## KEY FINDINGS OF THE SECOND REPORT (2016) OF THE MDG+ INITIATIVE: WATER SUPPLY

النتائج الرئيسية لتقرير مبادرة +MDG الثاني (2016): إمدادات المياه

01/11/2016

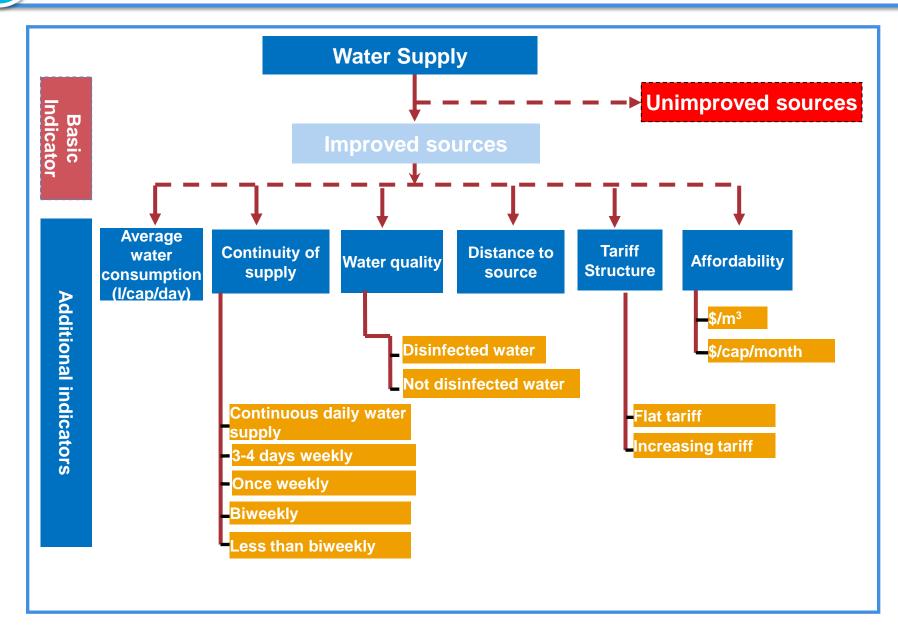
Economic And Social Commission For Western Asia



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- 1 Introduction
- 2 Concept and data
- 3 Key Findings

## Introduction





http://www.acwua.org/sites/default/files/mdg\_combined-email.pdf

First report 2015

**Second report 2016** 



المبادرة الإقليمية حول تطوير آلية إقليمية لتحسين الرصد والإبلاغ بشأن الحصول على

إمدادات المياه

#### وخدمات الصرف الصحي

في المنطقة العربية

(مبادرة +MDG)

التقرير الثاني

2016

#### **Under Preparation**



http://www.escwa.un.org/arabic/informatio n/pubdetails.asp?division=SDPD

Guide to MDG+
Indicators

اللجنة الاقتصادية والاجتماعية لغربى آسيا



$$\Omega SP = \frac{TSP}{PSP \times 365} \times 10^3$$

$$PVV_i = 1000 \times \frac{1}{365 \times 0.35} \times \frac{BD_i}{D_i}$$

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مؤشرات إمدادات المياه والصرف الصحي

دلیل تدریبي (مبادرة +MDG)





http://www.escwa.un.org/arabic/information/pub details.asp?division=SDPD

اللجنة الاقتصادية والاجتماعية لغربى آسيا



$$OSP = \frac{TSP}{PSP \times 365} \times 10^3$$

$$PVV_i = 1000 \times \frac{1}{365 \times 0.85} \times \frac{BD_i}{D_i}$$

ملحق: أداة برنامج جداول البيانات أكسل

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مؤشرات إمدادات المياه والصرف الصحي

دلیل تدریبي (مبادرة +MDG)

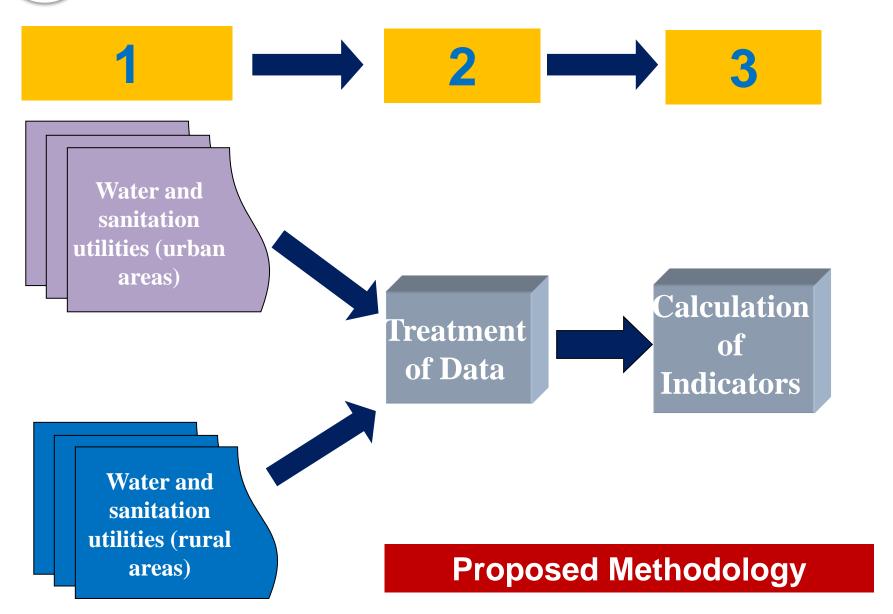


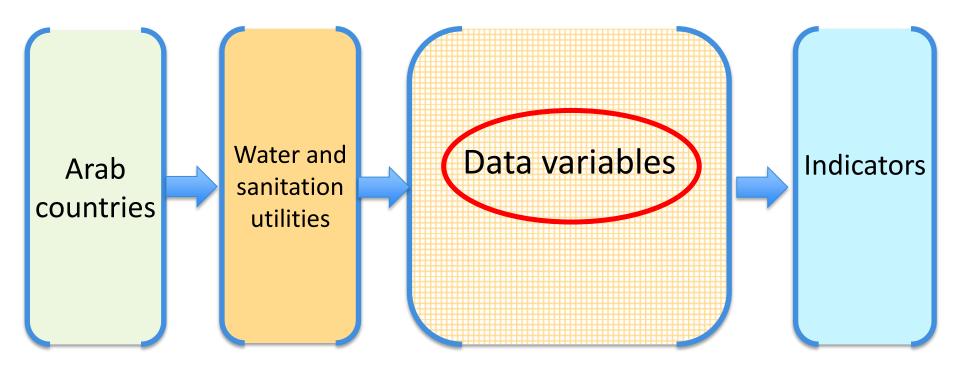
#### 14 Arab countries

Training workshops on evaluation of the indicators

More than 250 trainees from water and statistics sectors

	Lebanon (regional)
Algeria	
	UAE
Qatar	
	Bahrain
Lebanon (local)	
	Tunisia
Oman	
	Egypt
Jordan	
	Sudan
Kuwait	
	Saudi Arabia
Mauritania	





#### **Second MDG+ report 2016**

MDG+⋅Initiative⋅indictors⋅calculated n⋅No.⋅of⋅population <sub>1</sub>																	
g General-Data¤																	
	H NON		2012·Data**·¤						2013·Data¤								
	MCM-per-year¶		Urban¤		Rural¤	Total∙¤		- <b>#</b>	U	rban¤	Rural	⊒ T	Total♯				
	п #		35884¤	- 4	15316¤	04000**			3	37372¤		# a	00407				
	□ Percentage · (%) □			44¤		- 81200¤		/#		44¤	56¤	8·	83467¤				
	Annual·per·capita·income·(USD)*:¤			44¤ 56¤ 2926-\$/-year¤								3100-\$/-year■					
	¶	ne (00D)		2020 to your -													
Ħ	₩ater·Supply#																
¤				2012·data¤ ¤						2013-data¤							
¤	Population (x1000) Supply net					Standpiper				Supply∙network¤			Standpipe¤				
¤		Urban¤	Rural¤	Total⋅¤	Urban¤	Rural¤	Total⋅¤	.¤ Urbaı		Rural¤ Total∙¤		Urban¤	Rural¤	Total∙¤			
¤	Ω																
Ħ	Connected to network	34584.78¤	43514.4¤	78099.19¤	240∞	825¤	1065¤	22	35728.0¤	45830. 91¤	81558.91¤	240∞	825¤	1065¤			
¤	Daily·Per·capita·consumptio																
¤	Liter/person/day¤	289∞ 127		200∞	35∞	32∞	33¤	332	283.3¤	122.3∞	194.6∞	35¤	32¤	33¤			
¤	Continuity of Supply#																
¤	Continuous-¤	34041.41¤	42929.8¤	76971.23¤	¤218.61	¤780.94	¤999.55	532	¤35115.28	45103. ¤86	¤80219.14	¤218.61	¤780.94	¤999.55			
¤	3-4·days·weekly∞	395.74∞	542.58¤	938.32∞	¤15.34	¤29.37	∞44.71	332		¤640.80	¤1087.46	¤15.34	¤29.37	¤44.71			
¤	One-day-weekly¤	123.63¤	31.20∞	154.83¤	24.74	¤8.81	¤13.55	332	¤140.07	¤57.75	¤197.82	¤4.74	¤8.81	¤13.55			
¤	One-day-biweekly¤	24.00∞	10.80¤	34.80∞	¤1.31	¤5.87	¤7.18	332	¤26.00	¤28.50	¤54.5	¤1.31	¤5.87	¤7.18			
¤	Less-than-biweekly¤	¤0	¤0	12	¤0	<b>2</b> ()	¤0	332	¤0	¤0	<b>π</b> 0	¤()	¤0	<b>π</b> ()			
¤	Water·quality¤								<b>-</b>	45000							
¤	Treated-water- <u></u> ¤	34584.78¤	43514.4¤	78099.19¤	240¤	825¤	1065¤	531	35728.0∞	45830. 91¤	81558.91¤	240∞	825¤	1065¤			
¤	Untreated⋅water⋅∞	-52	-10	-12	-12	-12	-12	332	-32	-121	-52	-12	-10	-10			
¤	Distance-to-source#							_									
¤	D			Ω				332		п							
¤	Tariff-structure#							_									
¤	Monthly-flat¤	-12	-12	-12	121	12	121	332	-12	7979¤	11818¤	12	Ω	52			
¤	Volumetric¤	34584.78¤	43514.4¤	78099.19∞	n	n	ū	121	35728.0∞	45830 .91¤	81558.91¤	n	ū	D			
¤	Average·Tariff·(volumetric)¤																
¤	(US-\$/m3)¤	.102¤	.08¤	.09¤	-32	-328	-12	322	.102¤	.08¤	.09¤	-12	-10	-32			

#### **Second MDG+ report 2016**

MDG+·Indicators·by·Wattr·Volume·Annually¶

d	Water-Supply®																
¤		2012·Data*¤								2013-data¤							
¤	MCM/Annually¤	Supply-network¤				Standpipe¤			Su	pply-netwo	ork¤	Standpipe¤					
¤		Urban¤	Rural¤	Total¤	Urban¤	Rural¤	Total¤		Urban¤	Rural¤	Total¤	Urban¤	Rural¤	Total¤			
¤	п																
¤	Produced·volume¤	5489.652¤	2892.02¤	83811.67 9¤	3.113¤	9.69¤	12.803¤	xx	5644.60¤	2945.10¤	8589.69¤	3.113¤	9.69¤	12.803¤			
¤	x																
¤	Disributed-volume¤	3638.31¤	2025.89¤	5664.208¤	3.113¤	9.69¤	12.803¤	n	3694.46¤	2045.40¤	5739.86¤	3.113¤	9.69¤	12.803¤			
¤	Continuity-of-Supply¤																
¤	Continuous¤	¤3589.233	¤1976.11	¤5565.345	¤2.8355	¤9.1725	¤12.008		¤3644.87	¤1994.52	¤5639.39	¤2.8355	¤9.1725	¤12.008			
	3-4·days·weekly¤	¤35.563	¤43.590	¤79.153	¤0.199	¤0.345	¤0.544	n	¤35.832	¤44.473	¤80.305	¤0.199	¤0.345	¤0.544			
¤	One-day-weekly¤	¤11.048	¤3.962	¤15.010	¤0.0615	¤0.1035	¤0.165	n	¤11.128	¤4.088	¤15.216	¤0.0615	¤0.1035	¤0.165			
¤	One-day-biweekly¤	¤2.465	¤2.237	¤4.702	¤0.017	¤0.069	¤0.086	x	¤2.631	¤2.321	¤4.953	¤0.017	¤0.069	¤0.086			
¤	Less-than-biweekly¤	¤0	¤0	¤0	¤0	¤0	-xt	¤	-xx	0α	-101	-α	-a	-101			
¤	Water-quality¤																
¤	Treated-water¤	5489.65¤	2892.03¤	8381.68¤	3.113¤	9.69¤	12.803¤	¤	5644.60¤	2945.10¤	8589.69¤	3.113¤	9.69¤	12.803¤			
¤	Untreated·water¤	-101	-101	-101	-ia	-xa	-101	¤	-¤	-¤	-xa	-¤	-i¤	-101			
¤	Distance-to-source¤																
ŭ	n			I.	n			¤			3	n					
¤	Tariff-structure¤																
¤	Monthly-flat¤	0α	π()	ω()	131	n	n	¤		-m	-101	m	m	x			
¤	Volumetric¤	¤3638.31	¤2025.89	¤5664.208	n	n	n	¤	3694.46¤	¤2045.40	¤5739.86	n	n	n			
	Average·Tariff·(volumetric)¤																
¤	(US-\$/m3)¤	0.102¤	.08¤	.09¤	-101	-101	-101	x	.102¤	.08¤	.09¤	-xt	-101	¤			

(-)·Data·unavailable¶

#### **Second MDG+ report 2016**

1	MDG+·Initiative·Indicators·─·Water·Supply·Based·on·2013·Data¶ People·Served·with·House·Connection-·Urban·Areas¤													
1	n	No·of· peopl	Average daily per capita consumptio	people- served-by- house- connectio n-(Million)¤	reopie sei v	Continuity of S			Quality· ·people)¤	Tariff·S (million	¶ ¶			
Country¤		e· serve d· (Millio n)¤			Continuou s∙supply¤	3-4·days· per·week¤	Once- weekly¤	Biweekly¤	Less- than- biweekly¤	Treate d· water¤	Treate d· water¤	Monthl y·Flat¤	Volumet ric¤	(US· \$/m³)¤
Algeria¤	No.¤	38.70∞	125.80¤	32.38¤	20.32¤	12.07¤	0.00¤	0.00¤	0.00¤	32.38¤	0.00∞	0.00¤	32.38¤	0.06¤
Bahrain¤	No.¤	1.25¤	312.50¤	1.25¤	1.25¤	0.00¤	0.00¤	0.00¤	0.00¤	1.25¤	0.00¤	0.00¤	1.25¤	0.07¤
Egypt¤	No.¤	37.37¤	283.30¤	35.73¤	35.12¤	0.45¤	0.14¤	0.03¤	0.00¤	35.73¤	0.00∞	0.00¤	35.73¤	0.10¤
Iraq¤	No.¤	-101	377.00¤	21.42¤	21.37¤	0.05¤	0.00¤	0.00¤	0.00¤	21.42¤	0.00∞	2.36¤	19.05¤	0.01¤
Jordan¤	No.¤	6.53¤	87.73¤	6.165¤	0.15¤	0.00¤	6.02¤	0.00¤	0.00¤	6.165¤	0.00¤	0.00∞	6.165¤	0.17¤
Kuwit¤	No.¤	-π	391.20¤	3.84¤	3.84¤	0.00¤	0.00¤	0.00¤	0.00¤	3.84¤	0.00¤	0.00¤	3.84¤	0.63¤
Leonba¤	No.¤	4.82¤	187.00¤	3.70¤	1.24¤	2.35¤	0.11¤	0.00¤	0.00¤	3.36¤	0.34¤	3.70¤	0.00∞	-π
t Lybia¤	No.¤	-101	-101	-101	-α	-101	-α	-α	-m	-α	-xa	-¤	-α	-10
Mauritania¤	No.¤	1.71¤	94.70¤	0.69¤	0.69¤	0.00¤	0.00¤	0.00¤	0.00¤	0.69¤	0.00¤	0.00¤	0.69¤	0.30¤
Morocco¤	No.¤	19.51¤	105.50¤	20.66¤	20.66¤	0.00¤	0.00¤	0.00¤	0.00¤	20.66¤	0.00¤	0.00¤	20.66¤	0.77¤
0man¤	No.¤	3.87¤	152.00¤	3.12¤	3.12¤	0.00¤	0.00¤	0.00¤	0.00¤	3.12¤	0.00¤	0.00¤	3.12¤	1.90¤
Palestine¤	No.¤	3.68¤	48.20¤	3.72¤	0.69¤	2.57¤	0.13¤	0.21¤	0.11¤	1.99¤	1.73¤	1.58¤	2.14¤	0.80¤
Qatar¤	No.¤	2.00¤	461.70¤	2.00¤	2.00¤	0.00¤	0.00¤	0.00¤	0.00¤	2.00∞	0.00∞	0.00∞	2.00¤	1.20¤
KSA¤	No.¤	30.14¤	200.00¤	30.14¤	30.14¤	0.00¤	0.00¤	0.00∞	0.00¤	30.14¤	0.00¤	0.00¤	30.14¤	0.03¤
Sudan¤	No.¤	-m	173.60¤	7.48¤	6.62¤	0.11¤	0.75¤	0.00¤	0.00¤	3.69¤	3.80¤	7.39¤	0.10¤	-101
Tunisia¤	No.¤	7.29¤	128.00¤	7.29¤	7.29¤	0.00¤	0.00¤	0.00¤	0.00¤	7.29¤	0.00∞	0.00¤	7.29¤	0.22¤
UAE¤	No.¤	-xx	-101	-xx	-α	-101	-π	-α	-¤	-π	-xa	-101	-α	-101
Yemen¤	No.¤	7.08¤	59.00¤	4.46¤	2.06¤	0.61¤	0.94¤	0.32¤	0.53¤	3.12¤	1.34¤	0.00¤	4.46¤	1.17¤

#### **Second MDG+ report 2016**

Names of focal points

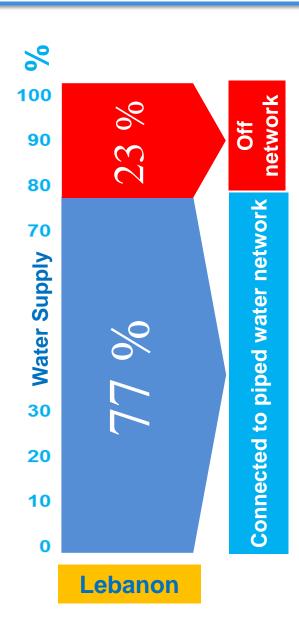
Names of participating water and sanitation utilities

Results

**Indicators** Names of national teams

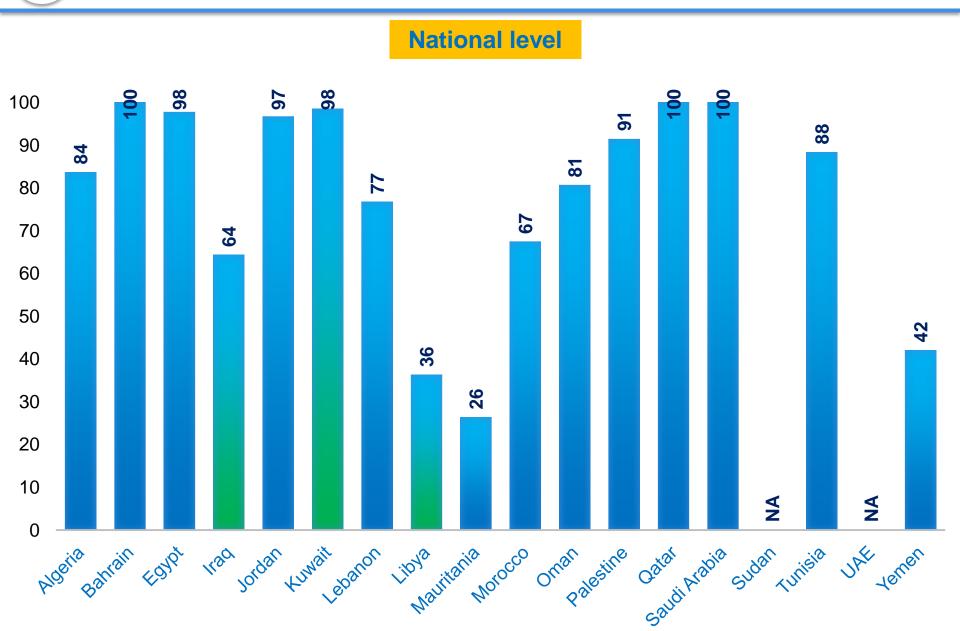
## **Key Findings**

### % of population connected to piped water



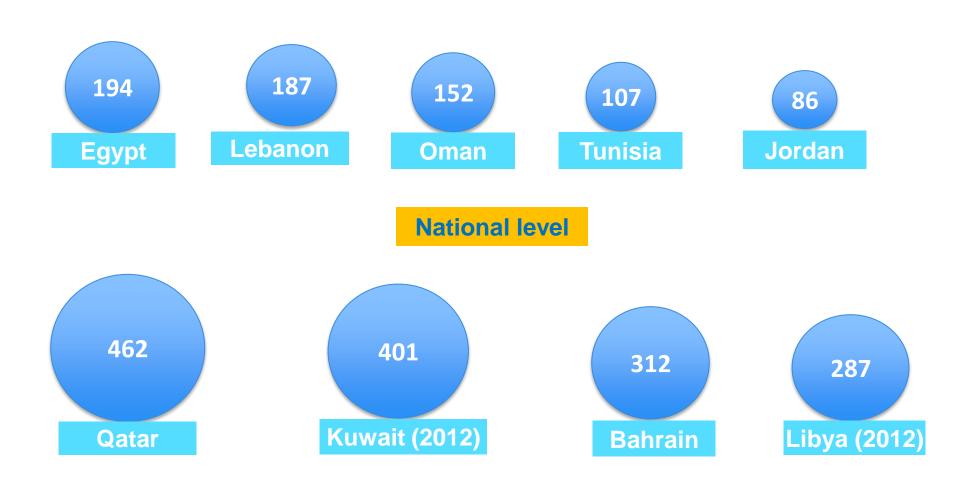


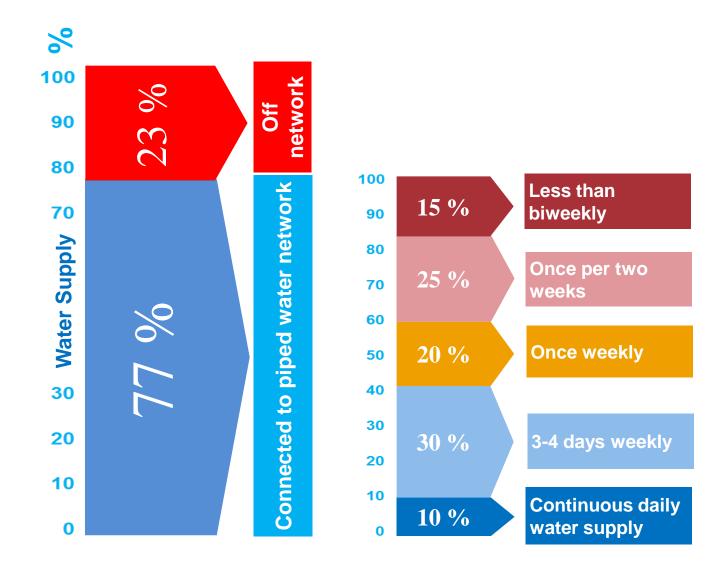
### % Population connected to piped water network



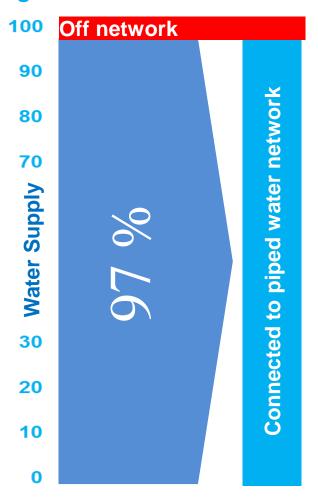
## **Water Consumption**

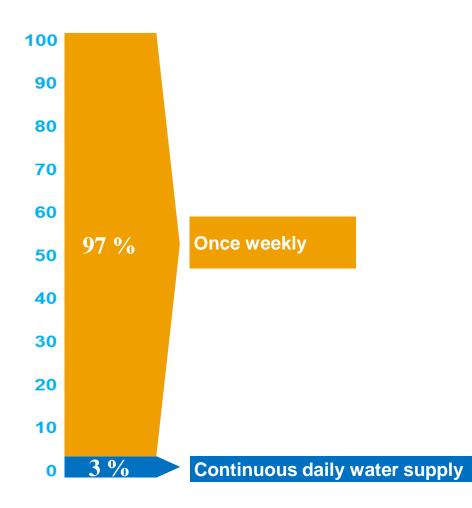
# Average water consumption for population connected to piped network (I/cap/day)



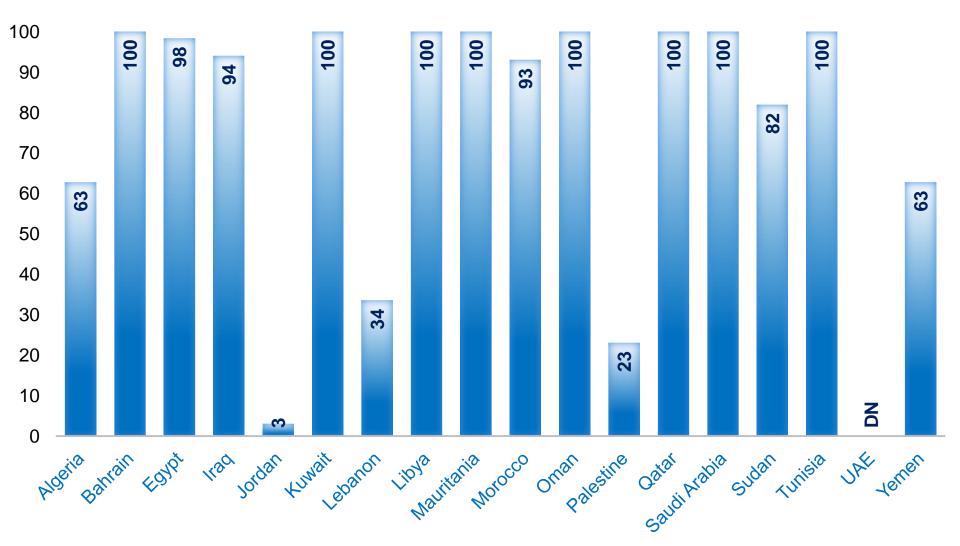


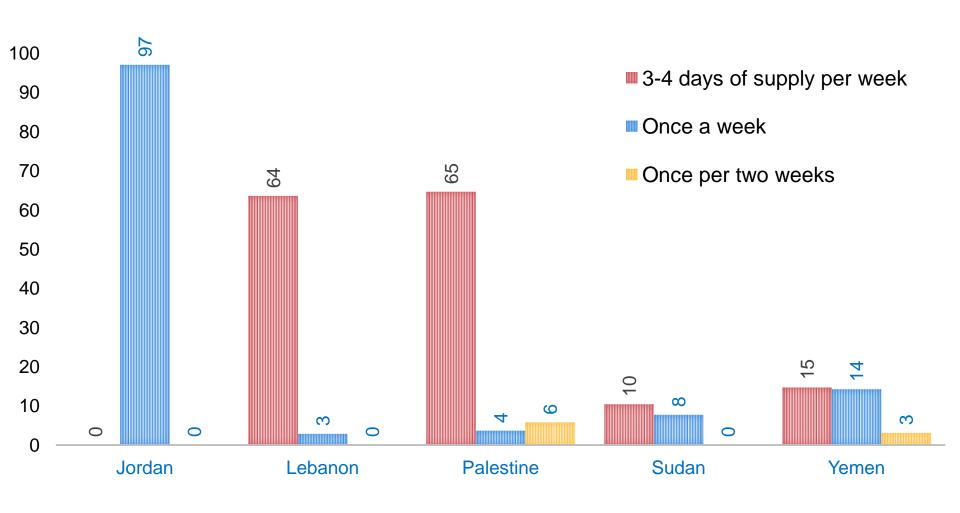


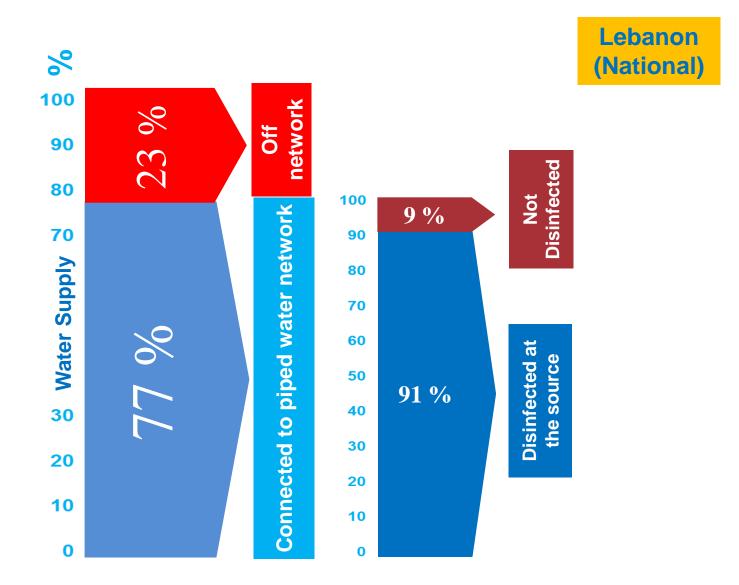


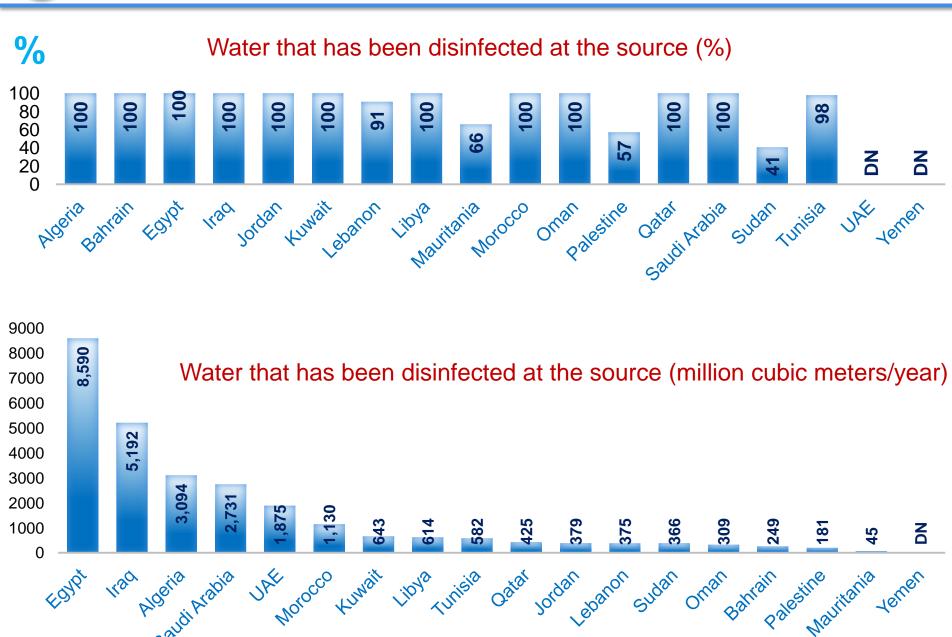


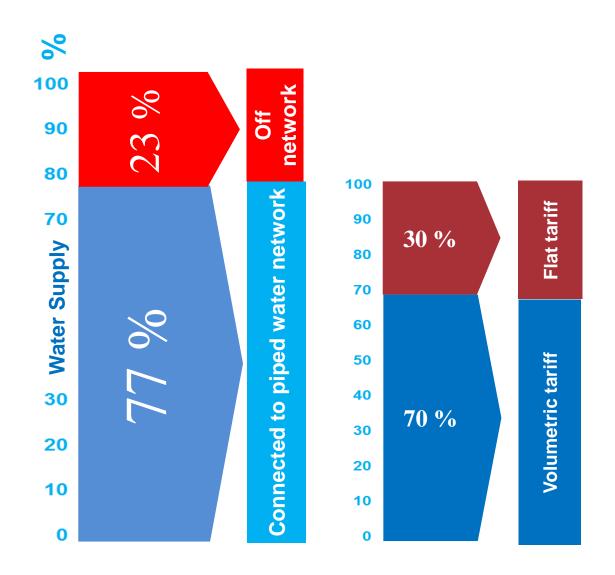
Proportion of population connected to piped water network receiving their water daily (%)



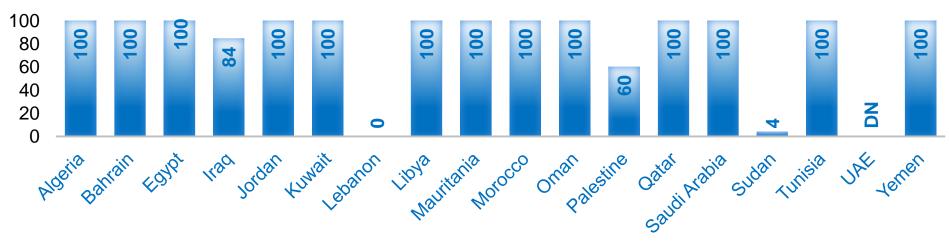




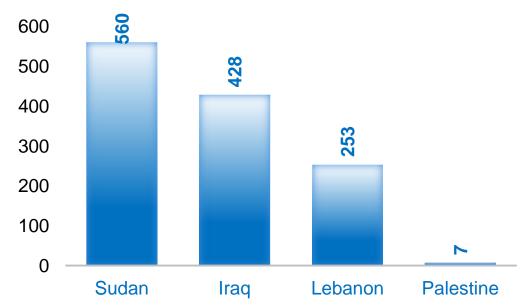


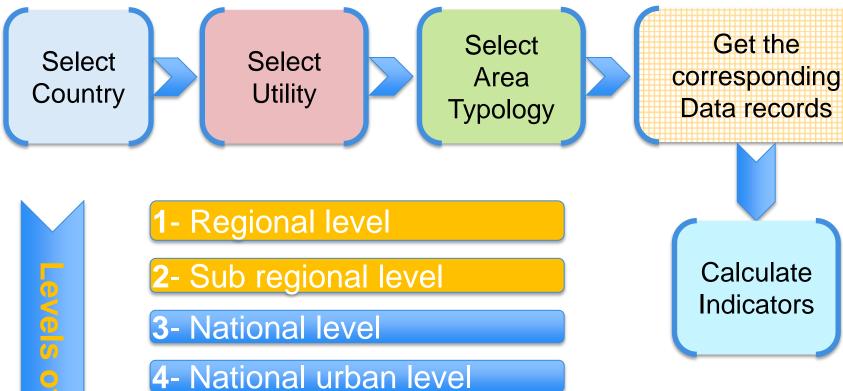


Proportion of population connected to piped water network billed a volumetric tariff (%)



Volume of water billed based on flat tariff in selected Arab countries (million cubic meters/year)





5- National rural level

7- Utility urban areas level

8- Utility rural areas level

6- Utility total level

### **THANK YOU**

Economic And Social Commission For Western Asia



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