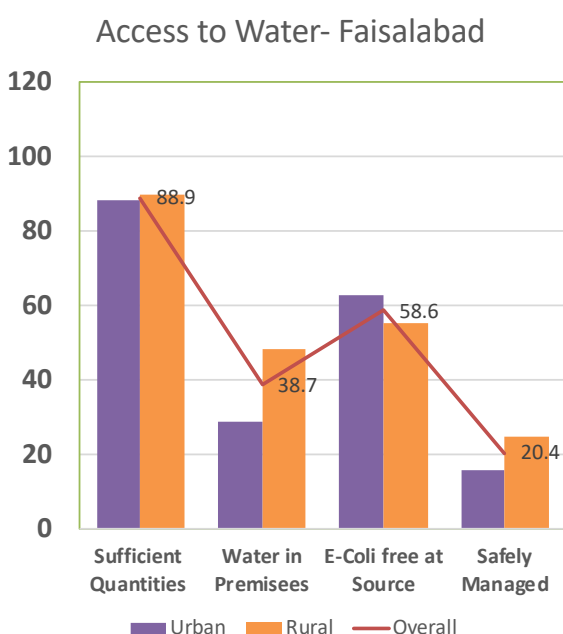
Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	95.9	52.87	28.91	40%	11.57
	Located in Premises	38.7	1.17			
	Water Available 24 Hours	88.9	48.07			
	Free from Contamination	58.9	42.47			
	Safely Managed Water	20.4	0.00			
Access to Sanitation	Improved Sanitation	85.2	72.21	46.20	40%	18.48
	Not Shared	86.5	59.00			
	Safe disposal in Situ (On site excreta treatment)	27.3	27.66			
	Safely Managed Sanitation	22.3	25.93			
Hygiene	Dedicated Place for HW with water and Soap	96.4	94.05	94.05	20%	18.81
Total Score						48.86

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	93.5	28.57	25.42	40%	10.17
	Located in Premises	48.2	9.96			
	Water Available 24 Hours	89.6	47.98			
	Free from Contamination	55.2	33.95			
	Safely Managed Water	24.5	6.64			
Access to Sanitation	Improved Sanitation	75.6	57.65	46.33	40%	18.53
	Not Shared	83.9	53.26			
	Safe disposal in Situ (On site excreta treatment)	45.7	37.46			
	Safely Managed Sanitation	36.7	36.94			
Hygiene	Dedicated Place for HW with water and Soap	94.4	91.90	91.90	20%	18.32
Total Score						47.02

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.4	87.30	44.12	40%	17.65
	Located in Premises	28.6	15.03			
	Water Available 24 Hours	88.2	52.77			
	Free from Contamination	62.8	51.50			
	Safely Managed Water	15.9	14.01			
Access to Sanitation	Improved Sanitation	95.4	87.54	40.45	40%	16.18
	Not Shared	88.7	60.58			
	Safe disposal in Situ (On site excreta treatment)	7.8	6.46			
	Safely Managed Sanitation	7	7.24			
Hygiene	Dedicated Place for HW with water and Soap	98.1	93.75	93.75	20%	18.24
Total Score						52.07

WASH Profile & Inequities

Faisalabad



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	61.6	46.3	59.4	94.1	89.5	91.4	37.1	42.1	37.9	17.4	16.0	19.2
Poor	58.1	34.6	49.5	89	86.8	89.6	41.9	61.5	56.5	18.5	17.7	22.4
Middle	53.2	26.5	37.4	89	85.2	87.7	62.9	63.3	62.8	31.0	19.7	23.8
Rich	39.2	19.7	28.8	87.4	89.4	87.1	78.9	72	62.3	26.5	12.8	18.3
Richest	29.1	15.8	18.2	88.6	90.2	88.9	65.1	80.6	79.4	29.3	13.1	18.1

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	64.9	2.0	37.7	28.2	88.3	54.3	82.3	94.8	88.2	22.2	21.6	38.2
Poor	7.1	0.0	.3	81.7	93.9	87.3	94.1	99.8	96.6	59.4	4.5	46.6
Middle	0.3	0.0	0.0	87.5	96.6	90.5	97.9	97.3	98.5	52.2	7.2	31.5
Rich	0.0	0.0	0.0	88.9	98.9	95.2	98.8	98.5	98.3	52.9	3.2	15.7
Richest	0.0	0.0	0.0	91.4	99.5	98.9	98.9	100	99.4	41.5	2.6	4.3

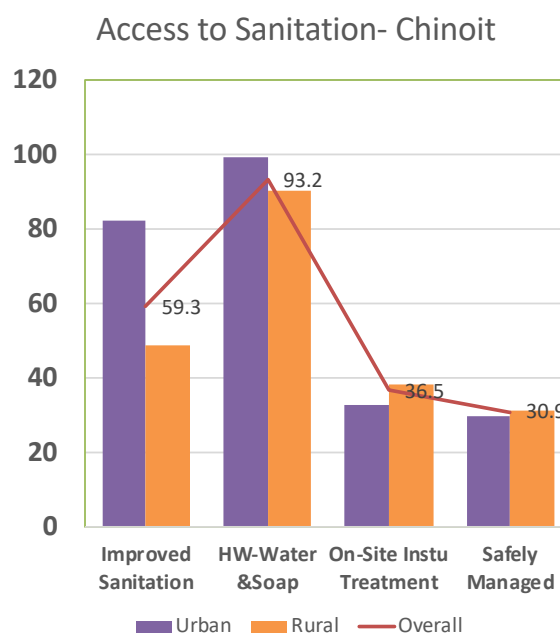
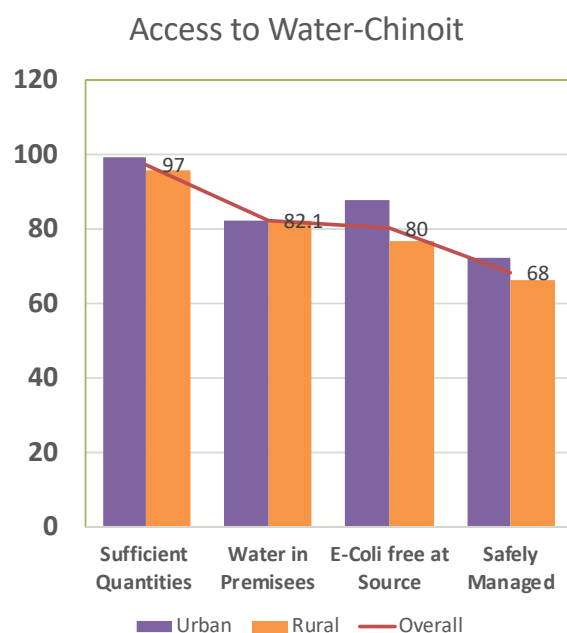
WASH Index

Chinoit

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	85.28	40%	34.11
	Located in Premises	82.1	73.50			
	Water Available 24 Hours	97	92.82			
	Free from Contamination	80	78.60			
	Safely Managed Water	68	81.51			
Access to Sanitation	Improved Sanitation	59.3	15.54	35.08	40%	14.03
	Not Shared	83.8	48.66			
	Safe disposal in Situ (On site excreta treatment)	33.5	36.24			
	Safely Managed Sanitation	30.9	39.87			
Hygiene	Dedicated Place for HW with water and Soap	93.2	82.16	82.16	20%	16.43
Total Score						64.58

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	83.99	40%	33.60
	Located in Premises	82	71.20			
	Water Available 24 Hours	95.9	84.39			
	Free from Contamination	76.7	73.62			
	Safely Managed Water	66.3	90.74			
Access to Sanitation	Improved Sanitation	48.6	4.71	25.23	40%	10.09
	Not Shared	81.6	44.93			
	Safe disposal in Situ (On site excreta treatment)	38.1	24.22			
	Safely Managed Sanitation	31.4	27.05			
Hygiene	Dedicated Place for HW with water and Soap	90.2	78.82	78.82	20%	15.71
Total Score						59.40

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	90.77	40%	36.31
	Located in Premises	82.4	80.24			
	Water Available 24 Hours	99.2	99.57			
	Free from Contamination	87.5	83.70			
	Safely Managed Water	72	90.34			
Access to Sanitation	Improved Sanitation	82	45.79	46.44	40%	18.58
	Not Shared	86.2	50.21			
	Safe disposal in Situ (On site excreta treatment)	32.9	44.14			
	Safely Managed Sanitation	29.8	45.62			
Hygiene	Dedicated Place for HW with water and Soap	99.4	102.78	102.78	20%	20.00
Total Score						74.89



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	71.9	87.5	72.7	94.1	100	95.3	59.1	85.5	64.1	58.1	81.3	54.8
Poor	80.6	82	86.3	97.3	100	98.4	59.8	77.9	72.2	58.1	66.3	69.5
Middle	87.4	89.6	86.3	97.9	98.9	94	79.9	90.6	82.2	68.7	55.6	68.9
Rich	85.7	83.1	84.2	93.6	100	98.9	84.4	100	86.9	62.6	82.5	77.7
Richest				96.7	97.1	98.2	89.1	100	91.9	84.2	76.3	69.8

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	98.1	17.8	96.9	1.9	73.4	3.1	77.0	100	79.5	1.4	49.4	2.7
Poor	90.1	0.0	63.7	9.9	88.1	34.7	85.2	97.2	91.9	9.0	39.9	29.4
Middle	46.2	0.0	15.1	51.7	86.5	82.0	95.8	100	95.5	45.2	21.9	63.8
Rich	15.8	0.0	.5	80.9	81.7	91.9	93.4	100	99.1	62.8	27.1	57.4
Richest	0.8	0.0	0.0	98.5	80.0	84.7	99.7	100	99.8	72.1	26.6	29.0

WASH Index

Jhang

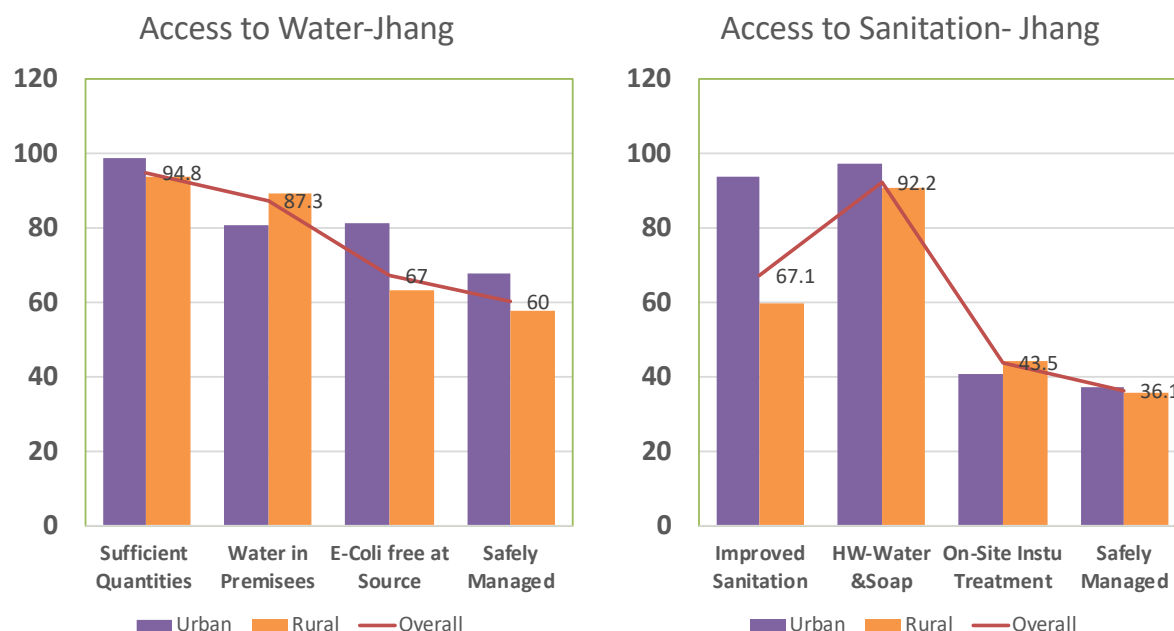
Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.8	97.70	77.00	40%	30.80
	Located in Premises	87.3	82.17			
	Water Available 24 Hours	94.8	80.66			
	Free from Contamination	67.2	56.68			
	Safely Managed Water	60	67.81			
Access to Sanitation	Improved Sanitation	67.1	32.60	47.30	40%	18.92
	Not Shared	86.3	58.24			
	Safe disposal in Situ (On site excreta treatment)	43.5	50.07			
	Safely Managed Sanitation	36.1	48.30			
Hygiene	Dedicated Place for HW with water and Soap	92.5	79.55	79.55	20%	15.91
Total Score						65.63

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	75.46	40%	30.19
	Located in Premises	89.1	84.06			
	Water Available 24 Hours	93.7	71.68			
	Free from Contamination	63	48.34			
	Safely Managed Water	57.6	73.24			
Access to Sanitation	Improved Sanitation	59.9	26.86	36.97	40%	14.79
	Not Shared	83.2	50.72			
	Safe disposal in Situ (On site excreta treatment)	44.3	35.02			
	Safely Managed Sanitation	35.8	35.26			
Hygiene	Dedicated Place for HW with water and Soap	90.9	81.00	81.00	20%	16.15
Total Score						61.12

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.2	93.65	86.08	40%	34.43
	Located in Premises	80.6	78.06			
	Water Available 24 Hours	98.9	98.30			
	Free from Contamination	81.3	75.62			
	Safely Managed Water	67.9	84.76			
Access to Sanitation	Improved Sanitation	93.6	81.93	69.03	40%	27.61
	Not Shared	93.4	80.08			
	Safe disposal in Situ (On site excreta treatment)	40.7	55.86			
	Safely Managed Sanitation	37.3	58.25			
Hygiene	Dedicated Place for HW with water and Soap	97.1	86.81	86.81	20%	16.89
Total Score						78.94

WASH Profile & Inequities

Jhang



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	82.5	87.8	82.4	91.3	96.6	92.7	51.3	73.5	52	32.9	88.6	39.2
Poor	86.5	95.9	88.3	92.4	100	92.6	57.5	100	56.1	56.6	100.0	51.9
Middle	91.3	81.5	91.7	95.3	100	95.7	55.1	100	73.5	53.0	65.9	67.0
Rich	93.2	76.6	93.8	96.1	98.4	95.5	73.8	61.7	73.7	65.5	35.5	77.7
Richest	91.9	61.3	80.1	93.4	99.4	97.7	77.3	73	79.1	80.1	51.5	64.1

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

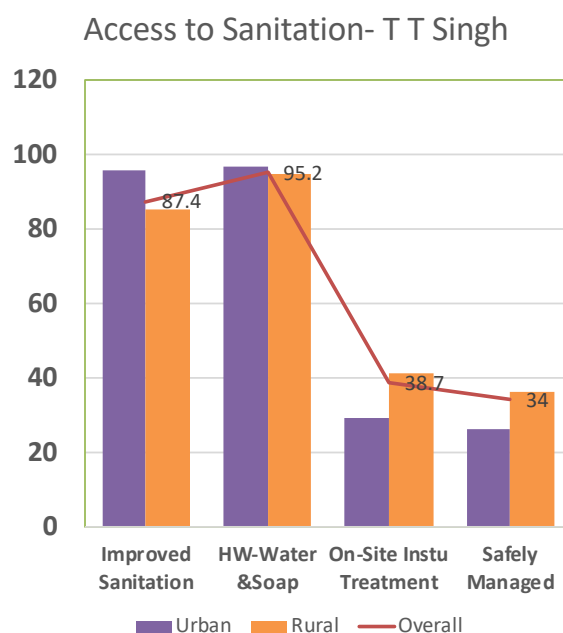
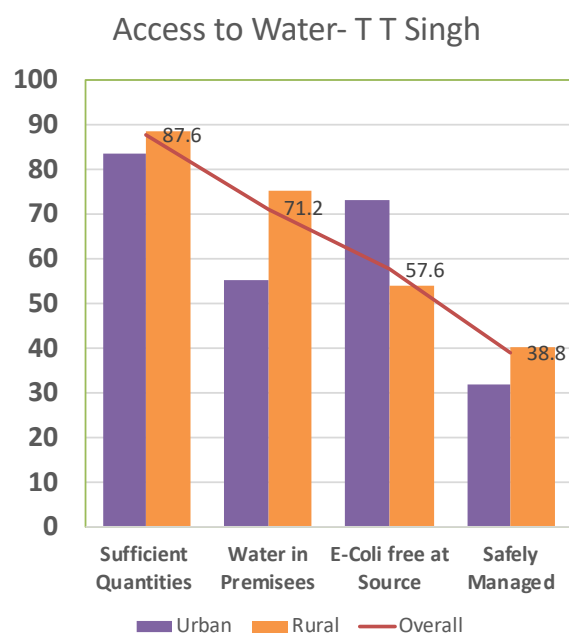
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	94.6	2.1	89.3	4.7	75.5	9.6	79.3	86.6	80.2	2.9	51.1	7.1
Poor	59	0.0	49.1	38.7	95.8	49.1	86.0	100	88.9	32.6	50.4	40.7
Middle	29.2	0.0	13.9	68.1	98.4	81.3	92.9	100	94.6	55.4	49.0	60.7
Rich	6.3	0.0	1.1	89.9	98.1	97.0	97.2	98.7	98.0	71.3	32.4	66.2
Richest	0.4	0.0	0.0	98.2	100.0	98.6	98.8	100	99.2	59.5	20.4	42.9

WASH Index**Toba Tek Singh**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.4	81.61	49.78	40%	19.91
	Located in Premises	71.2	55.33			
	Water Available 24 Hours	87.6	40.88			
	Free from Contamination	57.2	39.55			
	Safely Managed Water	38.8	31.51			
Access to Sanitation	Improved Sanitation	87.4	77.02	60.49	40%	24.20
	Not Shared	91.1	76.63			
	Safe disposal in Situ (On site excreta treatment)	38.7	43.43			
	Safely Managed Sanitation	34	44.89			
Hygiene	Dedicated Place for HW with water and Soap	96	92.57	92.57	20%	18.51
Total Score						62.62

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.3	81.32	50.63	40%	20.25
	Located in Premises	75.4	59.24			
	Water Available 24 Hours	88.7	42.77			
	Free from Contamination	53.8	31.37			
	Safely Managed Water	40.3	38.43			
Access to Sanitation	Improved Sanitation	85.3	76.67	54.28	40%	21.71
	Not Shared	89.9	75.00			
	Safe disposal in Situ (On site excreta treatment)	41.2	29.62			
	Safely Managed Sanitation	36.1	35.82			
Hygiene	Dedicated Place for HW with water and Soap	94.8	93.15	93.15	20%	18.57
Total Score						60.53

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.4	87.30	53.56	40%	21.42
	Located in Premises	55	47.03			
	Water Available 24 Hours	83.5	32.77			
	Free from Contamination	73.2	65.06			
	Safely Managed Water	31.8	35.65			
Access to Sanitation	Improved Sanitation	95.6	88.16	63.71	40%	25.48
	Not Shared	95.4	88.38			
	Safe disposal in Situ (On site excreta treatment)	29.4	38.89			
	Safely Managed Sanitation	26.1	39.39			
Hygiene	Dedicated Place for HW with water and Soap	96.8	84.72	84.72	20%	16.49
Total Score						63.39



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	77.5	52.6	77	93.9	81.2	92.4	38	93.8	44.3	29.6	54.2	37.7
Poor	80.4	57.9	79.9	88.8	78.4	89.1	47.4	58	48.1	39.0	0.0	32.9
Middle	84	64.9	76.6	88.1	84.6	89.2	56.2	65.4	56.6	44.9	0.0	50.9
Rich	70.3	54.1	65.1	87.5	83.8	80.1	52.1	70.2	63.7	41.2	36.5	26.7
Richest	64.9	45.7	57.1	85.1	89.5	87.2	76.6	70.8	77	46.6	63.7	46.0

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	46.7	6.0	40.7	42.6	93.5	49.6	83.4	92.4	85.8	25.4	30.6	30.0
Poor	7.2	0.0	4.0	87.3	100.0	92.5	95.0	93.8	94.7	53.3	41.5	50.4
Middle	1.1	0.0	0.0	98.1	89.0	99.4	97.3	100	97.2	51.6	24.1	46.3
Rich	0.0	0.0	0.0	99.3	100.0	98.7	98.2	100	98.7	41.3	23.6	38.0
Richest	0.0	0.0	0.0	98.9	95.5	97.0	100.0	97.9	99.6	34.2	27.1	28.8

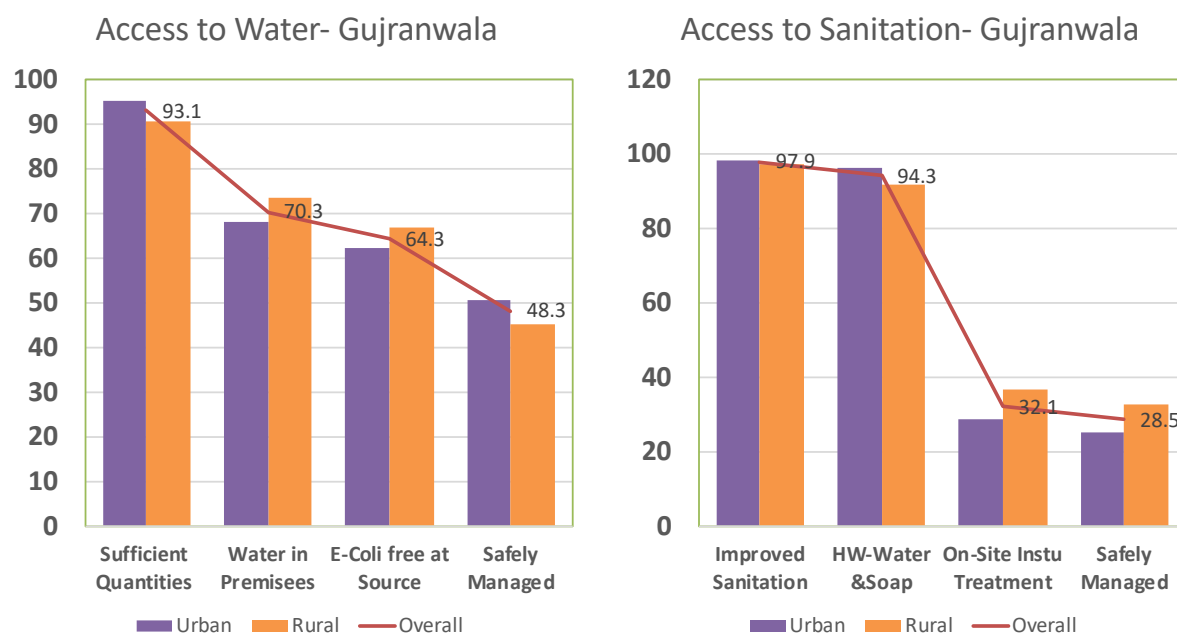
WASH Index

Gujranwala

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.55	64.23	40%	25.69
	Located in Premises	70.3	53.83			
	Water Available 24 Hours	93.1	71.27			
	Free from Contamination	64.3	51.71			
	Safely Managed Water	48.3	47.77			
Access to Sanitation	Improved Sanitation	97.9	100.00	66.04	40%	26.42
	Not Shared	95.6	93.87			
	Safe disposal in Situ (On site excreta treatment)	32.1	34.30			
	Safely Managed Sanitation	28.5	35.98			
Hygiene	Dedicated Place for HW with water and Soap	94.4	86.62	86.62	20%	17.32
Total Score						69.43

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.70	61.34	40%	24.53
	Located in Premises	73.5	55.80			
	Water Available 24 Hours	90.5	53.18			
	Free from Contamination	66.9	55.54			
	Safely Managed Water	45	45.47			
Access to Sanitation	Improved Sanitation	97.2	100.00	60.87	40%	24.35
	Not Shared	94.5	91.67			
	Safe disposal in Situ (On site excreta treatment)	36.8	21.95			
	Safely Managed Sanitation	32.9	29.85			
Hygiene	Dedicated Place for HW with water and Soap	91.8	83.80	83.80	20%	16.71
Total Score						65.59

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	97.62	70.89	40%	28.36
	Located in Premises	68	62.79			
	Water Available 24 Hours	95	81.70			
	Free from Contamination	62.4	50.98			
	Safely Managed Water	50.7	61.36			
Access to Sanitation	Improved Sanitation	98.4	96.88	66.26	40%	26.51
	Not Shared	96.3	92.12			
	Safe disposal in Situ (On site excreta treatment)	28.7	37.84			
	Safely Managed Sanitation	25.4	38.22			
Hygiene	Dedicated Place for HW with water and Soap	96.1	79.86	79.86	20%	15.54
Total Score						70.40



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	81.2	74.9	77.8	92.3	96.2	91.8	51.9	45.8	61.2	30.6	35.1	43.1
Poor	74.5	63.1	68.6	87.1	94.4	90.8	78.6	66.5	57.7	57.8	34.1	32.7
Middle	65.3	67	66	87.7	93.5	94.1	67.4	65.3	64.6	27.9	61.3	38.6
Rich	67.2	66.7	68.7	91.2	96.4	94.1	60.5	75.2	68	42.2	61.3	59.4
Richest	79.2	68.1	70.3	94.1	94.3	94.6	74.5	59.8	71.3	67.9	61.1	67.8

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	8.1	0.3	3.6	87.7	96.1	93.8	80.5	91.9	86.3	38.4	48.4	44.1
Poor	0.0	0.5	0.0	99.8	97.1	98.2	91.0	93.8	93.8	38.0	32.9	38.5
Middle	0.0	0.0	0.0	99.6	99.8	98.6	95.5	97.4	94.9	35.9	30.7	34.3
Rich	0.0	0.0	0.0	100.0	99.0	99.2	94.0	98.9	98.4	37.8	19.2	28.7
Richest	0.0	0.0	0.0	99.2	100.0	99.8	98.3	98.6	98.3	34.0	12.1	14.8

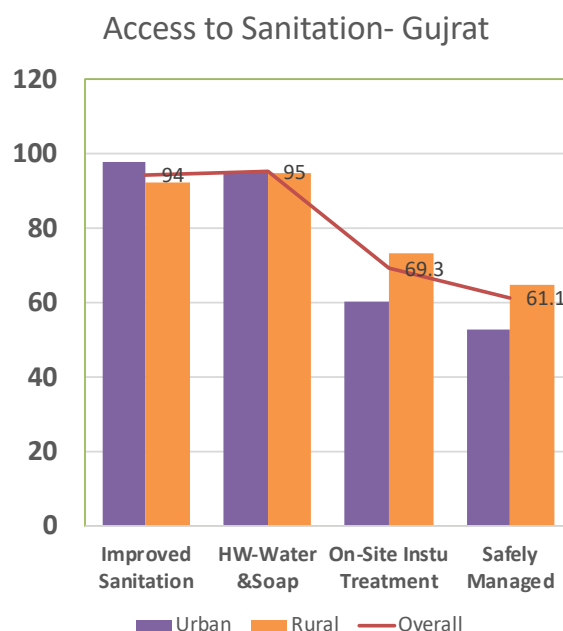
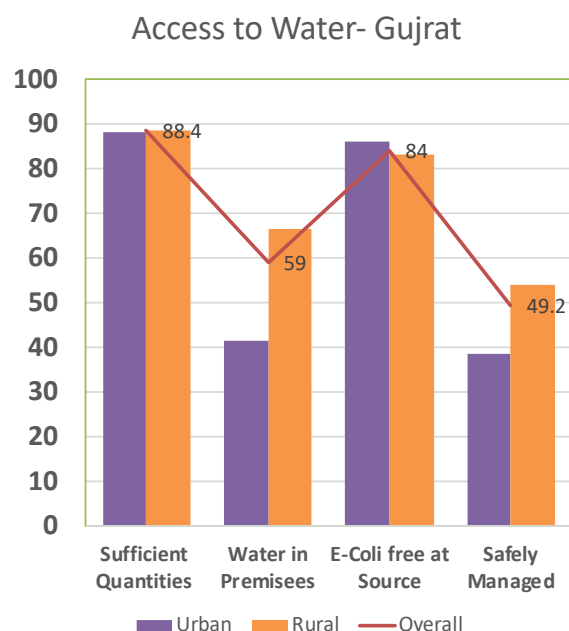
WASH Index

Gujrat

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99	88.51	60.71	40%	24.29
	Located in Premises	59	35.00			
	Water Available 24 Hours	88.4	45.30			
	Free from Contamination	84	85.45			
	Safely Managed Water	49.2	49.32			
Access to Sanitation	Improved Sanitation	94	91.47	85.57	40%	34.23
	Not Shared	91	76.25			
	Safe disposal in Situ (On site excreta treatment)	69.3	85.75			
	Safely Managed Sanitation	61.1	88.82			
Hygiene	Dedicated Place for HW with water and Soap	95.7	91.45	91.45	20%	18.29
Total Score						76.80

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.9	87.91	60.78	40%	24.31
	Located in Premises	66.6	43.30			
	Water Available 24 Hours	88.5	41.62			
	Free from Contamination	83.2	85.61			
	Safely Managed Water	54.1	45.47			
Access to Sanitation	Improved Sanitation	92.3	90.39	86.61	40%	34.65
	Not Shared	91.7	81.52			
	Safe disposal in Situ (On site excreta treatment)	73.2	85.37			
	Safely Managed Sanitation	64.7	89.18			
Hygiene	Dedicated Place for HW with water and Soap	94.9	93.46	93.46	20%	18.63
Total Score						77.65
Total Score						77.59

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.4	95.24	61.04	40%	24.41
	Located in Premises	41.5	30.67			
	Water Available 24 Hours	88.2	52.77			
	Free from Contamination	85.9	81.62			
	Safely Managed Water	38.6	44.90			
Access to Sanitation	Improved Sanitation	97.8	95.02	82.32	40%	32.93
	Not Shared	89.6	64.32			
	Safe disposal in Situ (On site excreta treatment)	60.4	85.44			
	Safely Managed Sanitation	52.9	84.51			
Hygiene	Dedicated Place for HW with water and Soap	95.3	74.31	74.31	20%	14.46
Total Score						71.80



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	66.1	46	62.9	86	84.4	86.6	82.3	94.8	81	62.9	41.3	55.8
Poor	67.9	39.4	64.5	88.8	82.8	87.6	79	85.8	90.7	49.8	47.8	49.0
Middle	60	41.6	53.7	91.6	92.9	89.4	96.7	79.6	82.2	48.3	34.6	47.4
Rich	64.3	29.6	54.6	90.3	87.3	88.1	79	71.4	85.4	59.0	21.5	50.9
Richest	74.9	51	59.3	85.9	93.8	90.5	81.4	87.3	81.5	50.8	48.5	42.9

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	28	21.9	21.9	67.5	93.3	74.9	88.1	88.5	89.0	60.0	68.2	66.3
Poor	2.3	1.2	1.2	96.5	97.1	97.5	95.0	97.6	94.4	83.8	61.2	79.9
Middle	0.0	0.0	0.0	99.1	99.1	98.7	95.9	97.6	96.2	83.2	71.9	73.0
Rich	0.0	0.0	0.0	99.0	100.0	99.3	97.0	100	98.6	71.5	61.7	70.4
Richest	0.0	0.0	0.0	99.7	99.6	99.7	98.3	92.9	96.9	67.5	38.9	57.0

WASH Index**Hafizabad**

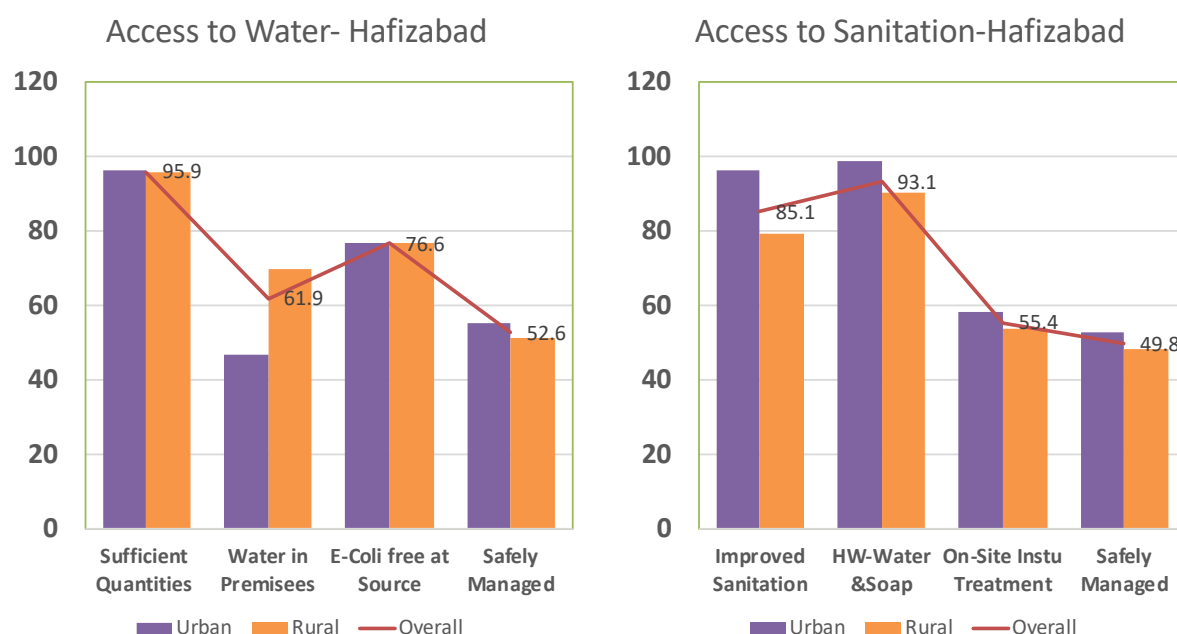
Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	95.1	43.68	59.50	40%	23.80
	Located in Premises	61.9	39.83			
	Water Available 24 Hours	95.9	86.74			
	Free from Contamination	76.2	72.09			
	Safely Managed Water	52.6	55.14			
Access to Sanitation	Improved Sanitation	85.1	71.99	70.36	40%	28.14
	Not Shared	90	72.41			
	Safe disposal in Situ (On site excreta treatment)	55.4	66.53			
	Safely Managed Sanitation	49.8	70.50			
Hygiene	Dedicated Place for HW with water and Soap	93.3	82.53	82.53	20%	16.51
Total Score						68.45

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	96.4	60.44	62.10	40%	24.84
	Located in Premises	69.9	49.28			
	Water Available 24 Hours	95.5	82.08			
	Free from Contamination	76.5	73.25			
	Safely Managed Water	51.3	45.47			
Access to Sanitation	Improved Sanitation	79.1	64.51	63.63	40%	25.45
	Not Shared	91.3	80.07			
	Safe disposal in Situ (On site excreta treatment)	53.9	51.74			
	Safely Managed Sanitation	48.1	58.21			
Hygiene	Dedicated Place for HW with water and Soap	90.2	78.82	78.82	20%	15.71
Total Score						66.01

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	92.9	43.65	60.84	40%	24.34
	Located in Premises	46.9	37.21			
	Water Available 24 Hours	96.4	87.66			
	Free from Contamination	75.5	68.06			
	Safely Managed Water	55.3	67.62			
Access to Sanitation	Improved Sanitation	96.2	90.03	80.91	40%	32.36
	Not Shared	90.2	66.80			
	Safe disposal in Situ (On site excreta treatment)	58.3	82.28			
	Safely Managed Sanitation	52.9	84.51			
Hygiene	Dedicated Place for HW with water and Soap	98.5	96.53	96.53	20%	18.78
Total Score						75.00

WASH Profile & Inequities

Hafizabad



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	85.5	78.6	83.2	96.5	98.6	96.3	90.9	100	78.2	73.8	59.2	69.1
Poor	67.5	44.9	65.5	96.2	97.7	96.5	51.2	81.1	72.4	36.4	55.4	35.3
Middle	70.9	44.3	60.7	94.5	96.7	96.6	87.3	54.3	85.4	46.1	75.1	64.4
Rich	64.1	33.1	53.4	96.9	95.7	96.3	85.5	58.8	78.3	66.5	23.6	54.6
Richest	61.9	33.8	46.6	93.7	93.4	93.6	71.8	100	61.6	32.4	62.9	40.8

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

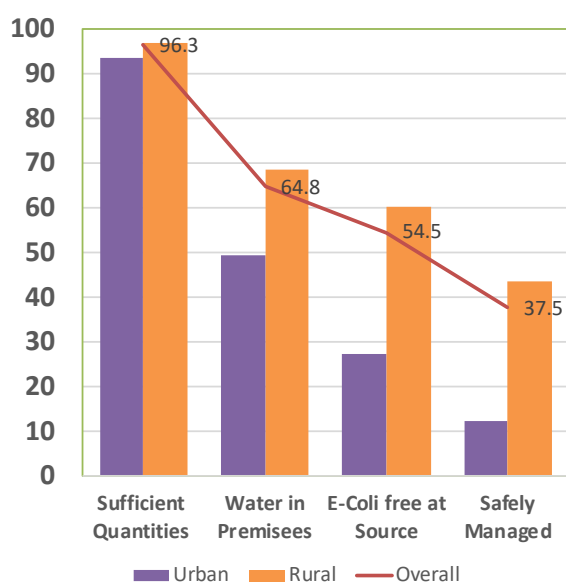
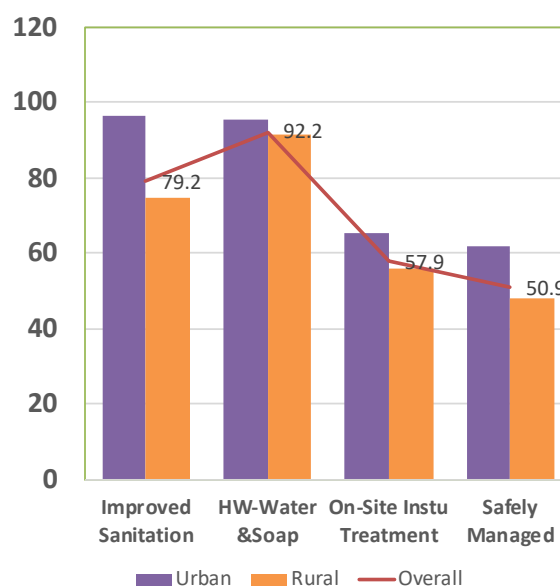
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	77.1	16.9	62.3	21.2	80.8	35.0	79.2	94.1	83.6	17.3	54.6	28.1
Poor	17.7	0.0	6.9	78.4	100.0	91.4	85.2	100	88.8	59.3	74.1	65.2
Middle	2.4	0.0	0.0	97.1	100.0	98.9	95.5	100	97.2	68.7	72.4	70.1
Rich	0.0	0.0	0.0	98.9	100.0	100.0	93.2	98.2	96.9	65.3	43.9	74.5
Richest	0.0	0.0	0.0	100.0	100.0	100.0	97.9	100	99.0	58.8	46.6	49.1

WASH Index**Mandi Bhauddin**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.8	74.71	54.30	40%	21.72
	Located in Premises	64.8	44.67			
	Water Available 24 Hours	96.3	88.95			
	Free from Contamination	53.9	33.90			
	Safely Managed Water	37.5	29.28			
Access to Sanitation	Improved Sanitation	79.2	59.08	70.55	40%	28.22
	Not Shared	92.2	80.84			
	Safe disposal in Situ (On site excreta treatment)	57.9	69.99			
	Safely Managed Sanitation	50.9	72.29			
Hygiene	Dedicated Place for HW with water and Soap	92.4	79.18	79.18	20%	15.84
Total Score						65.78

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.4	82.42	61.82	40%	24.73
	Located in Premises	68.7	47.10			
	Water Available 24 Hours	97	90.75			
	Free from Contamination	60.3	43.36			
	Safely Managed Water	43.6	45.47			
Access to Sanitation	Improved Sanitation	74.8	56.08	61.81	40%	24.72
	Not Shared	90.6	77.54			
	Safe disposal in Situ (On site excreta treatment)	56	55.40			
	Safely Managed Sanitation	48.1	58.21			
Hygiene	Dedicated Place for HW with water and Soap	91.4	82.55	82.55	20%	16.46
Total Score						65.91

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	95.3	62.70	38.41	40%	15.36
	Located in Premises	49.4	40.24			
	Water Available 24 Hours	93.4	74.89			
	Free from Contamination	27.2	5.08			
	Safely Managed Water	12.3	9.12			
Access to Sanitation	Improved Sanitation	96.4	90.65	94.49	40%	37.80
	Not Shared	97	95.02			
	Safe disposal in Situ (On site excreta treatment)	65.3	92.79			
	Safely Managed Sanitation	61.8	99.49			
Hygiene	Dedicated Place for HW with water and Soap	95.3	74.31	74.31	20%	14.46
Total Score						67.62

Access to Water- M.Bahauddin

Access to Sanitation- M Bhauddin

Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	79.6	66.1	79.4	99.1	94.1	98.1	59.4	10.1	52.7	52.4	0.0	45.6
Poor	69	50.7	67.2	98.3	85.6	97.8	49	42	49.3	33.5	21.0	31.6
Middle	69.2	51.2	67.5	94.9	93.9	95.3	65.4	17.3	67.9	51.5	7.8	49.5
Rich	63.2	42	59.2	97.4	94.3	94.6	69.7	35.9	52.1	43.6	16.2	37.1
Richest	62.7	37.1	50.7	95.6	99	95.6	53.9	33.5	40.1	36.9	17.2	23.5

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

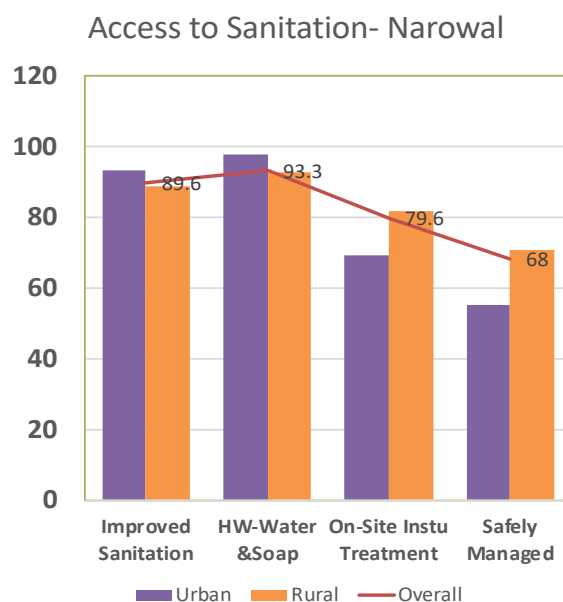
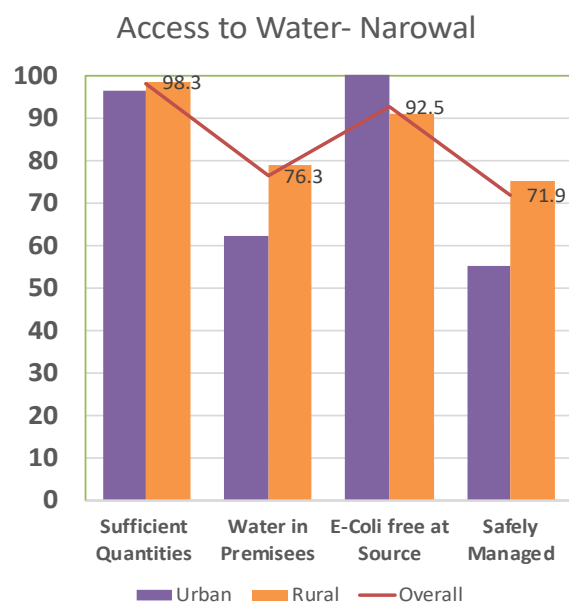
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	74.7	8.4	67.1	22.5	85.7	28.3	77.8	80.7	78.1	16.2	55.8	20.8
Poor	31.4	0.0	22.8	64.6	98.7	75.2	90.0	100	90.5	51.6	71.1	59.0
Middle	9.4	0.0	4.2	89.0	100.0	94.2	93.4	100	95.8	71.5	73.4	72.0
Rich	1.3	0.0	.5	98.4	98.7	98.9	98.3	95.7	98.8	72.6	69.5	71.7
Richest	0.0	0.0	0.0	99.5	99.0	99.5	97.7	100	98.0	67.9	56.8	65.7

WASH Index**Narowal**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.55	89.71	40%	35.89
	Located in Premises	76.3	63.83			
	Water Available 24 Hours	98.3	100.00			
	Free from Contamination	92.5	100.00			
	Safely Managed Water	71.9	88.18			
Access to Sanitation	Improved Sanitation	89.6	81.84	88.66	40%	35.46
	Not Shared	90.1	72.80			
	Safe disposal in Situ (On site excreta treatment)	79.6	100.00			
	Safely Managed Sanitation	68	100.00			
Hygiene	Dedicated Place for HW with water and Soap	93.4	82.90	82.90	20%	16.58
Total Score						87.93

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.70	81.62	40%	32.65
	Located in Premises	79.1	65.94			
	Water Available 24 Hours	98.6	100.00			
	Free from Contamination	91	100.00			
	Safely Managed Water	75.3	45.47			
Access to Sanitation	Improved Sanitation	88.9	83.73	90.41	40%	36.16
	Not Shared	90.7	77.90			
	Safe disposal in Situ (On site excreta treatment)	81.6	100.00			
	Safely Managed Sanitation	70.5	100.00			
Hygiene	Dedicated Place for HW with water and Soap	92.5	85.98	85.98	20%	17.14
Total Score						85.95

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	82.19	40%	32.27
	Located in Premises	62.1	55.64			
	Water Available 24 Hours	96.5	88.09			
	Free from Contamination	100	100.00			
	Safely Managed Water	55	67.21			
Access to Sanitation	Improved Sanitation	93.4	81.31	80.67	40%	32.27
	Not Shared	87.2	54.36			
	Safe disposal in Situ (On site excreta treatment)	69.3	98.80			
	Safely Managed Sanitation	55.1	88.22			
Hygiene	Dedicated Place for HW with water and Soap	97.6	90.28	90.28	20%	17.57
Total Score						82.71



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	82.7	71.6	79.2	97.6	94.7	97.2	94.7	100	95.7	88.5	100.0	84.3
Poor	72.5	63.1	76.8	98.5	100	98.4	98.1	100	98.5	84.6	100.0	76.5
Middle	77.8	52.5	79.1	98.9	91.4	98.9	90.9	100	92.3	70.5	36.3	80.6
Rich	82.3	48.7	78.8	99.3	96.5	99.4	85.7	100	85.9	69.4	0.0	78.1
Richest	80	75.1	67.4	98.7	100	97.5	89.3	NA	92.5	63.5	65.9	40.5

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	44.4	0.0	37.6	53.7	84.7	59.3	81.7	95.5	82.8	52.6	84.7	57.3
Poor	5.8	0.0	4.5	92.9	90.6	93.7	90.8	100	93.4	85.3	69.6	88.0
Middle	0.2	0.0	0.0	98.8	100.0	98.8	94.1	100	95.2	90.7	56.8	88.1
Rich	0.0	0.0	0.0	100.0	100.0	98.5	98.2	92.2	98.2	90.5	77.4	90.5
Richest	0.0	0.0	0.0	98.8	91.4	97.6	97.5	100	96.9	89.0	58.3	73.8

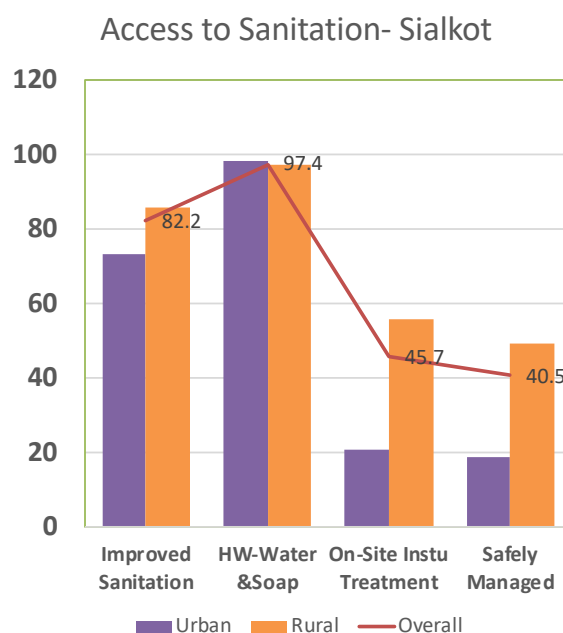
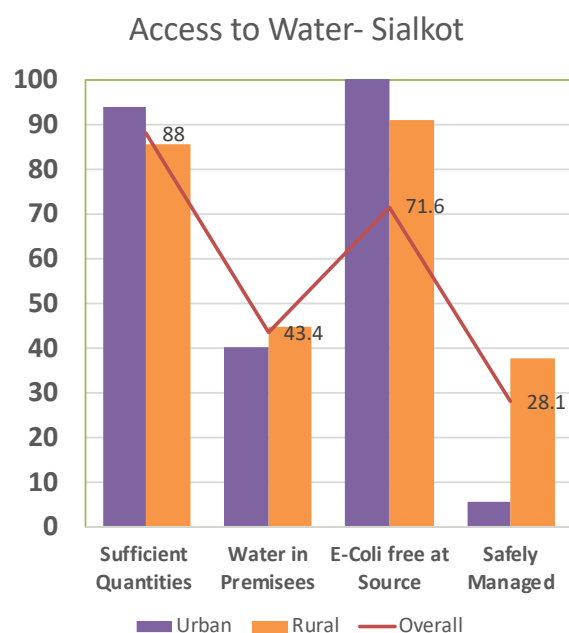
WASH Index

Sialkot

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.85	45.67	40%	18.27
	Located in Premises	43.4	9.00			
	Water Available 24 Hours	88	43.09			
	Free from Contamination	71.6	64.21			
	Safely Managed Water	28.1	13.18			
Access to Sanitation	Improved Sanitation	82.2	65.65	61.84	40%	24.74
	Not Shared	90.2	73.18			
	Safe disposal in Situ (On site excreta treatment)	45.7	53.11			
	Safely Managed Sanitation	40.5	55.43			
Hygiene	Dedicated Place for HW with water and Soap	98	100.00	100.00	20%	20.00
Total Score						51.87

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.90	51.51	40%	20.60
	Located in Premises	44.7	3.62			
	Water Available 24 Hours	85.7	25.43			
	Free from Contamination	82.4	84.13			
	Safely Managed Water	37.6	45.47			
Access to Sanitation	Improved Sanitation	85.9	77.84	66.45	40%	26.58
	Not Shared	89.2	72.46			
	Safe disposal in Situ (On site excreta treatment)	55.8	55.05			
	Safely Managed Sanitation	49.3	60.45			
Hygiene	Dedicated Place for HW with water and Soap	97.1	100.31	100.31	20%	20.00
Total Score						67.19

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	97.62	46.69	40%	18.68
	Located in Premises	40.1	28.97			
	Water Available 24 Hours	93.9	77.02			
	Free from Contamination	46.2	29.86			
	Safely Managed Water	5.6	0.00			
Access to Sanitation	Improved Sanitation	73.1	18.07	37.04	40%	14.82
	Not Shared	92.7	77.18			
	Safe disposal in Situ (On site excreta treatment)	20.8	25.98			
	Safely Managed Sanitation	18.7	26.94			
Hygiene	Dedicated Place for HW with water and Soap	98.2	94.44	94.44	20%	18.38
Total Score						63.00



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	47.2	40.2	48.3	81.5	89.5	83.7	87.6	28.4	82.8	28.9	9.7	28.8
Poor	47.3	42.6	41.9	86.3	92.6	86.8	82.5	36	67.1	36.2	0.0	32.5
Middle	45	25	45.1	88	97.8	85.4	79.6	59.5	78.6	38.5	9.9	34.8
Rich	43.3	37.5	37.3	84.9	92.4	91.7	83.1	57.7	66.8	43.2	8.5	18.8
Richest	40.8	55	44.2	87.7	97	92.7	80.7	38	66.3	41.0	0.0	25.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	14.3	0.0	10.2	73.7	48.5	73.9	91.3	98.9	92.3	55.0	19.6	53.9
Poor	0.4	0.0	0.3	86.3	65.3	80.5	97.7	97.2	98.2	60.4	19.1	53.4
Middle	0.0	0.0	0.0	86.2	74.3	83.5	98.0	100	98.8	57.7	18.9	52.6
Rich	0.0	0.0	0.0	91.3	82.1	81.1	98.6	98.7	99.0	62.5	25.4	33.7
Richest	0.0	0.0	0.0	92.2	95.4	92.2	100.0	96.4	98.9	43.2	21.4	34.8

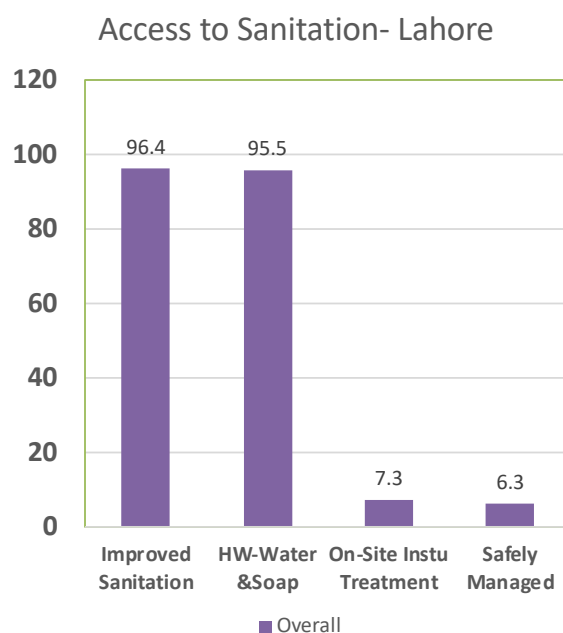
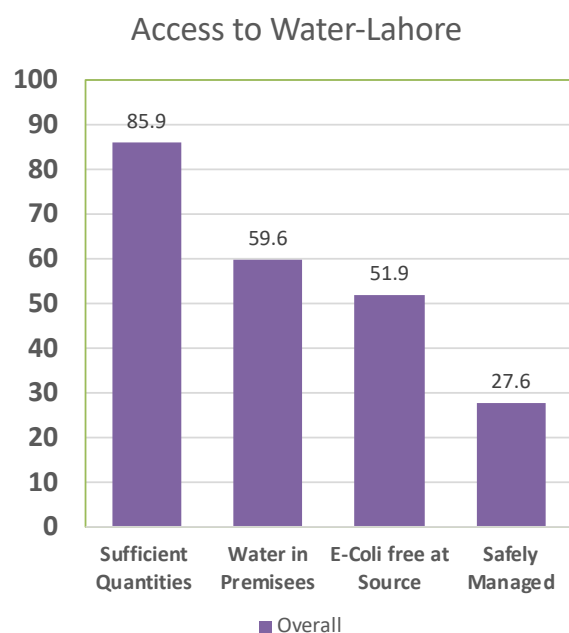
WASH Index

Lahore

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.8	97.70	41.57	40%	16.63
	Located in Premises	59.6	36.00			
	Water Available 24 Hours	85.9	31.49			
	Free from Contamination	51.8	30.31			
	Safely Managed Water	27.6	12.33			
Access to Sanitation	Improved Sanitation	96.4	96.72	46.40	40%	18.56
	Not Shared	94.3	88.89			
	Safe disposal in Situ (On site excreta treatment)	7.3	0.00			
	Safely Managed Sanitation	6.3	0.00			
Hygiene	Dedicated Place for HW with water and Soap	96.6	94.80	94.80	20%	18.96
Total Score						54.15

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	-		NA	40%	NA
	Located in Premises	-				
	Water Available 24 Hours	-				
	Free from Contamination	-				
	Safely Managed Water					
Access to Sanitation	Improved Sanitation	-		NA	40%	NA
	Not Shared	-				
	Safe disposal in Situ (On site excreta treatment)	-				
	Safely Managed Sanitation	-				
Hygiene	Dedicated Place for HW with water and Soap	-		NA	20%	NA
Total Score						0.00

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.8	98.41	52.22	40%	20.89
	Located in Premises	59.6	52.61			
	Water Available 24 Hours	85.9	42.98			
	Free from Contamination	51.8	37.16			
	Safely Managed Water	27.6	29.93			
Access to Sanitation	Improved Sanitation	96.44	90.78	46.59	40%	18.64
	Not Shared	94.3	83.82			
	Safe disposal in Situ (On site excreta treatment)	7.3	5.71			
	Safely Managed Sanitation	6.3	6.06			
Hygiene	Dedicated Place for HW with water and Soap	95.5	75.69	75.69	20%	14.73
Total Score						54.25



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	NA	71.1	71.1	NA	83.8	83.8	NA	62.3	62.3	NA	38.1	38.1
Poor	NA	63.9	63.9	NA	83	83	NA	39.5	39.5	NA	20.6	20.6
Middle	NA	60.6	60.6	NA	85.7	85.7	NA	47.5	47.5	NA	25.8	25.8
Rich	NA	54.4	54.4	NA	87	87	NA	59	59	NA	26.7	26.7
Richest	NA	48.2	48.2	NA	89.7	89.7	NA	52.2	52.2	NA	27.1	27.1

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	NA	2.6	2.6	NA	86.2	86.2	NA	90.8	90.8	NA	20.9	20.9
Poor	NA	0.0	0.0	NA	96.8	96.8	NA	95.1	95.1	NA	7.7	7.7
Middle	NA	0.0	0.0	NA	99.3	99.3	NA	95.3	95.3	NA	3.6	3.6
Rich	NA	0.0	0.0	NA	99.8	99.8	NA	97.9	97.9	NA	2.8	2.8
Richest	NA	0.0	0.0	NA	100.0	100.0	NA	98.3	98.3	NA	1.4	1.4

WASH Index

Kasur

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.5	82.76	59.62	40%	23.85
	Located in Premises	75	61.67			
	Water Available 24 Hours	89.7	52.49			
	Free from Contamination	65.2	53.25			
	Safely Managed Water	48.4	47.95			
Access to Sanitation	Improved Sanitation	76.2	52.52	50.01	40%	20.01
	Not Shared	80.7	36.78			
	Safe disposal in Situ (On site excreta treatment)	50	59.06			
	Safely Managed Sanitation	38.2	51.70			
Hygiene	Dedicated Place for HW with water and Soap	94.2	85.87	85.87	20%	17.17
Total Score						61.03

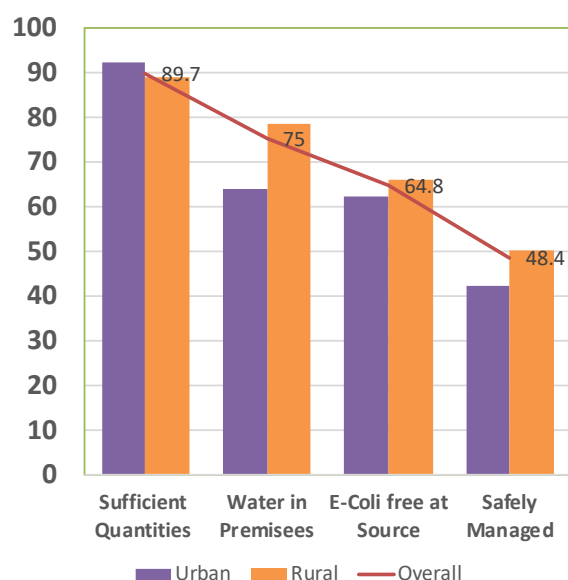
Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.1	90.11	59.64	40%	23.86
	Located in Premises	78.6	65.04			
	Water Available 24 Hours	88.8	43.35			
	Free from Contamination	66.2	54.24			
	Safely Managed Water	50.2	45.47			
Access to Sanitation	Improved Sanitation	79.1	64.51	48.45	40%	19.38
	Not Shared	78.4	33.33			
	Safe disposal in Situ (On site excreta treatment)	54	51.92			
	Safely Managed Sanitation	40.5	44.03			
Hygiene	Dedicated Place for HW with water and Soap	93.1	87.85	87.85	20%	17.52
Total Score						60.75

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	96.6	73.02	60.36	40%	24.15
	Located in Premises	64	57.94			
	Water Available 24 Hours	92.3	70.21			
	Free from Contamination	62.1	50.59			
	Safely Managed Water	42.4	50.07			
Access to Sanitation	Improved Sanitation	67.3	0.00	37.88	40%	15.15
	Not Shared	86.8	52.70			
	Safe disposal in Situ (On site excreta treatment)	37.7	51.35			
	Safely Managed Sanitation	30.9	47.47			
Hygiene	Dedicated Place for HW with water and Soap	97	86.11	86.11	20%	16.76
Total Score						56.05

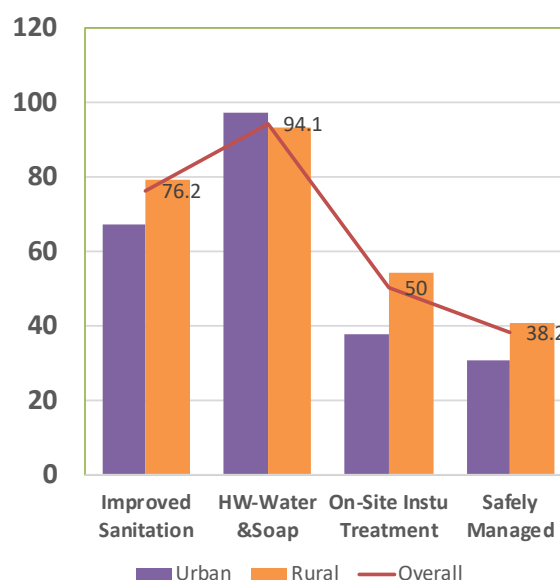
WASH Profile & Inequities

Kasur

Access to Water-Kasur



Access to Sanitation- Kasur



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	76.5	77.1	76.5	89.5	91.2	87.6	59.5	45.8	57.4	38.9	37.0	36.2
Poor	78.7	70.4	78.7	85	91	89	53	32.1	63.7	40.3	24.9	48.5
Middle	81.5	57.2	81.5	88	93.9	89.2	58.9	85.9	60.9	57.3	38.7	54.7
Rich	84.3	56.3	84.3	90.3	91.8	90.1	84.1	90.1	63.8	60.7	27.9	48.2
Richest	71.8	59.4	71.8	91.2	93.8	92.4	64.3	86.2	85.3	53.8	89.2	54.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

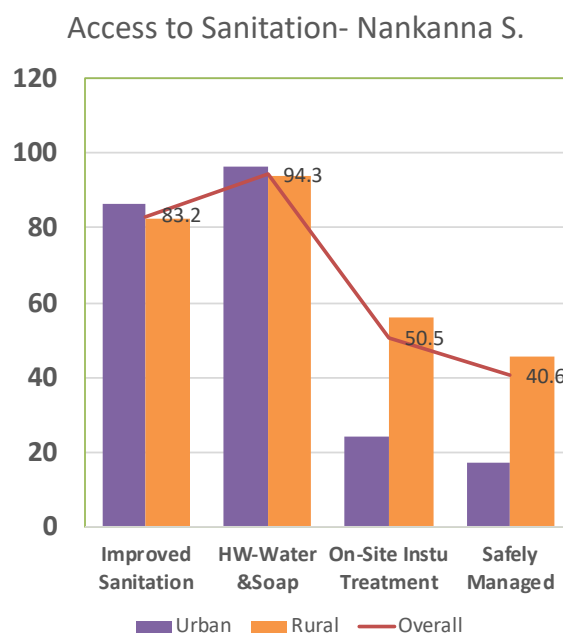
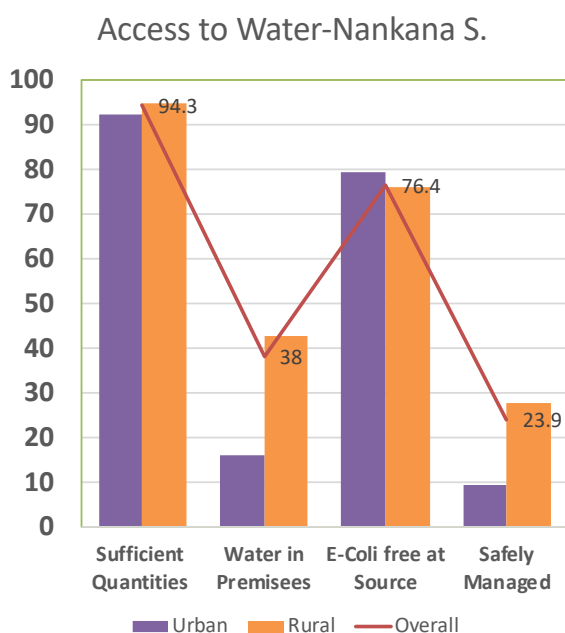
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	37	0.0	28.5	44.1	61.9	50.5	75.1	94.2	78.2	32.7	43.9	39.3
Poor	6.1	0.0	4.7	77.5	59.6	80.1	92.9	96.8	97.0	57.9	39.1	58.6
Middle	0.9	0.0	0.0	88.2	67.4	86.8	98.6	95.2	97.7	64.0	40.2	56.5
Rich	0.0	0.0	0.0	92.8	63.3	85.5	99.0	98.8	98.2	60.5	35.1	55.1
Richest	0.0	0.0	0.0	93.0	84.9	78.1	100.0	100	99.3	54.8	30.1	40.3

WASH Index**Nankanna Sahib**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	91.3	0.00	31.33	40%	12.53
	Located in Premises	38	0.00			
	Water Available 24 Hours	94.3	77.90			
	Free from Contamination	76.6	72.77			
	Safely Managed Water	23.9	5.99			
Access to Sanitation	Improved Sanitation	83.2	67.83	56.33	40%	22.53
	Not Shared	82.1	42.15			
	Safe disposal in Situ (On site excreta treatment)	50.5	59.75			
	Safely Managed Sanitation	40.6	55.59			
Hygiene	Dedicated Place for HW with water and Soap	94.3	86.25	86.25	20%	17.25
Total Score						52.31

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	92.2	14.29	41.87	40%	16.75
	Located in Premises	42.7	0.00			
	Water Available 24 Hours	94.7	77.46			
	Free from Contamination	75.9	72.14			
	Safely Managed Water	27.5	45.47			
Access to Sanitation	Improved Sanitation	82.6	71.37	56.67	40%	22.67
	Not Shared	81.9	46.01			
	Safe disposal in Situ (On site excreta treatment)	56.1	55.57			
	Safely Managed Sanitation	45.7	53.73			
Hygiene	Dedicated Place for HW with water and Soap	93.8	90.03	90.03	20%	17.95
Total Score						57.37

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	87.4	0.00	29.68	40%	11.87
	Located in Premises	16.2	0.00			
	Water Available 24 Hours	92.3	70.21			
	Free from Contamination	79.4	73.14			
	Safely Managed Water	9.3	5.03			
Access to Sanitation	Improved Sanitation	86.3	59.19	37.70	40%	15.08
	Not Shared	82.8	36.10			
	Safe disposal in Situ (On site excreta treatment)	24.2	31.08			
	Safely Managed Sanitation	17.2	24.41			
Hygiene	Dedicated Place for HW with water and Soap	96.4	81.94	81.94	20%	15.95
Total Score						42.90



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	60.3	30.1	56.2	93.3	100	94.5	73.5	86.9	75.3	42.3	28.8	40.5
Poor	55.6	7.3	52.6	96.1	91.9	96.1	72.7	100	79.4	38.2	0.0	34.2
Middle	43.7	7.9	38.7	95.5	96.3	95.8	80.3	44.3	82.4	27.3	21.0	23.8
Rich	28.3	17.9	22.1	92.6	90.3	93.7	80.6	64.3	76.5	24.5	0.0	20.6
Richest	25.8	17.9	20.6	96.1	82.7	91.3	73.8	87.5	70.8	5.6	0.0	1.1

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	55.7	3.0	47.4	37.4	85.4	45.7	80.6	90.5	83.4	31.0	38.2	35.5
Poor	8.9	0.0	6.4	85.7	84.8	89.1	94.5	94.9	94.2	62.3	24.8	59.6
Middle	1.6	0.0	1.3	96.5	90.4	94.1	94.0	98.8	94.4	66.2	36.5	63.5
Rich	0.0	0.0	0.0	97.2	84.3	95.2	100.0	97.5	99.8	65.2	21.2	55.3
Richest	0.0	0.0	0.0	96.1	86.5	91.9	100.0	100	99.6	56.0	0.0	38.3

WASH Index**Sheikhupura**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	96.4	58.62	53.11	40%	21.24
	Located in Premises	64	43.33			
	Water Available 24 Hours	89.2	49.72			
	Free from Contamination	71.7	64.38			
	Safely Managed Water	49.3	49.49			
Access to Sanitation	Improved Sanitation	95.8	95.40	63.31	40%	25.32
	Not Shared	90.6	74.71			
	Safe disposal in Situ (On site excreta treatment)	38.1	42.60			
	Safely Managed Sanitation	31.3	40.52			
Hygiene	Dedicated Place for HW with water and Soap	91.9	77.32	77.32	20%	15.46
Total Score						62.03

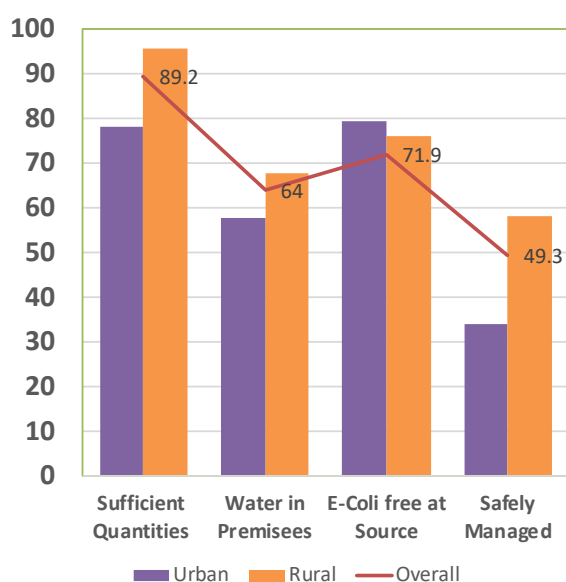
Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	96.6	62.64	61.83	40%	24.73
	Located in Premises	67.7	45.29			
	Water Available 24 Hours	95.8	83.82			
	Free from Contamination	75.8	71.96			
	Safely Managed Water	58	45.47			
Access to Sanitation	Improved Sanitation	93.6	92.94	63.11	40%	25.25
	Not Shared	89.2	72.46			
	Safe disposal in Situ (On site excreta treatment)	49	43.21			
	Safely Managed Sanitation	40.4	43.84			
Hygiene	Dedicated Place for HW with water and Soap	90.9	81.00	81.00	20%	16.15
Total Score						66.13

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	96.2	69.84	44.29	40%	17.72
	Located in Premises	57.7	50.30			
	Water Available 24 Hours	78	9.36			
	Free from Contamination	64.3	53.46			
	Safely Managed Water	33.9	38.50			
Access to Sanitation	Improved Sanitation	99.4	100.00	56.06	40%	22.43
	Not Shared	92.9	78.01			
	Safe disposal in Situ (On site excreta treatment)	19.5	24.02			
	Safely Managed Sanitation	15.9	22.22			
Hygiene	Dedicated Place for HW with water and Soap	92.8	56.94	56.94	20%	11.08
Total Score						51.22

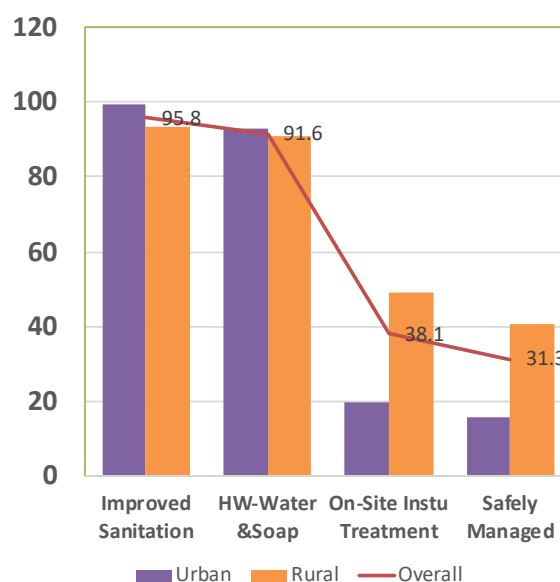
WASH Profile & Inequities

Sheikhupura

Access to Water-Sheikhupura



Access to Sanitation-Sheikhupura



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	80.5	69.1	79	97.7	81	95.4	71.8	100	70	65.6	40.9	57.0
Poor	69.5	63.3	62.6	93.2	73.4	91.6	65.4	50.6	73.3	47.5	25.9	51.1
Middle	61.9	55.2	66.2	97.5	82.7	88.6	70.5	67.1	79	46.5	64.6	57.2
Rich	69.4	49.6	58	92.5	71.6	88.1	88.9	69.5	72.5	67.4	16.5	45.9
Richest	57.2	51.2	54.1	98.2	81.4	82.3	83.2	53.6	65.4	63.1	21.8	34.9

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

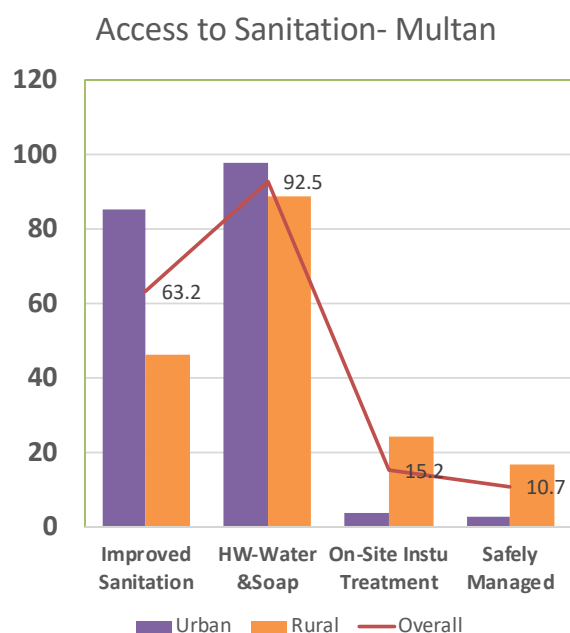
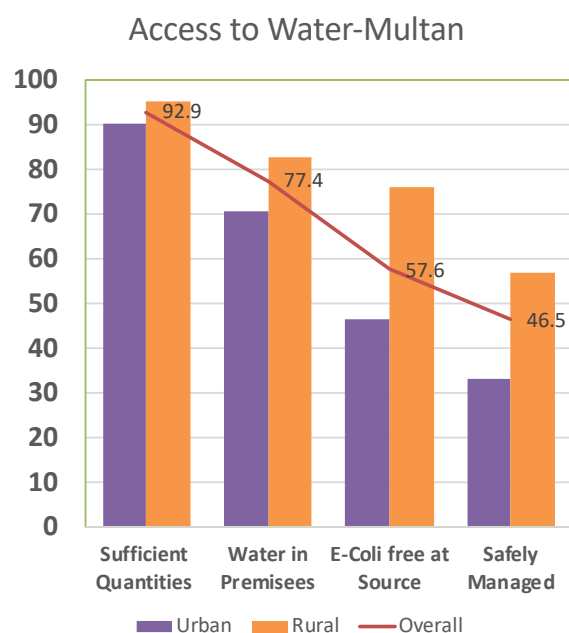
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	14.9	1.8	10.6	75.6	96.8	82.4	80.1	82.2	81.3	52.2	41.0	52.6
Poor	1.2	0.0	0.6	97.3	100.0	98.8	86.0	91.4	88.5	61.4	24.3	53.9
Middle	0.5	0.0	0.0	98.4	100.0	98.2	93.5	97	93.7	49.7	8.5	40.1
Rich	0.0	0.0	0.0	97.4	100.0	99.5	95.3	93.3	97.2	46.1	11.9	25.4
Richest	0.0	0.0	0.0	99.7	100.0	100.0	99.7	100	97.3	35.8	11.3	18.3

WASH Index**Multan**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.8	97.70	63.69	40%	25.48
	Located in Premises	77.4	65.67			
	Water Available 24 Hours	92.9	70.17			
	Free from Contamination	57.6	40.24			
	Safely Managed Water	46.5	44.69			
Access to Sanitation	Improved Sanitation	63.2	24.07	20.97	40%	8.39
	Not Shared	82	41.76			
	Safe disposal in Situ (On site excreta treatment)	15.2	10.93			
	Safely Managed Sanitation	10.7	7.13			
Hygiene	Dedicated Place for HW with water and Soap	92.5	79.55	79.55	20%	15.91
Total Score						49.78

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.90	69.87	40%	27.95
	Located in Premises	82.5	72.10			
	Water Available 24 Hours	95	79.19			
	Free from Contamination	65.9	53.69			
	Safely Managed Water	57	45.47			
Access to Sanitation	Improved Sanitation	46.2	0.00	7.70	40%	3.08
	Not Shared	77.7	30.80			
	Safe disposal in Situ (On site excreta treatment)	24.2	0.00			
	Safely Managed Sanitation	16.9	0.00			
Hygiene	Dedicated Place for HW with water and Soap	88.5	73.52	73.52	20%	14.66
Total Score						45.69

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	97.62	58.73	40%	23.49
	Located in Premises	70.8	66.18			
	Water Available 24 Hours	90.2	61.28			
	Free from Contamination	47.1	31.03			
	Safely Managed Water	33.2	37.55			
Access to Sanitation	Improved Sanitation	85.3	56.07	26.78	40%	10.71
	Not Shared	86.4	51.04			
	Safe disposal in Situ (On site excreta treatment)	3.5	0.00			
	Safely Managed Sanitation	2.7	0.00			
Hygiene	Dedicated Place for HW with water and Soap	97.7	90.97	90.97	20%	17.70
Total Score						51.91



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	83.8	80.1	82.8	92.8	93.3	94.4	52	52	53.4	48.6	46.7	47.7
Poor	86.3	88.3	79.1	95.7	86.2	94	50.3	45.2	55.7	46.8	28.9	48.2
Middle	81.6	85.9	77.8	94.5	90.2	94.4	65	35.1	81.4	47.2	26.9	71.1
Rich	75.7	84.9	62.6	96	90.8	90.3	90.2	50.4	50.6	75.7	31.5	34.3
Richest	59.6	73.3	51.8	95.9	90.4	91.4	77.1	50.3	49.3	66.7	31.8	31.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

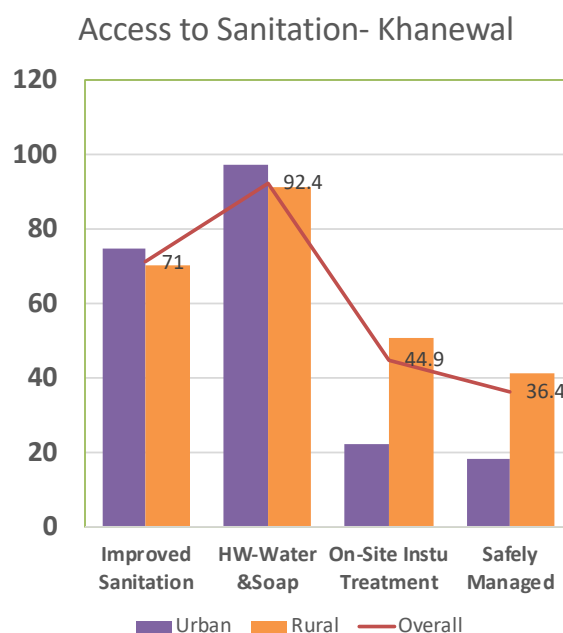
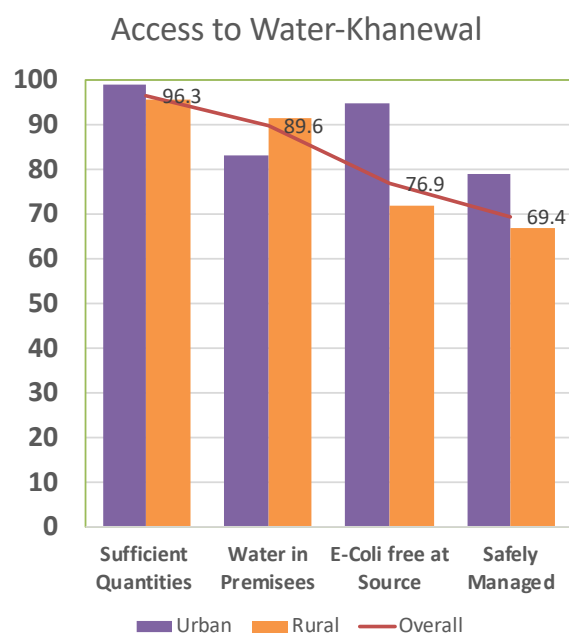
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	66.7	1.6	49.2	16.2	69.0	25.5	66.8	92.4	73.9	14.3	8.9	20.0
Poor	25.1	0.0	7.1	36.7	84.3	52.1	83.8	97.7	90.8	30.1	4.2	27.9
Middle	6.3	0.0	0.5	52.9	84.1	63.8	93.0	98.9	98.5	30.1	1.0	18.6
Rich	1.4	0.0	0.0	52.1	91.1	80.7	98.7	99.4	99.5	30.4	1.2	6.3
Richest	0.0	0.0	0.0	73.0	98.1	94.2	100.0	100	99.7	16.3	1.9	3.1

WASH Index**Khanewal**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.5	94.25	85.62	40%	34.25
	Located in Premises	89.6	86.00			
	Water Available 24 Hours	96.3	88.95			
	Free from Contamination	76.9	73.29			
	Safeely Managed Water	69.4	83.90			
Access to Sanitation	Improved Sanitation	70	38.95	48.73	40%	19.49
	Not Shared	85.5	55.17			
	Safe disposal in Situ (On site excreta treatment)	44.9	52.01			
	Safely Managed Sanitation	36.4	48.78			
Hygiene	Dedicated Place for HW with water and Soap	92.8	80.67	80.67	20%	16.13
Total Score						68.69

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.4	93.41	74.94	40%	29.98
	Located in Premises	91.4	88.22			
	Water Available 24 Hours	95.6	82.66			
	Free from Contamination	72	64.94			
	Safely Managed Water	66.8	45.47			
Access to Sanitation	Improved Sanitation	70.1	46.86	48.27	40%	19.31
	Not Shared	84.4	55.07			
	Safe disposal in Situ (On site excreta treatment)	50.7	46.17			
	Safely Managed Sanitation	41	44.96			
Hygiene	Dedicated Place for HW with water and Soap	91.2	81.93	81.93	20%	16.34
Total Score						65.62

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	94.45	40%	37.78
	Located in Premises	83	80.97			
	Water Available 24 Hours	99	98.72			
	Free from Contamination	94.6	92.96			
	Safely Managed Water	78.8	99.59			
Access to Sanitation	Improved Sanitation	74.6	22.74	35.05	40%	14.02
	Not Shared	89.2	62.66			
	Safe disposal in Situ (On site excreta treatment)	22.4	28.38			
	Safely Managed Sanitation	18.4	26.43			
Hygiene	Dedicated Place for HW with water and Soap	97.1	86.81	86.81	20%	16.89
Total Score						69.87



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	84.2	94.2	85.8	93.5	99.4	94.4	71.9	100	73.4	66.2	100.0	71.1
Poor	96.5	96.3	94.7	95.4	98.6	94	85.1	74.2	82.8	80.8	75.8	67.9
Middle	92.6	95	92.9	95.6	100	94.4	47.6	100	57.8	40.7	72.7	56.5
Rich	91.2	68.5	94.1	96.3	98	90.3	70.7	91.9	79.8	63.4	95.4	75.9
Richest	92.2	60.7	80.8	97.1	98.7	91.4	86.7	100	90.3	84.0	56.3	76.0

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	66.6	8.7	57.9	23.9	67.6	31.0	75.3	91	76.4	19.7	39.1	24.3
Poor	14.8	0.0	9.6	66.0	59.1	71.4	88.6	97.9	91.5	52.7	22.2	57.5
Middle	2.2	0.0	0.6	80.8	62.1	80.4	94.4	98	95.9	59.1	25.8	54.4
Rich	0.0	0.0	0.0	89.0	87.7	83.3	97.8	98.5	99.0	66.0	13.2	56.8
Richest	0.0	0.0	0.0	90.8	96.4	89.0	100.0	100	99.3	56.0	12.2	31.8

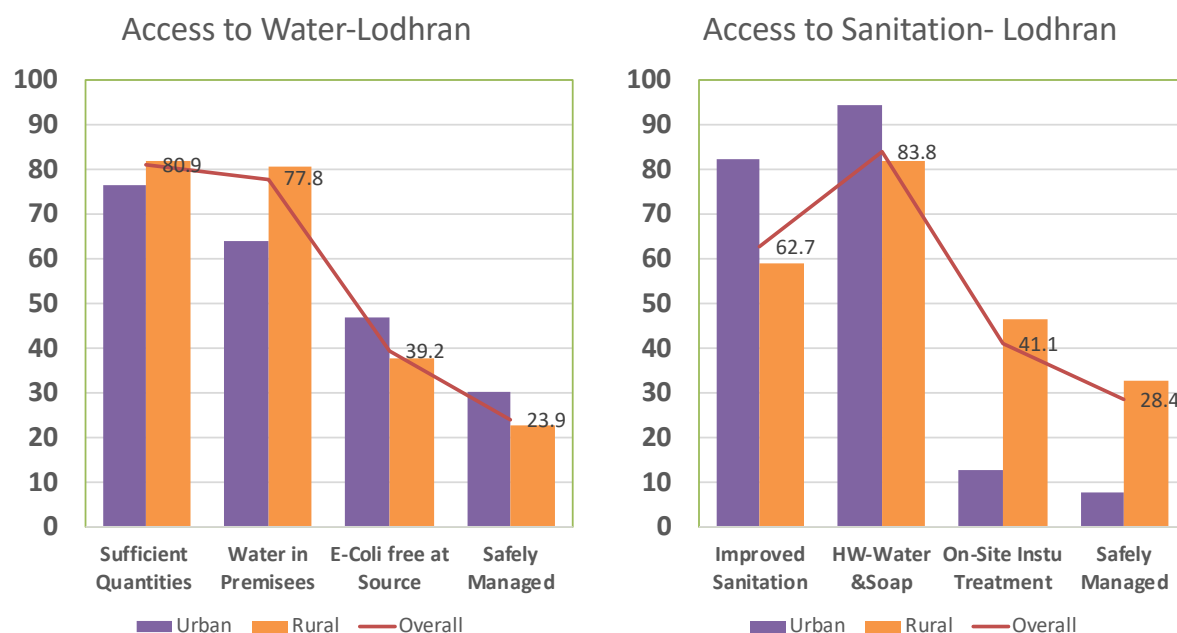
WASH Index

Lodhran

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.5	94.25	35.84	40%	14.33
	Located in Premises	77.8	66.33			
	Water Available 24 Hours	80.9	3.87			
	Free from Contamination	39.2	8.73			
	Safely Managed Water	23.9	5.99			
Access to Sanitation	Improved Sanitation	62.7	22.98	30.60	40%	12.24
	Not Shared	75.5	16.86			
	Safe disposal in Situ (On site excreta treatment)	41.1	46.75			
	Safely Managed Sanitation	28.4	35.82			
Hygiene	Dedicated Place for HW with water and Soap	83.9	47.58	47.58	20%	9.52
Total Score						36.09

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.4	93.41	42.34	40%	16.94
	Located in Premises	80.5	68.48			
	Water Available 24 Hours	81.7	2.31			
	Free from Contamination	37.9	2.03			
	Safely Managed Water	22.9	45.47			
Access to Sanitation	Improved Sanitation	58.9	24.90	29.33	40%	11.73
	Not Shared	75.9	24.28			
	Safe disposal in Situ (On site excreta treatment)	46.6	39.02			
	Safely Managed Sanitation	32.5	29.10			
Hygiene	Dedicated Place for HW with water and Soap	81.8	52.65	52.65	20%	10.50
Total Score						39.16

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	45.07	40%	18.03
	Located in Premises	63.9	57.82			
	Water Available 24 Hours	76.6	3.40			
	Free from Contamination	46.9	30.77			
	Safely Managed Water	30.1	33.33			
Access to Sanitation	Improved Sanitation	82.3	46.73	17.24	40%	6.89
	Not Shared	74.1	0.00			
	Safe disposal in Situ (On site excreta treatment)	12.8	13.96			
	Safely Managed Sanitation	7.6	8.25			
Hygiene	Dedicated Place for HW with water and Soap	94.2	66.67	66.67	20%	12.97
Total Score						37.89



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	70.8	78.1	70.4	88.1	76.4	86.8	38.4	37.9	35.6	25.7	55.0	21.9
Poor	84	62.7	84.5	86	89	84.5	23	0	31.1	12.6	0.0	26.3
Middle	82.8	64.3	85.3	78.8	79.3	80.3	40	48.6	34.3	35.2	0.0	30.6
Rich	84.9	65.7	78.5	77.4	71	78.2	33.3	100	44.1	12.1	66.6	10.8
Richest	80.1	49.1	70.5	78.1	67.2	74.5	53.9	37.8	50.6	27.4	37.8	30.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	75.3	7.9	0.0	20.3	63.4	20.7	58.1	70.7	59.6	17.6	36.0	18.4
Poor	45.8	0.0	0.0	38.8	85.2	51.6	74.1	100	77.0	35.0	3.3	42.5
Middle	10.4	0.0	0.0	74.9	88.5	74.9	88.9	100	88.2	60.2	12.9	57.6
Rich	5.9	0.0	0.0	76.7	91.0	82.2	92.0	100	94.1	71.7	12.3	54.6
Richest	0.3	0.0	0.0	83.8	83.3	84.3	95.7	100	100.0	58.4	0.0	32.3

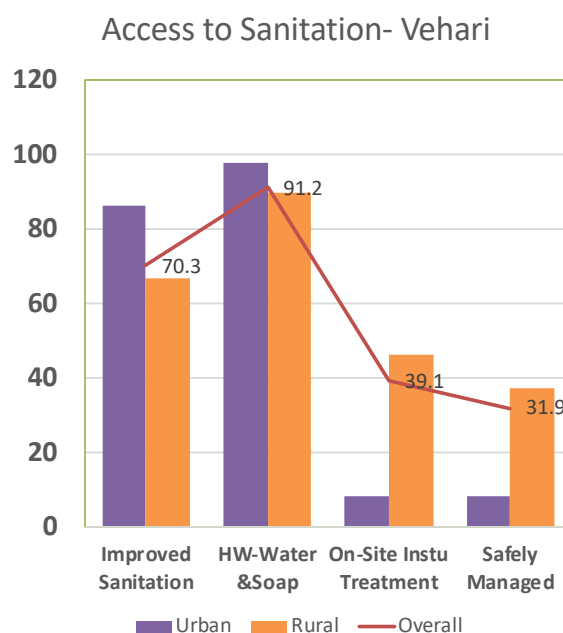
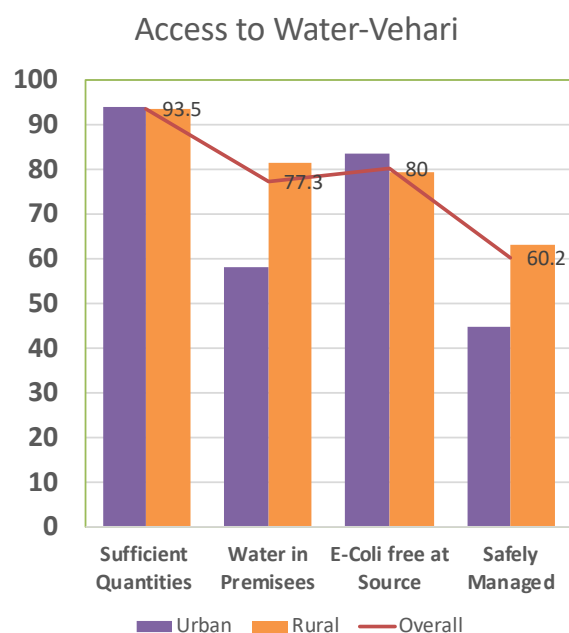
WASH Index

Vehari

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.2	90.80	75.34	40%	30.14
	Located in Premises	77.3	65.50			
	Water Available 24 Hours	93.5	73.48			
	Free from Contamination	80.1	78.77			
	Safely Managed Water	60.2	68.15			
Access to Sanitation	Improved Sanitation	70.3	39.61	47.36	40%	18.94
	Not Shared	87.9	64.37			
	Safe disposal in Situ (On site excreta treatment)	39.1	43.98			
	Safely Managed Sanitation	31.9	41.49			
Hygiene	Dedicated Place for HW with water and Soap	91.3	75.09	75.09	20%	15.02
Total Score						64.10

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.3	92.31	71.39	40%	28.56
	Located in Premises	81.6	70.47			
	Water Available 24 Hours	93.4	69.94			
	Free from Contamination	79.5	78.78			
		63.3	45.47			
Access to Sanitation	Improved Sanitation	66.7	40.20	44.18	40%	17.67
	Not Shared	85.8	60.14			
	Safe disposal in Situ (On site excreta treatment)	46.2	38.33			
	Safely Managed Sanitation	37.3	38.06			
Hygiene	Dedicated Place for HW with water and Soap	89.7	77.26	77.26	20%	15.40
Total Score						61.63

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98.6	88.89	69.68	40%	27.87
	Located in Premises	58.1	50.79			
	Water Available 24 Hours	93.9	77.02			
	Free from Contamination	83.5	78.49			
	Safely Managed Water	44.7	53.20			
Access to Sanitation	Improved Sanitation	86.1	58.57	40.63	40%	16.25
	Not Shared	95.3	87.97			
	Safe disposal in Situ (On site excreta treatment)	8.1	6.91			
	Safely Managed Sanitation	8.1	9.09			
Hygiene	Dedicated Place for HW with water and Soap	97.8	91.67	91.67	20%	17.84
Total Score						61.96



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	79.7	79	81.4	95.2	93.6	93.7	72.5	87.4	75	52.0	46.9	52.7
Poor	87.3	63.1	86.9	91	89.7	93.9	69.6	81.4	74.1	58.5	66.7	59.8
Middle	86.7	52.1	84.4	94.7	93.8	93.9	81.9	63.9	85.3	65.2	42.9	68.6
Rich	80.8	50.2	75.9	96	97.5	92.9	91.8	83.5	83.7	73.7	51.3	62.7
Richest	73.6	45.9	57.6	90	94.7	92.8	81.3	100	82.3	66.9	16.3	57.0

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

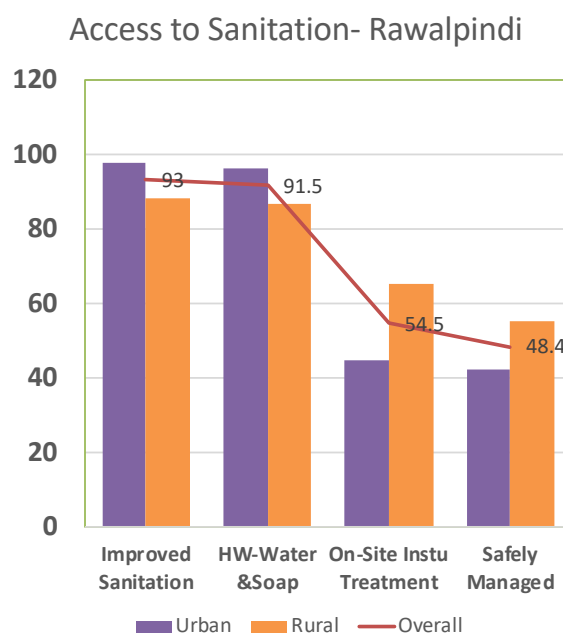
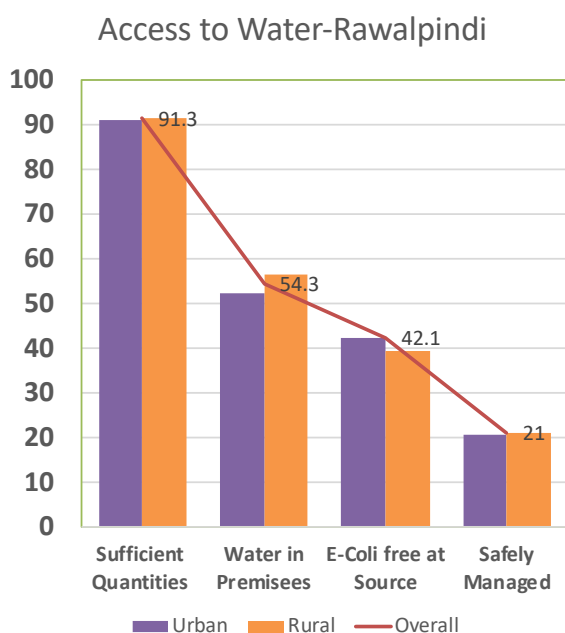
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	63	0.0	57.9	22.4	70.6	27.9	67.5	98.2	71.1	21.8	18.5	25.0
Poor	17.7	0.0	9.4	68.0	82.2	70.8	90.5	93.7	91.5	58.6	3.9	55.8
Middle	29	0.0	2.0	72.6	92.0	76.3	94.5	98.2	97.1	52.4	7.0	50.8
Rich	1.4	0.0	0.0	83.1	91.3	86.3	97.0	99	97.9	52.9	6.6	44.9
Richest	0.0	0.0	0.0	87.0	94.5	89.9	99.2	100	98.4	45.4	4.4	19.0

WASH Index**Rawalpindi**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	94.6	37.93	27.82	40%	11.13
	Located in Premises	54.3	27.17			
	Water Available 24 Hours	91.3	61.33			
	Free from Contamination	40.9	11.64			
	Safely Managed Water	21	1.03			
Access to Sanitation	Improved Sanitation	93	89.28	80.32	40%	32.13
	Not Shared	96.8	98.47			
	Safe disposal in Situ (On site excreta treatment)	54.5	65.28			
	Safely Managed Sanitation	48.4	68.23			
Hygiene	Dedicated Place for HW with water and Soap	91.9	77.32	77.32	20%	15.46
Total Score						58.72

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	91.5	6.59	27.93	40%	11.17
	Located in Premises	56.4	24.82			
	Water Available 24 Hours	91.3	57.80			
	Free from Contamination	39.5	4.98			
	Safely Managed Water	21.2	45.47			
Access to Sanitation	Improved Sanitation	88.2	82.35	79.86	40%	31.95
	Not Shared	95.3	94.57			
	Safe disposal in Situ (On site excreta treatment)	65	71.08			
	Safely Managed Sanitation	55.2	71.46			
Hygiene	Dedicated Place for HW with water and Soap	86.5	67.29	67.29	20%	13.42
Total Score						56.53

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.3	78.57	46.64	40%	18.65
	Located in Premises	52.3	43.76			
	Water Available 24 Hours	91.2	65.53			
	Free from Contamination	42.2	24.64			
	Safely Managed Water	20.8	20.68			
Access to Sanitation	Improved Sanitation	97.5	94.08	80.36	40%	32.14
	Not Shared	98	99.17			
	Safe disposal in Situ (On site excreta treatment)	44.7	61.86			
	Safely Managed Sanitation	42.1	66.33			
Hygiene	Dedicated Place for HW with water and Soap	96.1	79.86	79.86	20%	15.54
Total Score						66.34



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	38.2	45	46.9	88.4	90.1	90.4	24.2	24.3	27.1	7.1	13.5	11.3
Poor	54.7	52.8	54.8	92.5	88.6	92.5	38.5	56.9	44.4	29.4	28.3	26.5
Middle	62.1	56.6	55.4	93.6	92.9	88.9	45.6	48.7	49.9	18.4	18.0	30.8
Rich	62.8	52	58.1	90.8	94.3	93.5	45.5	34.6	42.9	37.7	19.1	17.2
Richest	64.3	55.2	56.3	91.2	90.3	91.2	38.4	39.1	39.3	13.1	25.3	19.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

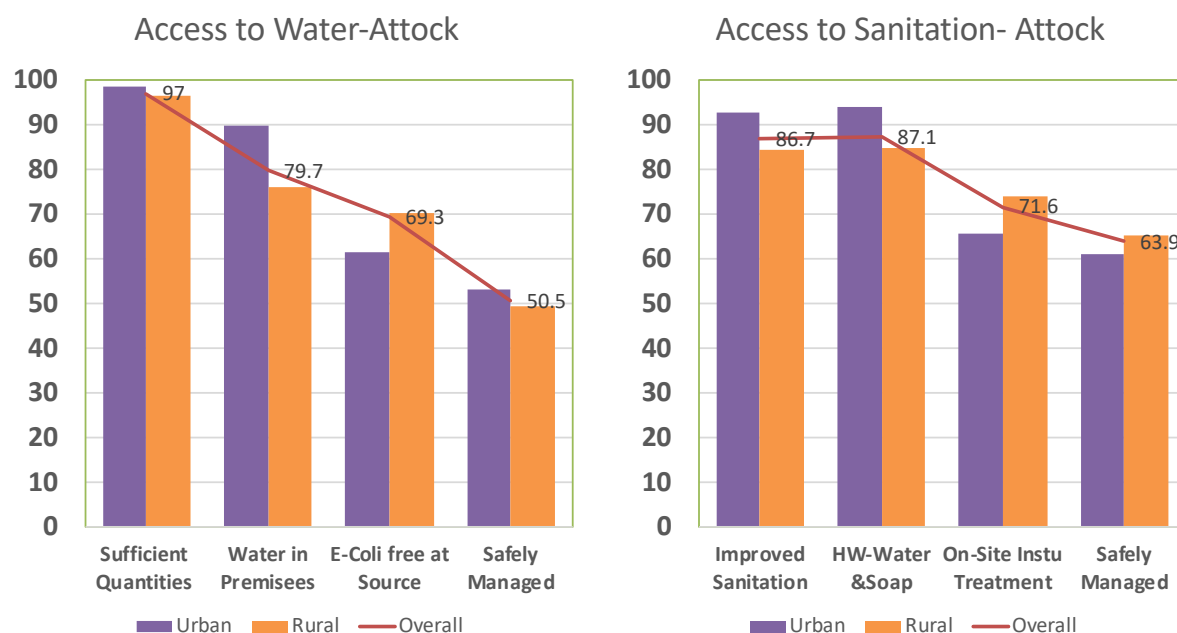
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	39.8	2.2	0.0	54.8	92.9	72.1	65.1	91.8	75.3	49.5	50.7	60.1
Poor	6.1	0.0	0.0	90.7	97.8	96.6	86.2	95.3	91.3	76.2	44.7	69.1
Middle	0.5	0.0	0.0	96.9	97.8	98.1	90.2	95	95.2	77.5	48.1	52.5
Rich	0.0	0.0	0.0	99.4	99.5	98.6	93.9	98.8	96.3	68.3	46.9	53.9
Richest	0.0	0.0	0.0	99.3	99.6	99.6	97.6	99.6	99.5	53.4	33.0	36.8

WASH Index**Attock**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	93.2	21.84	58.37	40%	23.35
	Located in Premises	79.7	69.50			
	Water Available 24 Hours	97	92.82			
	Free from Contamination	66.9	56.16			
	Safely Managed Water	50.5	51.54			
Access to Sanitation	Improved Sanitation	86.7	75.49	89.45	40%	35.78
	Not Shared	97.2	100.00			
	Safe disposal in Situ (On site excreta treatment)	71.6	88.93			
	Safely Managed Sanitation	63.9	93.35			
Hygiene	Dedicated Place for HW with water and Soap	87.9	62.45	62.45	20%	12.49
Total Score						71.62

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	90.9	0.00	50.53	40%	20.21
	Located in Premises	76.1	60.51			
	Water Available 24 Hours	96.4	87.28			
	Free from Contamination	69	59.41			
	Safely Managed Water	49.4	45.47			
Access to Sanitation	Improved Sanitation	84.5	75.10	87.81	40%	35.12
	Not Shared	96.8	100.00			
	Safe disposal in Situ (On site excreta treatment)	73.8	86.41			
	Safely Managed Sanitation	65	89.74			
Hygiene	Dedicated Place for HW with water and Soap	84.7	61.68	61.68	20%	12.30
Total Score						67.64

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	97.62	79.63	40%	31.85
	Located in Premises	89.6	88.97			
	Water Available 24 Hours	98.6	97.02			
	Free from Contamination	61.6	49.93			
	Safely Managed Water	53.1	64.63			
Access to Sanitation	Improved Sanitation	92.7	79.13	92.59	40%	37.04
	Not Shared	98.2	100.00			
	Safe disposal in Situ (On site excreta treatment)	65.5	93.09			
	Safely Managed Sanitation	61	98.15			
Hygiene	Dedicated Place for HW with water and Soap	93.8	63.89	63.89	20%	12.43
Total Score						81.32



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	54.5	81.9	57.2	92.9	96.6	93.5	57.5	42	63.8	31.3	32.0	37.9
Poor	76.6	89.5	81.7	97.5	98	96.3	80.2	84.4	84	51.5	67.1	59.6
Middle	78.7	90.8	82.5	94.8	98.4	96.6	85.9	87.8	59.2	62.0	68.1	42.6
Rich	83.7	93.5	86.1	97.8	100	98.5	48.5	54.7	76.6	43.4	70.2	62.6
Richest	87.2	92.5	90.8	99.1	100	100	66	43	53.8	59.1	30.1	49.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

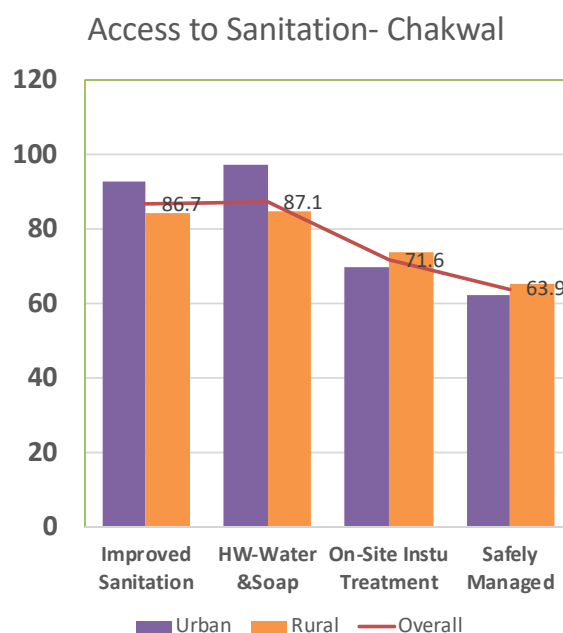
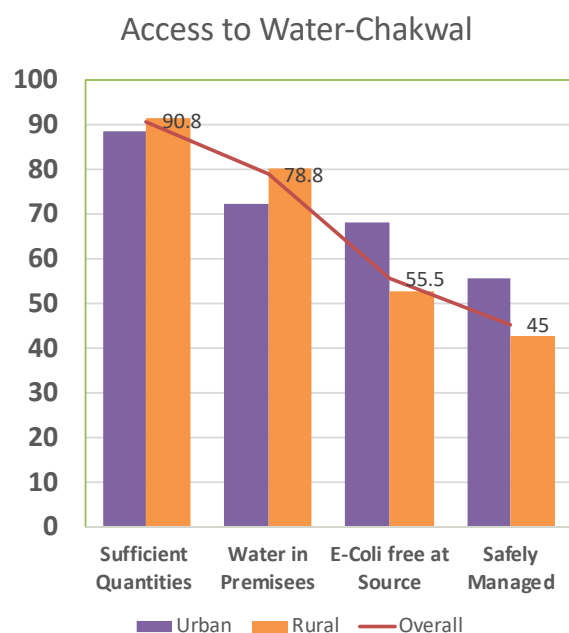
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	49	7.6	42.4	44.5	84.2	52.5	61.1	80.1	64.6	43.5	71.3	50.8
Poor	15	0.0	7.7	83.7	90.3	90.1	81.9	95	87.0	74.8	63.0	79.2
Middle	1.4	0.0	0.7	97.0	96.2	96.6	91.0	99	88.8	88.3	74.9	86.0
Rich	0.0	0.0	0.0	98.3	93.8	96.3	93.4	95	98.1	86.8	63.8	74.5
Richest	0.0	0.0	0.0	99.2	98.8	97.7	96.4	100	97.0	75.5	54.1	67.4

WASH Index**Chakwal**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	98	77.01	56.61	40%	22.64
	Located in Premises	78.8	68.00			
	Water Available 24 Hours	90.8	58.56			
	Free from Contamination	55.9	37.33			
	Safely Managed Water	45	42.12			
Access to Sanitation	Improved Sanitation	85.7	73.30	80.20	40%	32.08
	Not Shared	91.4	77.78			
	Safe disposal in Situ (On site excreta treatment)	68.5	84.65			
	Safely Managed Sanitation	58.8	85.09			
Hygiene	Dedicated Place for HW with water and Soap	90.7	72.86	72.86	20%	14.57
Total Score						69.30

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.5	72.53	54.72	40%	21.89
	Located in Premises	80.3	68.12			
	Water Available 24 Hours	91.3	57.80			
	Free from Contamination	52.9	29.70			
	Safely Managed Water	42.5	45.47			
Access to Sanitation	Improved Sanitation	84	74.12	76.93	40%	30.77
	Not Shared	91.3	80.07			
	Safe disposal in Situ (On site excreta treatment)	68.2	76.66			
	Safely Managed Sanitation	58.1	76.87			
Hygiene	Dedicated Place for HW with water and Soap	89.1	75.39	75.39	20%	15.03
Total Score						67.69

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	69.78	40%	27.91
	Located in Premises	72.1	67.76			
	Water Available 24 Hours	88.6	54.47			
	Free from Contamination	68.3	58.67			
	Safely Managed Water	55.6	68.03			
Access to Sanitation	Improved Sanitation	92.9	79.75	88.04	40%	35.22
	Not Shared	91.7	73.03			
	Safe disposal in Situ (On site excreta treatment)	69.8	99.55			
	Safely Managed Sanitation	62	99.83			
Hygiene	Dedicated Place for HW with water and Soap	97.1	86.81	86.81	20%	16.89
Total Score						80.02



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	67.2	67.3	65.4	88.9	88	88.1	29	39.1	28.7	19.5	39.1	15.6
Poor	80.5	73.2	80.1	89.3	76.6	90.1	67.1	81.6	61.9	34.1	60.1	47.2
Middle	83.3	69.7	82.2	93.6	97.9	93.9	43.9	93.3	49.5	41.5	79.2	41.9
Rich	83.6	68.4	85.4	91.5	87	88.6	60.4	68.4	73.4	58.1	37.9	61.9
Richest	87	81.7	80.9	93.3	93.2	93.5	79	53.6	74.9	59.0	61.2	58.6

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	46.8	9.9	42.0	49.1	81.5	53.6	71.0	89.6	73.4	43.2	69.9	45.9
Poor	13.2	0.0	9.6	83.3	97.8	87.4	89.0	97.7	89.4	68.8	68.8	72.6
Middle	3.7	0.0	4.2	95.5	96.4	93.3	92.9	98.3	94.4	77.5	73.4	76.7
Rich	3.1	0.0	1.1	93.6	89.0	97.2	95.9	100	97.3	75.9	64.4	74.8
Richest	0.5	0.0	0.0	98.8	100.0	96.7	97.0	100	98.4	75.6	72.7	72.4

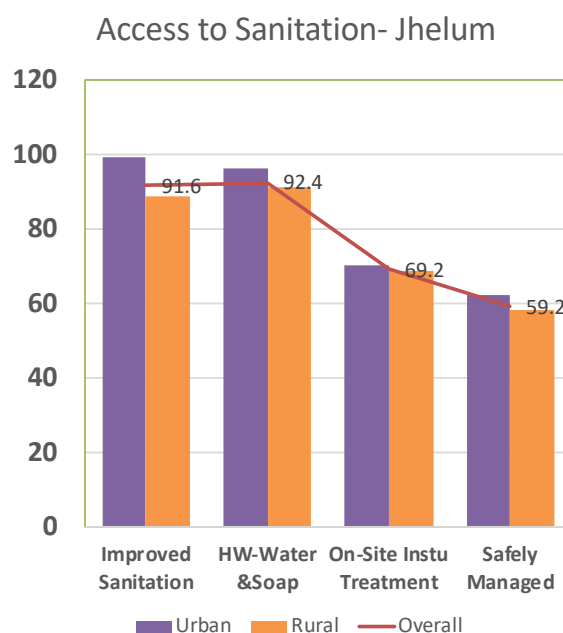
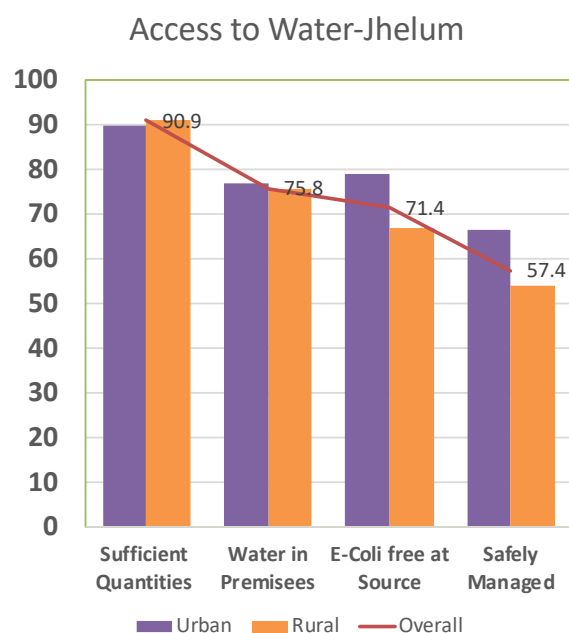
WASH Index

Jhelum

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	94.2	33.33	56.09	40%	22.44
	Located in Premises	75.8	63.00			
	Water Available 24 Hours	90.9	59.12			
	Free from Contamination	70.1	61.64			
	Safely Managed Water	57.4	63.36			
Access to Sanitation	Improved Sanitation	91.6	86.21	84.32	40%	33.73
	Not Shared	91.9	79.69			
	Safe disposal in Situ (On site excreta treatment)	69.2	85.62			
	Safely Managed Sanitation	59.2	85.74			
Hygiene	Dedicated Place for HW with water and Soap	94.1	85.50	85.50	20%	17.10
Total Score						73.26

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	93.9	32.97	50.09	40%	20.03
	Located in Premises	75.5	59.42			
	Water Available 24 Hours	91.2	57.23			
	Free from Contamination	66.8	55.35			
	Safely Managed Water	54	45.47			
Access to Sanitation	Improved Sanitation	88.7	83.33	79.54	40%	31.82
	Not Shared	91.3	80.07			
	Safe disposal in Situ (On site excreta treatment)	68.8	77.70			
	Safely Managed Sanitation	58.2	77.05			
Hygiene	Dedicated Place for HW with water and Soap	91	81.31	81.31	20%	16.21
Total Score						68.06

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	95.2	61.90	70.17	40%	28.07
	Located in Premises	76.7	73.33			
	Water Available 24 Hours	89.9	60.00			
	Free from Contamination	79.1	72.75			
	Safely Managed Water	66.5	82.86			
Access to Sanitation	Improved Sanitation	99.4	100.00	94.92	40%	37.97
	Not Shared	93.3	79.67			
	Safe disposal in Situ (On site excreta treatment)	70.1	100.00			
	Safely Managed Sanitation	62.1	100.00			
Hygiene	Dedicated Place for HW with water and Soap	96.2	80.56	80.56	20%	15.68
Total Score						81.71



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	64.2	71.5	63.6	89.4	79	87.5	48.2	77.9	48.1	30.5	69.0	25.5
Poor	63.2	74	68.7	85.7	83.5	88.9	57.2	100	57.9	21.8	49.7	36.0
Middle	78.7	83.8	82	95.4	94.1	90.6	54.8	100	69.5	42.6	79.0	64.3
Rich	86.8	77.8	84.7	91.6	93.4	92.2	72.9	57.2	86.1	81.7	32.7	79.4
Richest	84.4	76.7	80	94.1	100	95.2	92.1	100	83.2	93.6	100.0	80.9

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	41.5	0.8	34.2	55.9	97.2	62.5	79.6	90.1	80.0	51.9	81.5	57.2
Poor	9.3	0.0	3.9	89.7	100.0	96.1	87.7	97.3	90.2	75.7	80.3	82.3
Middle	1.1	0.0	0.0	98.9	100.0	99.3	94.4	96.7	96.5	82.8	82.8	78.4
Rich	0.0	0.0	0.0	99.1	100.0	100.0	94.7	97.1	96.6	74.9	62.6	71.4
Richest	0.0	0.0	0.0	100.0	100.0	100.0	98.8	100	98.9	58.9	43.6	56.5

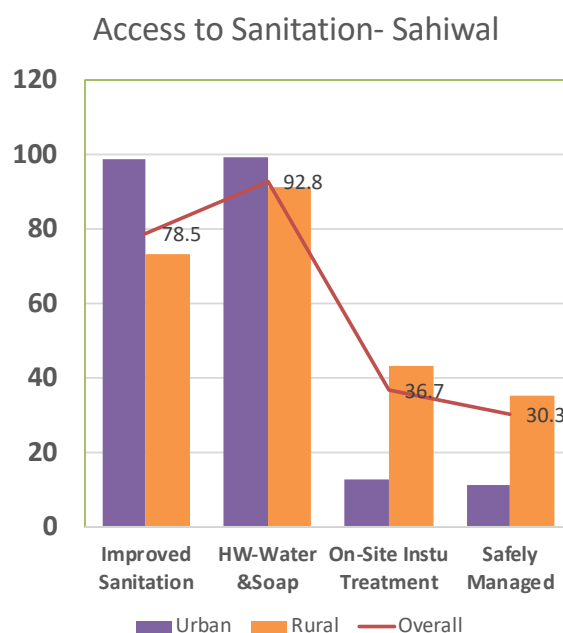
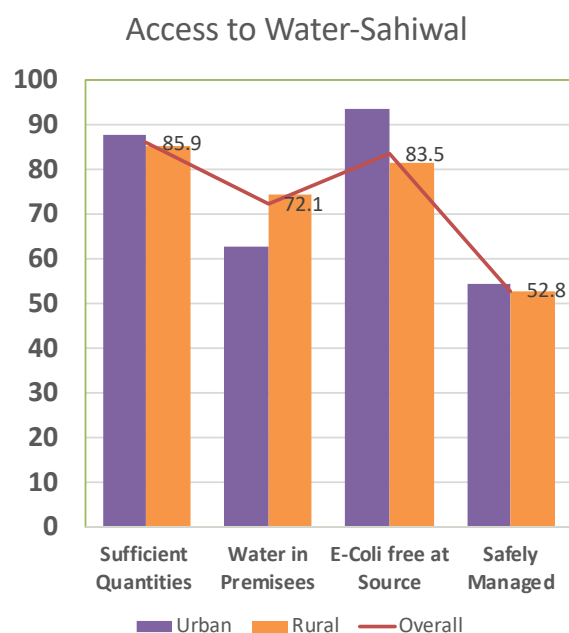
WASH Index

Sahiwal

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	65.68	40%	26.27
	Located in Premises	72.1	56.83			
	Water Available 24 Hours	85.9	31.49			
	Free from Contamination	83.5	84.59			
	Safely Managed Water	52.8	55.48			
Access to Sanitation	Improved Sanitation	78.5	57.55	49.60	40%	19.84
	Not Shared	87.1	61.30			
	Safe disposal in Situ (On site excreta treatment)	36.7	40.66			
	Safely Managed Sanitation	30.3	38.90			
Hygiene	Dedicated Place for HW with water and Soap	92.9	81.04	81.04	20%	16.21
Total Score						62.32

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	61.74	40%	24.70
	Located in Premises	74.4	57.43			
	Water Available 24 Hours	85.4	23.70			
	Free from Contamination	81.3	82.10			
	Safely Managed Water	52.6	45.47			
Access to Sanitation	Improved Sanitation	73.2	52.94	44.90	40%	17.96
	Not Shared	85.7	59.78			
	Safe disposal in Situ (On site excreta treatment)	43	32.75			
	Safely Managed Sanitation	35.2	34.14			
Hygiene	Dedicated Place for HW with water and Soap	91.1	81.62	81.62	20%	16.27
Total Score						58.93

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	73.12	40%	29.25
	Located in Premises	62.9	56.61			
	Water Available 24 Hours	87.8	51.06			
	Free from Contamination	93.7	91.79			
	Safely Managed Water	54.2	66.12			
Access to Sanitation	Improved Sanitation	98.7	97.82	49.65	40%	19.86
	Not Shared	91.6	72.61			
	Safe disposal in Situ (On site excreta treatment)	12.5	13.51			
	Safely Managed Sanitation	11.4	14.65			
Hygiene	Dedicated Place for HW with water and Soap	99	100.00	100.00	20%	19.46
Total Score						68.57



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	72.6	91.9	75.3	90.1	93	90.3	79.9	100	80.3	48.7	60.9	50.5
Poor	85.2	67.6	87.1	85	83	85.3	82.2	100	75.9	53.4	49.0	50.3
Middle	80.5	59.1	77.1	84	87.6	84.4	82.7	86.7	83.1	53.3	85.0	59.7
Rich	73.4	58.2	67.8	85.1	86.3	83.2	69.6	100	89.1	48.4	36.7	45.2
Richest	60.5	37.7	53.1	82.6	88.9	86.1	92.1	78.9	92.4	59.2	37.1	58.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	68	2.2	57.9	22.2	97.8	31.2	68.5	100	72.6	17.6	39.0	23.9
Poor	9.2	0.0	4.4	73.1	98.2	79.0	93.7	95.2	95.7	58.3	9.5	59.9
Middle	1.4	0.0	0.5	83.4	100.0	90.5	96.1	100	96.9	54.9	2.3	53.9
Rich	0.0	0.0	0.0	93.6	97.4	94.2	98.0	100	98.5	52.5	2.7	34.3
Richest	0.0	0.0	0.0	93.8	100.0	97.5	99.4	100	100.0	31.3	8.7	11.4

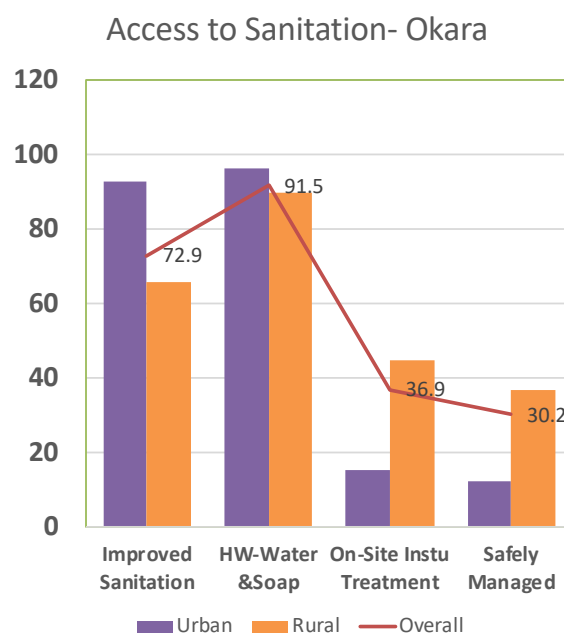
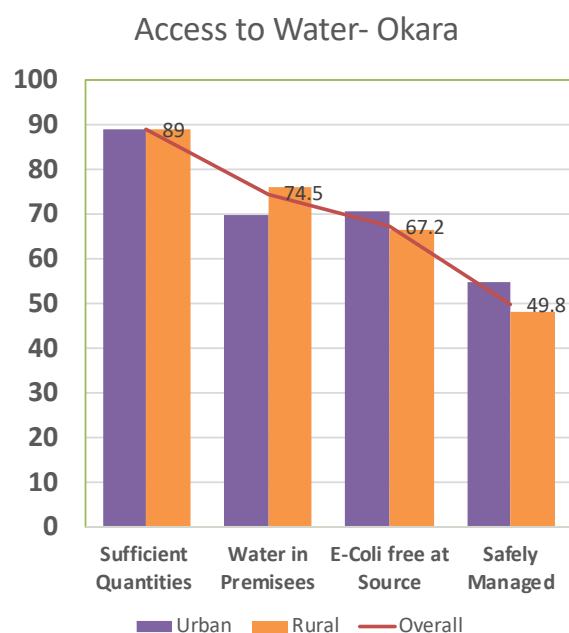
WASH Index

Okara

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.6	95.40	62.44	40%	24.98
	Located in Premises	74.5	60.83			
	Water Available 24 Hours	89	48.62			
	Free from Contamination	67.4	57.02			
	Safely Managed Water	49.8	50.34			
Access to Sanitation	Improved Sanitation	72.9	45.30	45.04	40%	18.01
	Not Shared	85.5	55.17			
	Safe disposal in Situ (On site excreta treatment)	36.9	40.94			
	Safely Managed Sanitation	30.2	38.74			
Hygiene	Dedicated Place for HW with water and Soap	92.2	78.44	78.44	20%	15.69
Total Score						58.68

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.5	94.51	59.92	40%	23.97
	Located in Premises	76.2	60.69			
	Water Available 24 Hours	89	44.51			
	Free from Contamination	66.3	54.43			
	Safely Managed Water	48	45.47			
Access to Sanitation	Improved Sanitation	65.6	38.04	40.13	40%	16.05
	Not Shared	82.8	49.28			
	Safe disposal in Situ (On site excreta treatment)	44.9	36.06			
	Safely Managed Sanitation	36.8	37.13			
Hygiene	Dedicated Place for HW with water and Soap	89.8	77.57	77.57	20%	15.47
Total Score						55.48

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	69.85	40%	27.94
	Located in Premises	69.6	64.73			
	Water Available 24 Hours	89	56.17			
	Free from Contamination	70.5	61.54			
	Safely Managed Water	54.7	66.80			
Access to Sanitation	Improved Sanitation	92.9	79.75	46.42	40%	18.57
	Not Shared	91.5	72.20			
	Safe disposal in Situ (On site excreta treatment)	15.3	17.72			
	Safely Managed Sanitation	12.2	15.99			
Hygiene	Dedicated Place for HW with water and Soap	96.2	80.56	80.56	20%	15.68
Total Score						62.18



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	74.4	82.7	76.8	91.3	91.6	93	58.7	67.5	57.8	49.8	53.3	55.0
Poor	80	90.2	81.2	92.9	89.3	90.3	71.4	59.9	66.6	60.8	71.9	50.4
Middle	79.3	73.8	80.1	88.2	86.5	85.5	65.9	100	78.4	51.2	51.1	48.6
Rich	79.5	55.9	72.7	81.8	90.7	88	65.8	61.2	63	33.6	39.3	42.5
Richest	68	45.5	61.5	90.9	86.7	88.2	68.4	81.1	69.9	44.9	59.3	52.2

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	75.6	6.7	62.8	14.4	68.9	22.3	67.8	89.5	71.1	9.7	18.2	14.6
Poor	21.1	0.0	11.4	56.1	96.5	69.9	89.3	99	91.9	40.7	32.3	50.2
Middle	4.5	0.0	2.1	82.2	100.0	81.7	94.2	98.5	98.0	64.2	12.0	51.6
Rich	0.5	0.0	0.0	84.5	100.0	91.5	99.4	96.6	99.6	55.7	8.8	47.1
Richest	0.0	0.0	0.0	91.0	99.3	99.2	98.5	97.2	97.0	54.2	5.0	21.0

WASH Index

Pakpattan

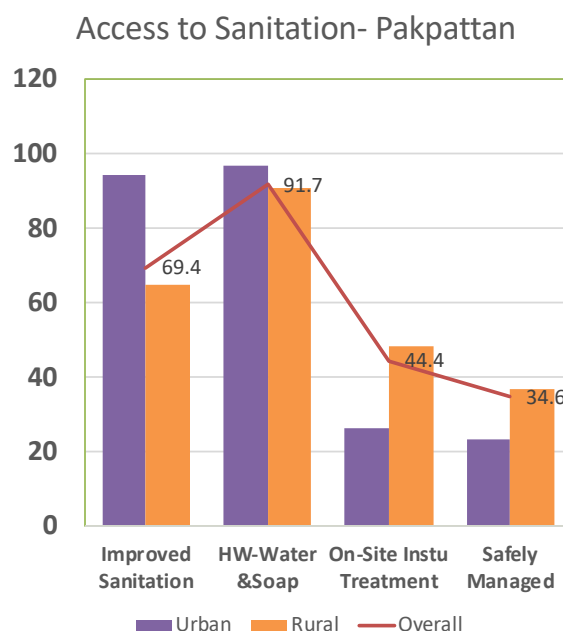
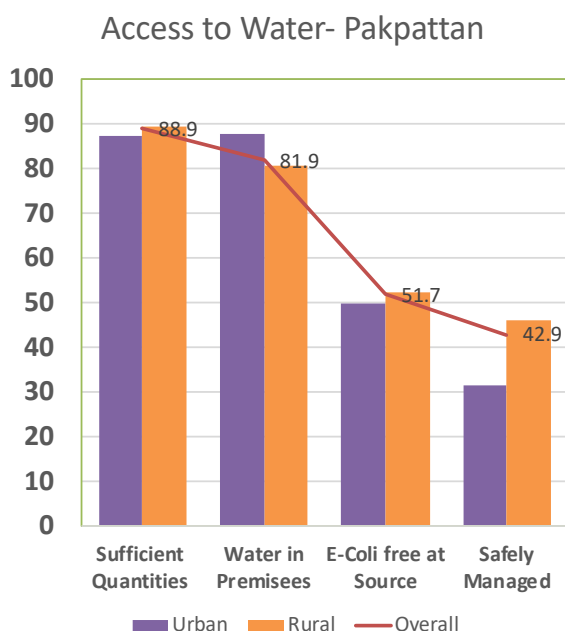
Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.55	57.29	40%	22.92
	Located in Premises	81.9	73.17			
	Water Available 24 Hours	88.9	48.07			
	Free from Contamination	51.7	30.14			
	Safely Managed Water	42.9	38.53			
Access to Sanitation	Improved Sanitation	69.4	37.64	46.25	40%	18.50
	Not Shared	84.2	50.19			
	Safe disposal in Situ (On site excreta treatment)	44.4	51.31			
	Safely Managed Sanitation	34.6	45.87			
Hygiene	Dedicated Place for HW with water and Soap	91.9	77.32	77.32	20%	15.46
Total Score						56.88

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.6	95.60	56.84	40%	22.73
	Located in Premises	80.7	68.84			
	Water Available 24 Hours	89.2	45.66			
	Free from Contamination	52.3	28.60			
	Safely Managed Water	46.2	45.47			
Access to Sanitation	Improved Sanitation	64.6	36.08	40.99	40%	16.39
	Not Shared	82.8	49.28			
	Safe disposal in Situ (On site excreta treatment)	48	41.46			
	Safely Managed Sanitation	36.8	37.13			
Hygiene	Dedicated Place for HW with water and Soap	90.7	80.37	80.37	20%	16.02
Total Score						55.20
Total Score						55.15

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	60.88	40%	24.35
	Located in Premises	87.9	86.91			
	Water Available 24 Hours	87.1	48.09			
	Free from Contamination	49.7	34.42			
	Safely Managed Water	31.3	34.97			
Access to Sanitation	Improved Sanitation	94.2	83.80	54.34	40%	21.74
	Not Shared	89.8	65.15			
	Safe disposal in Situ (On site excreta treatment)	26.2	34.08			
	Safely Managed Sanitation	23.1	34.34			
Hygiene	Dedicated Place for HW with water and Soap	96.8	84.72	84.72	20%	16.49
Total Score						62.57

WASH Profile & Inequities

Pakpattan



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	63.2	93	64.8	86	65.5	83.2	43.3	35.7	39.8	23.8	36.4	20.8
Poor	81.5	89.3	86.1	87.4	83.5	88.9	22.5	100	35.6	16.7	21.9	30.6
Middle	86.1	93.7	88.2	92.7	92.2	90.2	59.9	66	69	62.7	22.3	69.0
Rich	90.4	93.1	87.4	88.1	100	87.3	67.4	27.2	68.9	59.9	100.0	51.9
Richest	82.5	70.7	83	92	94.6	94.8	67.1	100	49.1	67.1	26.6	42.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

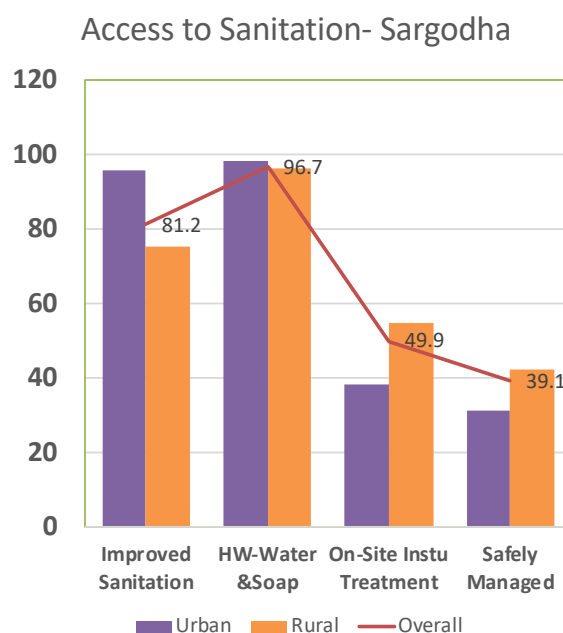
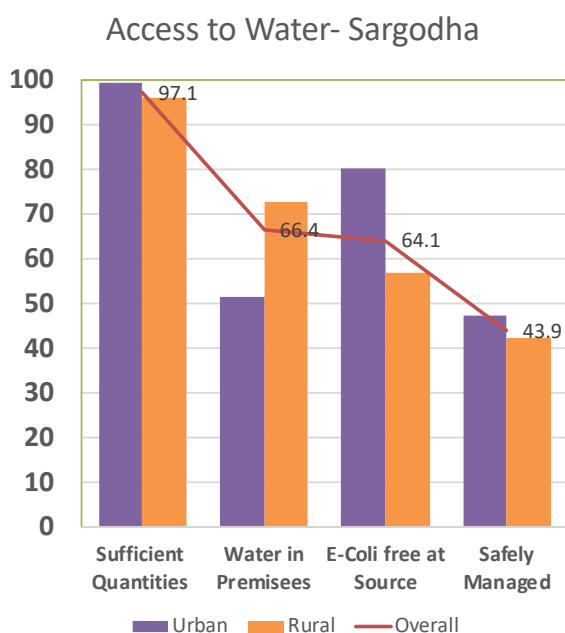
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	73.6	8.5	66.8	19.9	78.1	25.9	70.5	95.8	72.7	18.9	29.0	22.1
Poor	25.7	0.0	19.0	56.3	93.3	63.4	89.1	95.4	93.0	52.1	47.8	55.2
Middle	4.9	0.0	4.8	74.6	100.0	74.8	96.8	100	95.4	60.4	33.8	55.5
Rich	2.2	0.0	0.0	80.7	100.0	89.6	97.3	92.8	98.6	55.3	20.6	59.6
Richest	0.0	0.0	0.0	91.4	100.0	93.4	100.0	100	98.9	53.4	0.0	29.7

WASH Index**Sargodha**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.7	96.55	64.75	40%	25.90
	Located in Premises	66.4	47.33			
	Water Available 24 Hours	97.1	93.37			
	Free from Contamination	61.1	46.23			
	Safely Managed Water	43.9	40.24			
Access to Sanitation	Improved Sanitation	81.2	63.46	53.18	40%	21.27
	Not Shared	80.8	37.16			
	Safe disposal in Situ (On site excreta treatment)	49.9	58.92			
	Safely Managed Sanitation	39.1	53.16			
Hygiene	Dedicated Place for HW with water and Soap	96.8	95.54	95.54	20%	19.11
Total Score						66.28

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.90	64.39	40%	25.75
	Located in Premises	72.6	54.17			
	Water Available 24 Hours	96.2	86.13			
	Free from Contamination	57	37.27			
	Safely Managed Water	42.3	45.47			
Access to Sanitation	Improved Sanitation	75.2	56.86	47.36	40%	18.94
	Not Shared	78.1	32.25			
	Safe disposal in Situ (On site excreta treatment)	54.7	53.14			
	Safely Managed Sanitation	42.2	47.20			
Hygiene	Dedicated Place for HW with water and Soap	96.1	97.20	97.20	20%	19.38
Total Score						64.08

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.1	92.86	73.29	40%	29.32
	Located in Premises	51.3	42.55			
	Water Available 24 Hours	99.3	100.00			
	Free from Contamination	80.2	74.19			
	Safely Managed Water	47.4	56.87			
Access to Sanitation	Improved Sanitation	95.9	89.10	59.44	40%	23.78
	Not Shared	85.8	48.55			
	Safe disposal in Situ (On site excreta treatment)	38	51.80			
	Safely Managed Sanitation	31.4	48.32			
Hygiene	Dedicated Place for HW with water and Soap	98.4	95.83	95.83	20%	18.65
Total Score						71.74



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	86.2	63.6	82.6	96.6	100	97.6	56.2	64.9	54.9	42.3	50.7	40.2
Poor	76.5	52.1	75.6	100	97.5	98.8	52.6	94.1	52.8	49.9	65.4	46.6
Middle	73.3	56.7	67.1	96	100	97.5	52	72.3	66.8	36.6	43.2	46.7
Rich	67.9	49.4	60.2	96.7	100	95.1	59.8	72.3	74.2	39.8	61.2	40.5
Richest	59.2	34.6	46.8	91.7	98.9	96.4	65.7	79.6	70.7	42.8	18.0	45.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

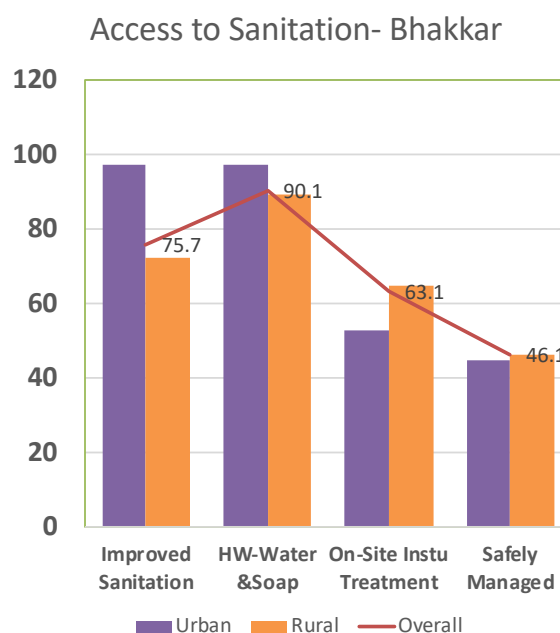
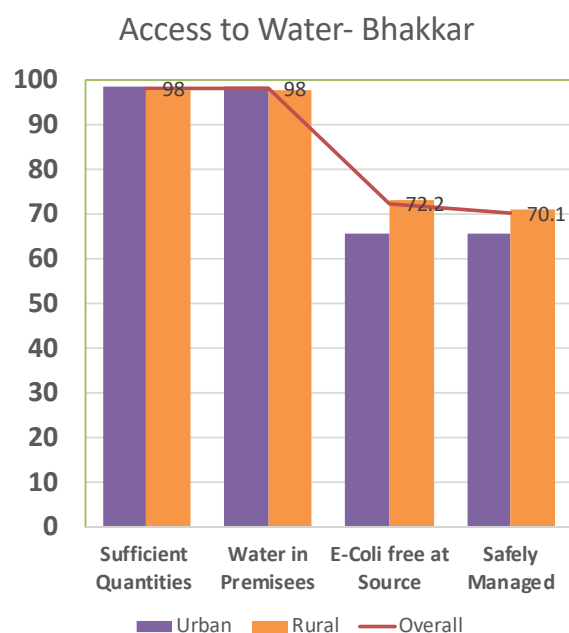
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	71.6	7.5	60.1	25.5	91.6	37.5	89.1	97.6	90.5	20.2	48.2	30.7
Poor	31.9	0.0	19.7	67.3	97.2	78.8	95.6	100	96.1	55.1	54.6	54.6
Middle	11.7	0.0	6.2	87.1	96.6	93.5	97.1	99.3	99.8	66.1	30.6	64.0
Rich	2.7	0.0	0.0	97.3	96.0	98.2	99.7	100	99.1	68.1	33.9	60.2
Richest	0.3	0.0	0.2	98.7	98.4	97.8	99.0	95	98.3	63.9	22.9	39.8

WASH Index**Bhakkar**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.85	89.51	40%	35.80
	Located in Premises	98	100.00			
	Water Available 24 Hours	98	98.34			
	Free from Contamination	72.2	65.24			
	Safely Managed Water	70.1	85.10			
Access to Sanitation	Improved Sanitation	75.7	51.42	54.69	40%	21.88
	Not Shared	77.8	25.67			
	Safe disposal in Situ (On site excreta treatment)	63.1	77.18			
	Safely Managed Sanitation	46.1	64.51			
Hygiene	Dedicated Place for HW with water and Soap	90.1	70.63	70.63	20%	14.13
Total Score						71.81

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.9	98.90	81.53	40%	32.61
	Located in Premises	97.9	100.00			
	Water Available 24 Hours	97.9	95.95			
	Free from Contamination	73.3	67.34			
	Safely Managed Water	70.9	45.47			
Access to Sanitation	Improved Sanitation	72.2	50.98	50.57	40%	20.23
	Not Shared	76.3	25.72			
	Safe disposal in Situ (On site excreta treatment)	64.8	70.73			
	Safely Managed Sanitation	46.3	54.85			
Hygiene	Dedicated Place for HW with water and Soap	89	75.08	75.08	20%	14.97
Total Score						67.81

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	100	100.00	86.87	40%	34.75
	Located in Premises	98.7	100.00			
	Water Available 24 Hours	98.6	97.02			
	Free from Contamination	65.8	55.41			
	Safely Managed Water	65.8	81.90			
Access to Sanitation	Improved Sanitation	97.3	93.46	70.66	40%	28.26
	Not Shared	84.8	44.40			
	Safe disposal in Situ (On site excreta treatment)	52.6	73.72			
	Safely Managed Sanitation	44.9	71.04			
Hygiene	Dedicated Place for HW with water and Soap	97.1	86.81	86.81	20%	16.89
Total Score						79.90



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	96.8	95.5	96.3	97	100	97.1	72.9	68.6	70.9	66.4	78.5	67.1
Poor	96.2	98.4	96.1	96.3	100	96.2	65.9	100	69.1	65.6	75.5	65.8
Middle	98.2	99.5	98.7	98	95.9	99.2	92.5	100	81.2	87.7	76.9	79.2
Rich	99.1	100	98.9	98.6	97.1	98.2	70.1	22.7	80.9	68.2	0.0	78.2
Richest	99	100	99.9	99.6	100	99.2	68.7	78.2	57.5	67.0	78.2	60.3

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	76	7.5	70.7	23.7	88.0	27.8	77.7	86.9	78.2	23.7	70.4	26.6
Poor	36.9	1.6	30.5	60.9	98.4	67.5	83.5	98.4	83.1	58.2	62.3	62.3
Middle	14.5	0.0	10.3	82.3	100.0	87.1	91.5	100	94.8	73.6	49.2	78.5
Rich	3.4	0.0	2.0	95.2	100.0	96.9	94.3	100	95.0	56.4	44.4	82.4
Richest	0.2	0.0	0.0	98.6	100.0	99.5	97.9	100	99.5	82.0	37.3	65.5

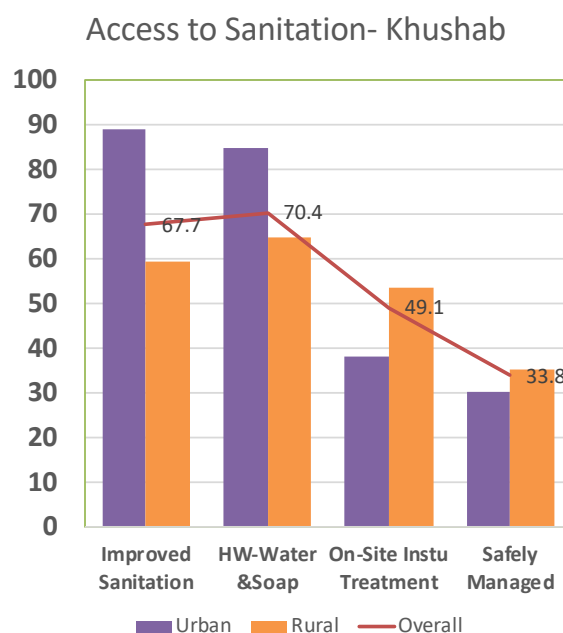
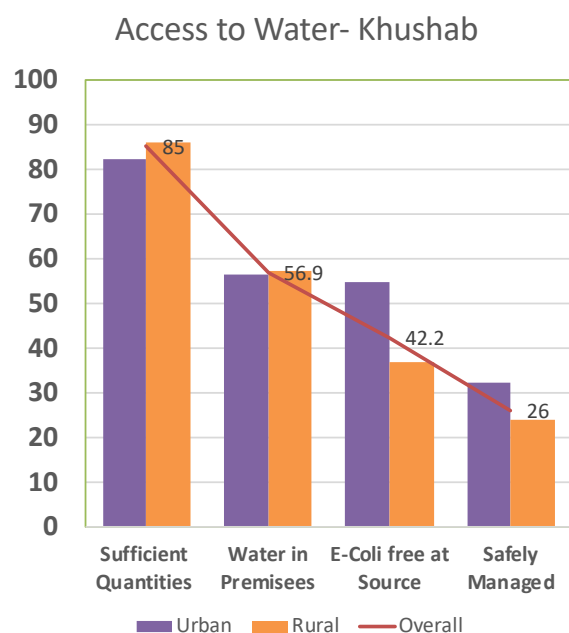
WASH Index

Khushab

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	94.7	39.08	23.84	40%	9.54
	Located in Premises	56.9	31.50			
	Water Available 24 Hours	85	26.52			
	Free from Contamination	41.4	12.50			
	Safely Managed Water	26	9.59			
Access to Sanitation	Improved Sanitation	67.7	33.92	48.06	40%	19.22
	Not Shared	85.7	55.94			
	Safe disposal in Situ (On site excreta treatment)	49.1	57.81			
	Safely Managed Sanitation	33.8	44.57			
Hygiene	Dedicated Place for HW with water and Soap	71.1	0.00	0.00	20%	0.00
Total Score						28.76

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	92.8	20.88	24.07	40%	9.63
	Located in Premises	57.2	26.27			
	Water Available 24 Hours	86.1	27.75			
	Free from Contamination	36.8	0.00			
	Safely Managed Water	23.8	45.47			
Access to Sanitation	Improved Sanitation	59.5	26.08	41.31	40%	16.53
	Not Shared	84.2	54.35			
	Safe disposal in Situ (On site excreta treatment)	53.4	50.87			
	Safely Managed Sanitation	35.1	33.96			
Hygiene	Dedicated Place for HW with water and Soap	64.9	0.00	0.00	20%	0.00
Total Score						26.15

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.5	96.03	48.95	40%	19.58
	Located in Premises	56.3	48.61			
	Water Available 24 Hours	82.1	26.81			
	Free from Contamination	54.7	40.94			
	Safely Managed Water	29.4	32.38			
Access to Sanitation	Improved Sanitation	88.8	66.98	55.98	40%	22.39
	Not Shared	88.2	58.51			
	Safe disposal in Situ (On site excreta treatment)	38	51.80			
	Safely Managed Sanitation	30.4	46.63			
Hygiene	Dedicated Place for HW with water and Soap	84.6	0.00	0.00	20%	0.00
Total Score						41.97



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	54.3	60	57.3	89.8	85.1	90.4	38	54	37.4	29.4	47.0	26.1
Poor	56.1	55.8	55.7	91.6	85.7	88.6	22.6	40.4	28	18.0	18.3	32.3
Middle	61.7	77.5	55.6	86.9	86.4	84.2	58.7	51.3	44.7	26.8	28.1	29.1
Rich	56.6	45.5	64.5	79.4	75.1	83.6	38.3	42.3	51.2	32.6	23.1	17.0
Richest	57.1	42.6	51.6	83	78	78.3	39.2	87.9	49.1	12.3	46.0	25.1

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

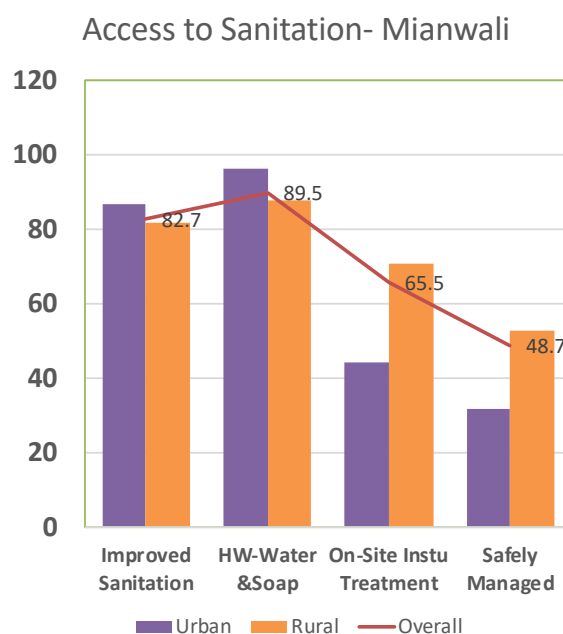
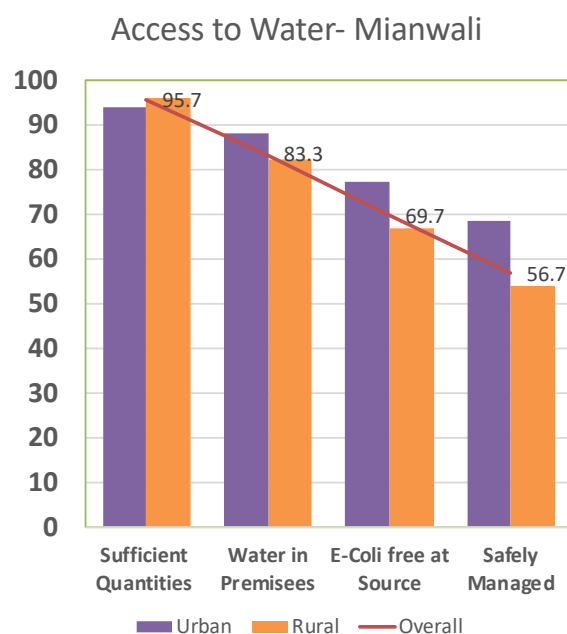
Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	84.8	30.6	75.8	14.4	60.2	20.5	45.0	49.5	44.9	14.4	37.7	18.3
Poor	64.2	0.0	55.2	32.8	94.6	43.7	51.9	90.4	53.6	30.2	52.8	37.1
Middle	35.9	0.0	15.8	63.6	96.1	82.6	62.9	92.1	69.7	61.1	39.9	71.7
Rich	10.2	0.0	2.5	88.3	95.4	95.1	70.8	92.4	89.0	78.5	35.1	68.2
Richest	0.7	0.0	75.8	98.6	96.9	96.8	93.7	98	94.7	82.6	24.4	50.1

WASH Index**Mianwali**

Key Pillar	Indicator	Value- %	Relative Index (0-100)	Value for Pillar (Average)	Weight in WASH Index	WASH Index
Overall						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.8	74.71	59.08	40%	23.63
	Located in Premises	83.3	75.50			
	Water Available 24 Hours	95.7	85.64			
	Free from Contamination	68.9	59.59			
	Safely Managed Water	56.7	62.16			
Access to Sanitation	Improved Sanitation	82.7	66.74	62.32	40%	24.93
	Not Shared	79.8	33.33			
	Safe disposal in Situ (On site excreta treatment)	65.5	80.50			
	Safely Managed Sanitation	48.7	68.72			
Hygiene	Dedicated Place for HW with water and Soap	89.9	69.89	69.89	20%	13.98
Total Score						62.54

Rural						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	97.4	71.43	65.91	40%	26.36
	Located in Premises	82.1	71.38			
	Water Available 24 Hours	96.1	85.55			
	Free from Contamination	67	55.72			
	Safely Managed Water	54.1	45.47			
Access to Sanitation	Improved Sanitation	81.8	69.80	64.78	40%	25.91
	Not Shared	80.7	41.67			
	Safe disposal in Situ (On site excreta treatment)	70.5	80.66			
	Safely Managed Sanitation	52.8	66.98			
Hygiene	Dedicated Place for HW with water and Soap	87.9	71.65	71.65	20%	14.29
Total Score						66.56

Urban						
Access to Water	Improved Source Piped, Hand Pump/ Motorized	99.3	94.44	82.95	40%	33.18
	Located in Premises	88.1	87.15			
	Water Available 24 Hours	93.9	77.02			
	Free from Contamination	77.4	70.53			
	Safely Managed Water	68.5	85.58			
Access to Sanitation	Improved Sanitation	86.6	60.12	45.02	40%	18.01
	Not Shared	76.4	9.54			
	Safe disposal in Situ (On site excreta treatment)	44.4	61.41			
	Safely Managed Sanitation	31.8	48.99			
Hygiene	Dedicated Place for HW with water and Soap	96.3	81.25	81.25	20%	15.81
Total Score						67.00



Wealth Quintiles-Ladder of Safely Managed Drinking Water

Wealth Quintiles	Accessibility- water on premises			Availability – Water in sufficient quantities			Drinking water source with E. coli			Safely Managed Water*		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	71.9	68.8	71.8	94.7	94.8	95	84.1	100	81.2	58.5	80.6	60.4
Poor	78	80.8	78.4	92.5	88.9	92.9	72.5	38.5	68.9	56.3	53.7	64.2
Middle	81.4	92.6	82.5	97.9	90.6	96.9	56.5	91	67.3	53.8	100.0	49.7
Rich	88.7	99.7	88.2	96.5	98	95.3	66.9	63.9	70.6	52.0	47.9	48.7
Richest	90.8	98.6	95.6	98.9	97	98.3	59	76.8	60.3	49.6	59.8	60.5

*Percentage of household members with improved water source, located on premises, free of E. coli and available when needed

Wealth Quintiles- Ladder of Safely Managed Sanitation

Wealth Quintiles	Open Defecation			Improved Sanitation			Hand Washing with Water and Soap			Safely Managed Sanitation		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Poorest	50.3	20.9	46.9	46.6	72.2	49.3	73.1	94.9	75.5	44.0	57.7	46.0
Poor	24.7	0.0	19.1	73.0	92.9	78.3	82.2	90.3	84.3	67.9	57.3	70.9
Middle	5.5	0.0	3.0	92.6	89.6	94.6	91.8	96.2	92.6	86.1	50.8	82.7
Rich	0.1	0.0	0.3	98.4	84.8	97.7	92.7	100	95.8	82.9	33.8	77.5
Richest	0.2	0.0	0.0	98.5	93.1	93.8	99.8	100	99.5	71.7	22.3	50.3