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Clinical Trials in the MEA

NPO CRO Experience &
Contribution

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President ClinGroup Holding & ClinGroup Africa

President BOT Hope MCF

President Health Commission French Chamber Egypt

- 
- 01 Middle East and Africa region- History and Geography
 - 02 MEA. Health Numbers
 - 03 MEA- Clinical Research History and Today
 - 04 Regional Clinical Trials Advantages & Challenges
 - 05 MEA in Regulations
 - 06 Great evolution in movement
 - 07 Who Are We?

1. MEA Geography

1. MEA Geography





pyramids in Egypt



Ancient Assyrians



Solomon and Sheba Queen



Kingdom of Ghana



The Persian Empire



Ancient Babylon

Continues



St. Sophia in Turkey



The Kingdom of Kush in Nubia



The Land of Punt in The coast of northwest Somalia



Carthage



The Kingdom of Aksum in northern Ethiopia

Continues



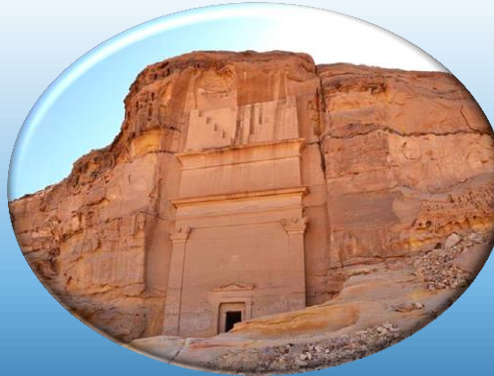
Hittite Empire in Minor Asia and the North of the Levant



The Dilmun in Sar, Bahrain



ʿĀd in Southern Arabia



Mada'in Saleh in Hejaz(ksa)



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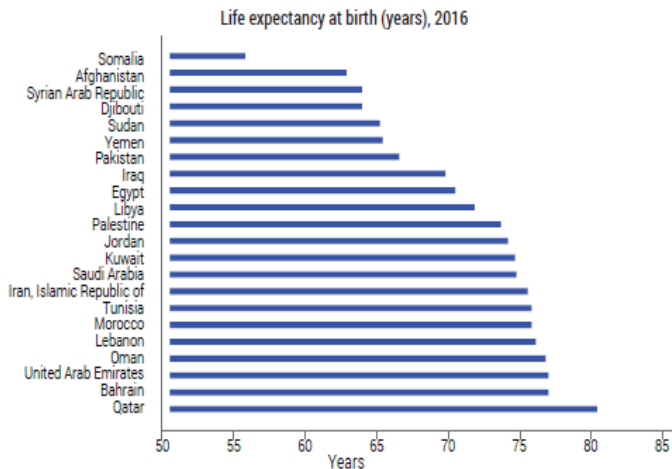
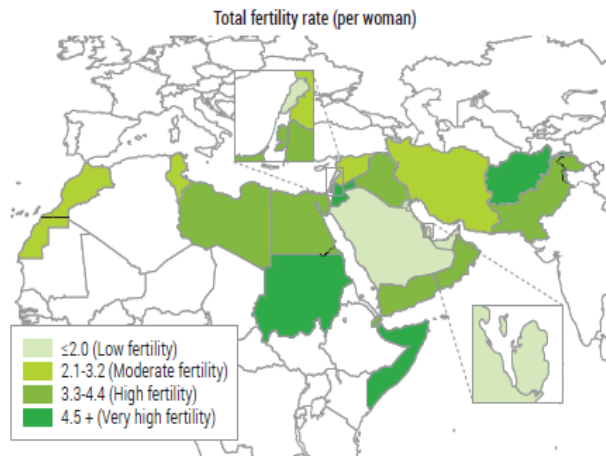
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2. MEA Health Numbers

(WHO EMRO Courtesy)

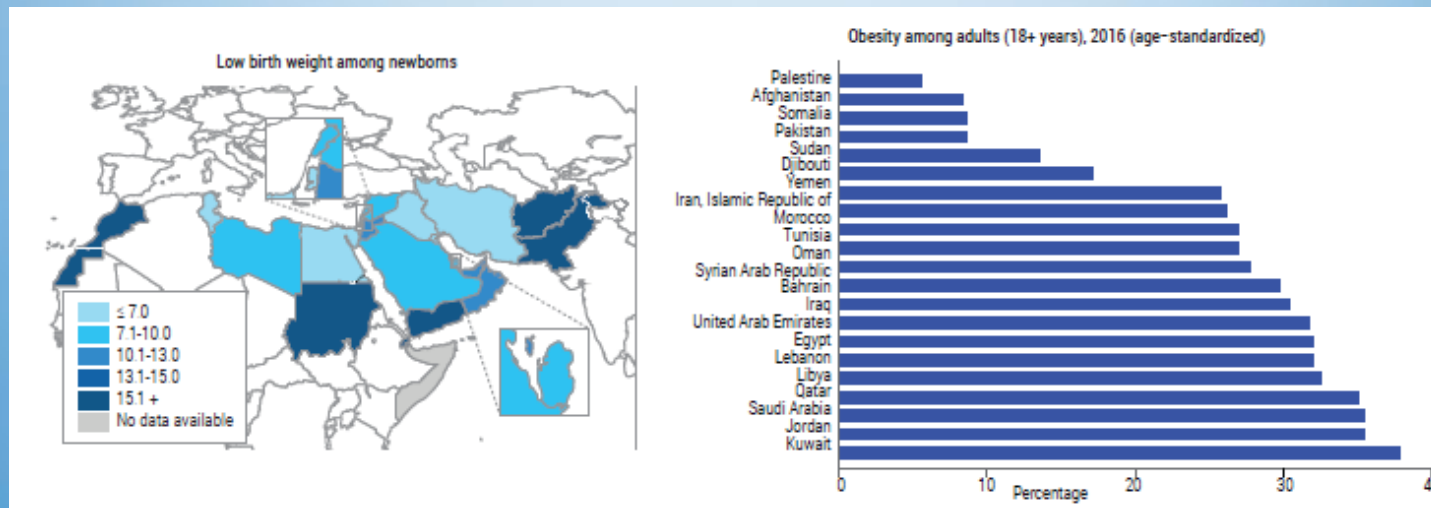
Population 2017	Population growth		Life expectancy at birth (years), 2016g			Literacy rate (15–24 years)					Net primary school enrolment ratio per 100 school-age children				Population below the international poverty line		Total fertility	Adolescent fertility (15–19 years), 2016g	
Country	Total (000s)	Urban %	% Y	T	M	F	T %	M %	F %	Y	Ratio	Ratio	Ratio	Y	% Y	Y	Per woman		Per 1000 girls
																	R	Y	
																	R	Y	
Afghanistan	29 200 ^b	24 ^a	2.0	2013	62.7	61.0	64.5	31	45	17	2012	57	64	48	2012	—	5.3	2015	87.0
Bahrain	1 501	100	5.4	2017	77.2 ^f	76.5	78.1	—	—	—	—	—	—	—	—	—	1.9	2017	13.4 ^f
Djibouti	8.60 ^d	—	1.5	2012	63.8	62.2	65.5	—	—	—	—	59	63	55	2014	—	3.4	2013	20.6
Egypt	92 115	42	2.4	2015	70.5	70.5 ^f	73.3 ^f	93	—	—	2015	53	52	48	2015	26.4	3.5	2014	56.0
Iran, Islamic Republic of	79 926 ^a	74	1.2	2016	75.7	74.6	76.9	97	97	96	2016	99	99	98	2016	0.1	2.1	2016	23.0
Iraq	37 140	70	2.2	2017	69.8	67.5	72.2	—	78	—	2013	92 ^d	94	83	2014	17.0	4.0	2017	56.2 ^f
Jordan	10 053	90	2.6	2017	74.3	72.7	76.0	96	97	91	2015	97	98	99	2016	—	3.4	2017	26.0
Kuwait	4 184 ^b	100	12.6	2015	74.8	73.9	76.0	95	96 ^d	94 ^d	2014	100	100	100	2014	—	1.8	2015	6.1
Lebanon	4 421	—	1.5	2017	76.3	75.1	77.7	—	—	—	—	93	97	90	2013	—	1.8	2017	0.1 ^f
Libya	6 545	85	2.0	2016	71.9	69	75.0	88	92	83	2014	100	—	—	2016	—	3.4	2014	10.9
Morocco	34 852	62	1.1	2017	76.0	74.8	77.0	89	93	86	2016	82	82	81	2017	2.2	2.4	2017	32.0
Oman	4 560	—	3.2	2017	76.9	74.8 ^f	79.2 ^f	98	97	98	2016	98	99	98	2016	0.0	4.0	2017	12.8 ^f
Pakistan	213 707	36	2.4	2017	66.5	65.7	67.4	57	68	45	2015	57	60	53	2015	39.0	3.6	2017	46.0 ^f
Palestine	4 706	85	2.8	2016	73.8 ^f	72.3	75.4	99	99	99	2017	94	92	97	2015	29.2	4.4	2017	48.0
Qatar	2 725	100	4.1	2017	80.7 ^f	79.9	82.4	99	99	99	2016	94	94	94	2016	0.1	1.9	2016	10.3
Saudi Arabia	32 552	83	2.5	2017	74.9 ^f	73.6	76.3	99	99	99	2017	98	97	98	2017	—	2.0	2017	11.7 ^f
Somalia	12 316 ^e	42	2.9	2014	55.4	53.7	57.3	—	—	—	—	17	18	17	2014	—	6.4	2015	64.0
Sudan	40 783	31	2.8	2016	65.1	63.4	66.9	60	56	60	2014	76	77	76	2014	36.1	5.2	2014	87.0
Syrian Arab Republic	24 422	—	—	—	63.8	59.4	68.9	—	—	—	—	—	—	—	—	—	3.0	2013	54.0
Tunisia	11 446	68	1.4	2016	76.0	74.1	76.1	—	—	—	—	96	90	99	2014	15.2	2.3	2016	3.0
United Arab Emirates	9 121	84	1.0	2016	79.7 ^f	78.1 ^f	81.5 ^f	—	—	—	—	95	92 ^e	90 ^e	2016	—	1.5	2016	6.4
Yemen	27 426	29	3.1	2017	65.3	63.9	66.8	—	—	—	—	88	39	48	2016	20.1	4.4	2013	67.0

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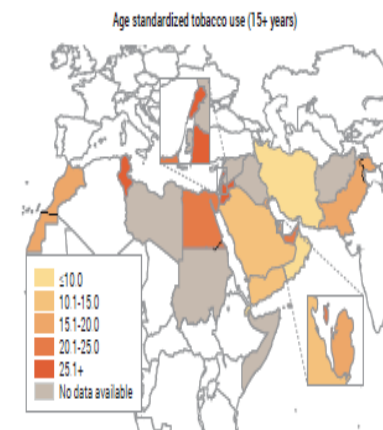
Biological						Nutritional												
Country	weight among newborns	breastfeeding 0–5 months of age	(age-standardized)											years), 2016 (age-standardized)			among women of reproductive age (15–49 years)	
						stunted	wasted	overweight	obese		Overweight	Obesity		Overweight	Obesity			
	%	%	Y	%	%	%	%	%	%	Y	%	%	Y	%	%	%	Y	
Afghanistan	25	58.4	2013	11.9	30.6	40.9	9.5	5.4	2.0	2013	—	—	—	23.0	5.5	40.4	2013	
Bahrain	10.3	10.7	2017	11.5	21.4	5.6	3.2	4.9	1.3	2017	—	—	—	65.8	29.8	45.9	2017	
Djibouti	29.8	49.3 ^a	2014	8.1	26.8	33.5	17.8	8.1	—	2013	—	—	—	38.6	13.5	—	—	
Egypt	7.0	39.7 ^a	2017	17.9	25	22.3	9.5	15.7	8.5	2014	27.4	8.5	2014	63.5	32.0	25.2	2014	
Iran, Islamic Republic of	4.1	53.1 ^b	2017	12.1	19.7	6.8	3.0	11.8	1.9	2013	20.6	11.3	2016	61.6	25.8	—	—	
Iraq	6.3	38	2016	17.4	25.2	22.6 ^c	7.4	11.8 ^c	—	2014	25.3	7.9	2012	64.6	30.4	—	—	
Jordan	13.0	23.0 ^a	2014	16.8	21	7.7	2.4	4.4	—	2013	—	—	—	69.6	35.5	—	—	
Kuwait	7.0	11.9	2014	19.6	23.6	4.9	3.1	6.0	2.1 ^c	2015	—	—	—	73.4	37.9	22.2	2014	
Lebanon	9.5	14.8 ^c	2017	13.4	20.7	7.3	6.6	16.7	6.3	2015	—	—	—	67.9	32.0	—	—	
Libya	7.1	67.0 ^b	2014	15.9	23.7	21.0	6.5	22.0	10.5	2015	—	—	—	66.8	32.5	—	—	
Morocco	15.4 ^f	35.0	2017	13.7	26.1	15.1	2.9	10.8	2.8	2017	—	—	—	60.4	26.1	—	—	
Oman	11.9	23.2	2017	13.5	24.8	11.4	9.3	3.1	1.1	2017	29.0	12.5	2015	62.6	27.0	27.8	2017	
Pakistan	32.0	47.0	2017	12.4	30.5	37.6	7.1	2.5	2.8 ^c	2017	—	—	—	28.4	8.6	—	—	
Palestine	6.4	38.6 ^c	2017	—	—	7.4	1.2	8.2	—	2014	—	—	—	—	—	27.0	2013	
Qatar	10.0	29.3 ^d	2016	18.9	22.4	2.3	2.8	8.3	2.3	2016	45	22.4	2016	71.7	35.1	—	—	
Saudi Arabia	8.70	43.9	2017	17.4	23.3	11.1	4.1	9.1 ^b	0.2	2017	—	—	—	69.7	35.4	46.1	2017	
Somalia	—	—	—	6.8	32.9	42.1	13.2	—	—	2015	—	—	—	28.4	8.3	—	—	
Sudan	32.3	55.4	2017	10.0	30.2	38.2	16.3	3.0	—	2014	11.4	3.6	2012	28.9	8.6	53.6	2016	
Syrian Arab Republic	9.4	—	2014	14.6	24.5	22.3	7.2	—	—	2014	—	—	—	61.4	27.8	—	—	
Tunisia	6.9	8.5	2014	12.5	23.2	3.7 ^a	2.8	14.3 ^d	2.3 ^d	2015	—	—	—	61.6	26.9	35.8	2016	
United Arab Emirates	10.9 ^h	49.0	2017	15.1	21.1	—	—	—	—	—	38.4	16.6	2016	67.8	31.7	30.3	2016	
Yemen	16.9 ^h	11.5	2014	11.3	38.7	47.6	16.3	2.6	0.4	2014	—	—	—	48.6	17.1	—	—	

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c. Health determinants and risks (WHO EMRO Courtesy)

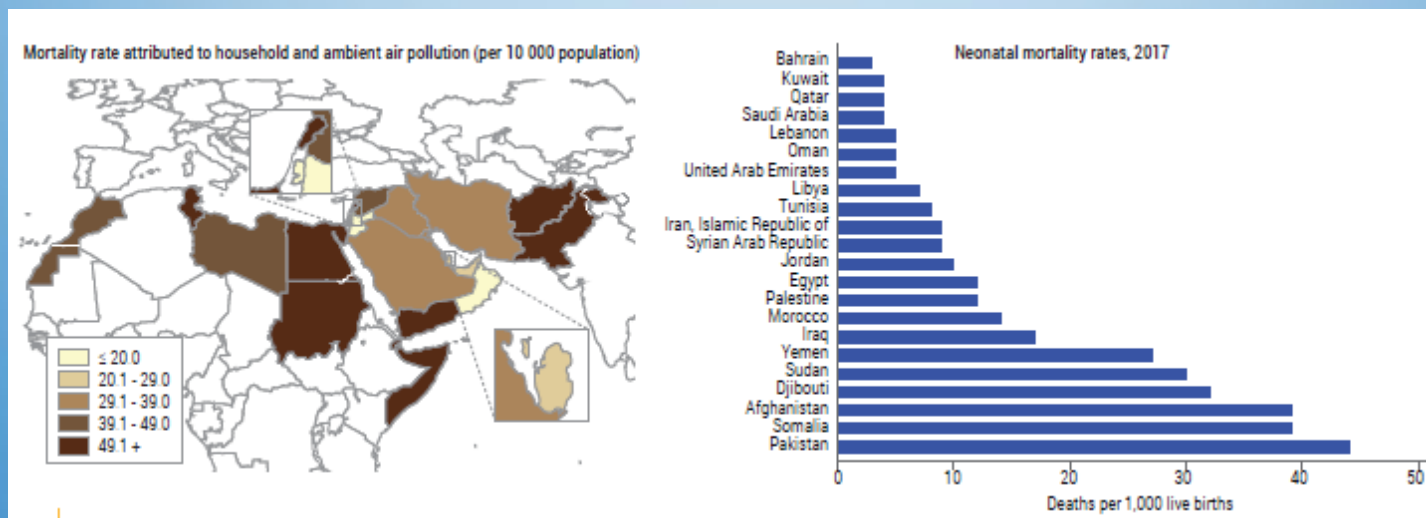
Country	Behavioral		Environmental, 2015								
	Insufficient physical activity (13–18 years), 2016	Insufficient physical activity (18+ years), 2016	Tobacco use (13–15 years) ^a				Tobacco use (15+ years) ^a , 2015 (age-standardized)			Access to improved drinking water	Access to improved sanitation facilities
	%	%	T	M	F	Y	T	M	F	%	%
Afghanistan	88.1	—	—	—	—	—	—	—	—	55	32
Bahrain	81.0	—	17.7	25	10.1	2015	21.9	31.5	4.2	100 ^f	100 ^f
Djibouti	85.2	—	15.2	17.8	11.1	2013	9.9	18.6	1.1	90	47
Egypt	87.5	31.0	13.6	18.1	8.2	2014	22.2	44.2	0.2	99	95
Iran, Islamic Republic of	56.4	33.2	5.9	7.5	4.2	2012	10.0	19.3	0.7	97 ^f	99 ^f
Iraq	85.0	52.0	14.1	19.4	8.6	2016	—	—	—	87	86
Jordan	84.8	—	24	33.9	13.8	2014	38.4 ^a	65.5 ^a	10.2 ^a	97	99
Kuwait	84.3	67.0	11.6	19.4	4.6	2016	18.5	31.0	1.6	99	100
Lebanon	82.1	36.4	11.3	18.8	5.1	2013	25.1	32.6	17.6	99	81
Libya	83.2	36.4	—	—	—	—	—	—	—	—	97
Morocco	87.3	26.2	6	7.3	4.4	2016	18.6	37.7	0.5	87 ^f	77
Oman	83.8	32.9	—	—	—	—	9.1	12.8	0.3	93	97
Pakistan	86.9	41.5	10.7	13.3	6.6	2013	16.2	29.5	2.3	91	73
Palestine	—	75.3	17.3	23.6	11	2014	—	—	—	62 ^f	100 ^f
Qatar	88.0	36.8	15.7	22.8	8.8	2013	16.4	21.4	0.6	100 ^f	100 ^f
Saudi Arabia	—	53.1	—	—	—	—	13.0	21.5	0.9	100 ^a	99 ^a
Somalia	—	—	—	—	—	—	—	—	—	31 ^a	23 ^a
Sudan	90.3	—	11.7	14.5	7.3	2014	—	—	—	55 ^d	24 ^d
Syrian Arab Republic	87.5	—	—	—	—	—	—	—	—	90	96
Tunisia	81.5	30.4	—	—	—	—	28.3	56.9	0.9	98	92
United Arab Emirates	81.9	38.0	12.2	16	8.2	2013	22.9	29.6	0.7	100	98
Yemen	86.4	—	18.7	23.9	9.9	2014	14.3	23.6	5.0	55 ^d	53 ^d



d. Health status (mortality) (WHO EMRO Courtesy)

Country	Neonatal			Infant	Under-5	Maternal mortality ratio	Age-standardized mortality rates by major cause	Mortality between age 30 and exact age 70 from cardiovascular disease, cancer, diabetes, chronic respiratory disease, 2016	Mortality between age 30 and exact age 70 from cardiovascular disease, cancer, diabetes, chronic respiratory disease, 2016		Mortality rate attributed to household and ambient air pollution, 2016	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene, 2016				
	Mortality rate per 1000 live births, UN-IGME 2017 estimates								Per 100 000 live births, UN-MMEIG 2015 estimate	Per 100 000 population			Reported, 2016	WHO estimate, 2016		
	R	R	R	R	Communicable diseases, 2012	Noncommunicable diseases, 2016	Injuries, 2012	Rate per 10 000 population	Per 100 000 population	R	Rate per 10 000 population	Rate per 100 000 population				
Afghanistan	39	52	68	396	363	852	169	29.8	5.3	15.1	95	13.9				
Bahrain	3	6	7	15	15 ^a	158 ^a	17 ^a	11.3	4.9 ^a	6.9	15	<0.1				
Djibouti	32	52	62	229	626	610	106	19.6	—	23.5	99	31.3				
Egypt	12	19	22	33	62 ^a	827	35 ^a	27.7	5.9	9.7	73	2				
Iran, Islamic Republic of	9	13	15	25	56	561	75	14.8	19.9 ^b	20.5	35	1				
Iraq	17	25	30	50	87	646	128	21.3	12.7	20.7	35	3				
Jordan	10	15	17	58	53	614	53	19.2	7.7	24.4	26	0.6				
Kuwait	4	7	8	4	82	579	25	17.4	22.6 ^c	17.6	37	<0.1				
Lebanon	5	7	8	15	30	575	41	17.9	9.9 ^b	23.8	52	0.8				
Libya	7	11	12	9	53	660	63	20.1	37.1	26.1	43	0.6				
Morocco	14	20	23	121	—	525	47	12.4	11.0	19.6	40	1.9				
Oman	5	10	11	17	84	469	53	17.8	14.1 ^f	16.1	22	<0.1				
Pakistan	44	61	75	178	296	713	99	24.7	2.4	14.3	113	19.6				
Palestine	12	18	21	45	2 ^g	521 ^f	26 ^g	21.0 ^b	5.4	5.3	26 ^h	1.81 ^k				
Qatar	4	7	8	13	28	465	41	15.3	6.5 ^j	9.5	13	<0.1				
Saudi Arabia	4	6	7	12	71	562	41	16.4	28.5	28.8	39	<0.1				
Somalia	39	80	127	732	927	645	188	21.8	—	27.1	152	86.6				
Sudan	30	44	63	311	496	745	134	26	6.0	25.7	105	17				
Syrian Arab Republic	9	14	17	68	41	654	308	21.8	3.5	26.5	44	3.7				
Tunisia	8	11	13	62	65	538	39	16.1	12.8	22.8	57	1				
United Arab Emirates	5	8	9	6	36	499	32	16.8	6.1	18.1	16	<0.1				
Yemen	27	43	55	385	515	881	84	30.6	—	26.9	90	10.2				

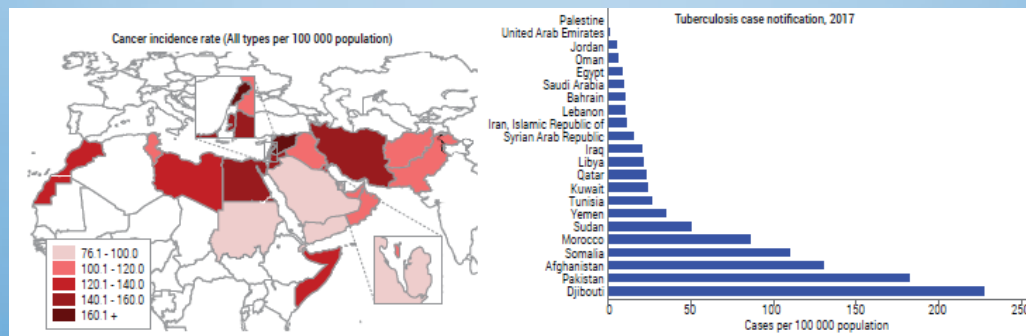
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e. Health status (morbidity, 2017) (WHO EMRO Courtesy)

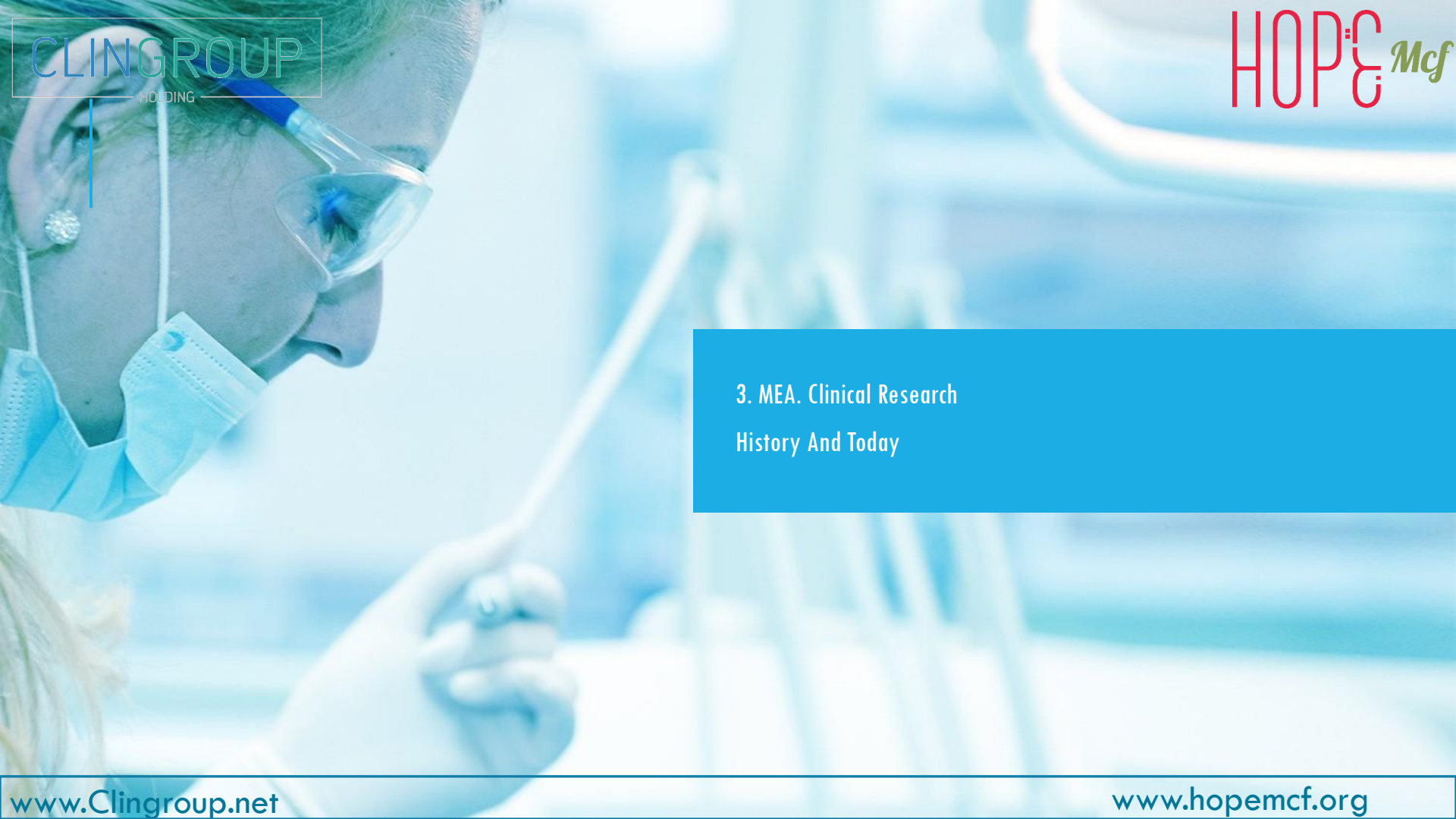
	Cancer (all types), 2018	Tuberculosis	HIV		Hepatitis B, 2016	Malaria	Measles	
	Incidence	Case notification, 2017	Estimated number of new infections	Number of newly reported cases	Hepatitis B incidence rate ¹	Incidence of confirmed cases	Total number of reported cases	Incidence
Country	Rate per 100 000				per 100 000	per 1000 population		per 1 000 000 population
	R	R	N	N		R	N	R
Afghanistan	100.2	130	...	259	500	8.3	320 045	46.81
Bahrain	105.2	10	<100	57	...	0	133 ^o	2.7
Djibouti	87.9	227	560	...	600	30.66	14 671	3.47
Egypt	156.9	8	2300	2093	800	0	305 ^o	0.25
Iran, Islamic Republic of	141.6	11	4700	2049	20	...	939 ^m	0.65
Iraq	105.5	20	...	96	100	0	9 ^o	0.63
Jordan	157.8	5	...	27	1000	0	44 ^o	0
Kuwait	121.8	24	<100	44	100	0	419 ^o	3.85
Lebanon	242.8	10	<200	205	200	0	152 ^o	21.94
Libya	120.3	21	...	...	300	...	397	1.38
Morocco	139.6	86	990	1308	500	0	496 ^o	0.12
Oman	103.3	6	...	150	400	...	1078 ^m	2.04
Pakistan	114	182	20 000	3158	2800	1.81	2 190 418	36.67
Palestine	158.6	0	...	4	...	0	1 ^o	15.11
Qatar	97.3	23	<100	26	20.3 ^o	0	444 ^o	3.3
Saudi Arabia	88.7	9	...	...	300	...	3151 ^m	15.93
Somalia	120.8	110	<500	1118	10 500	2.38	37 156	1670
Sudan	95.9	50	4700	3875	2900	17.8	1 368 589 ^o	16.16
Syrian Arab Republic	169.9	15	...	37	400	0	25 ^o	32.49
Tunisia	115.4	26	<500	168	800	...	120 ⁿ	0.44
United Arab Emirates	112.5	1	...	...	100	0	4013 ^o	13.21
Yemen	76.1	35	...	...	2500	6.3	114 004	15.67

Continues



f. Health status (neglected tropical diseases, 2016) (WHO EMRO Courtesy)

Country	Number of people requiring interventions against neglected tropical diseases					Population at risk of neglected tropical diseases (subject to treatment campaigns)				
	Dracunculiasis ^a	Leishmaniasis	Leprosy	Rabies	Mycetoma	Lymphatic filariasis	Onchocerciasis	Schistosomiasis	Soil-transmitted helminthiasis	Trachoma
	N					N				
Afghanistan	0	35190	48	—	—	—	—	—	13 275 429	—
Bahrain	0	—	3	—	—	—	—	—	—	—
Djibouti	0	9	—	—	—	—	—	—	110 561	—
Egypt	0	694	651	—	—	—	—	173 463	—	1 673 826
Iran, Islamic Republic of	0	—	—	—	—	—	—	—	—	0
Iraq	0	—	—	—	—	—	—	—	2 170 486	—
Jordan	0	281	—	—	—	—	—	—	—	—
Kuwait	0	—	6	—	—	—	—	—	—	—
Lebanon	0	58	3	—	—	—	—	—	—	—
Libya	0	—	1	—	—	—	—	—	—	—
Morocco	0	—	25	—	—	—	—	—	—	0
Oman	0	2 ^f	3 ^f	—	—	0	—	0	—	0
Pakistan	0	27151	397	—	—	—	—	—	31 683 212	3 127 886
Palestine	0	—	—	—	—	—	—	—	—	—
Qatar	0	11 ^f	36	0	0	0	0	0	0	0
Saudi Arabia ^g	0	1012	9	1	—	0	0	103	5232	—
Somalia	0	781	635	—	—	—	—	578 279	4 904 201	—
Sudan	0	6821	624	—	—	13 393 890	501 181	8 948 450	17 181 009	4 979 841
Syrian Arab Republic	0	52 528 ^f	—	7 ^f	—	—	—	—	—	—
Tunisia	0	6082	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	40	—	—	—	—	—	—	—
Yemen	0	—	367	—	—	—	322 819	3 152 073	5 636 174	1 038 108



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3. MEA. Clinical Research History And Today



3.a MEA. Clinical Research History. First in Human History.

King Nebuchadnezzar and Daniel:

Meat and wine group versus bread and water group for three years.

Result: only bread and water. Group were noticeably healthier and more vivacious than those who were relegated to the wine and meat diet.

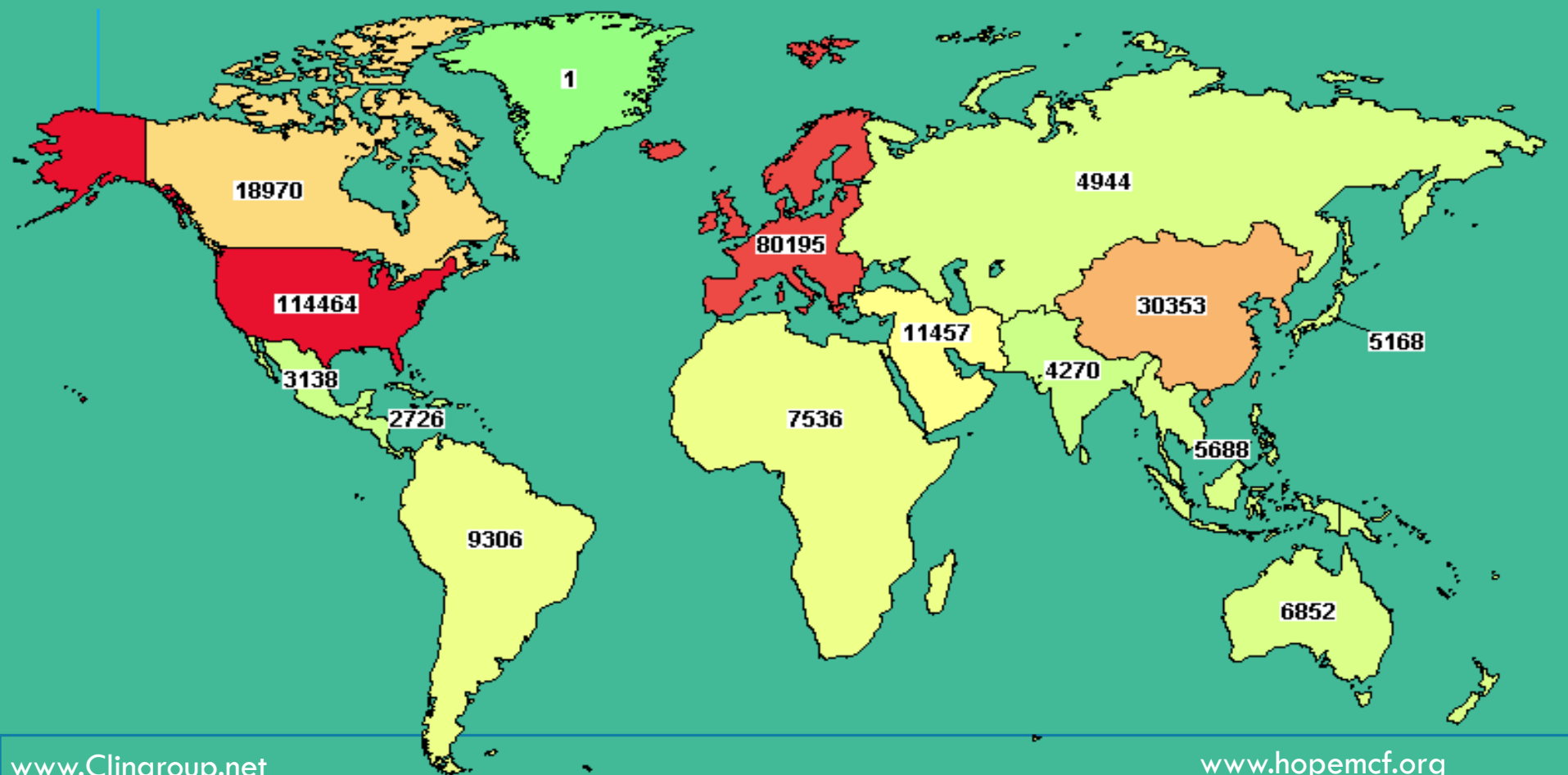


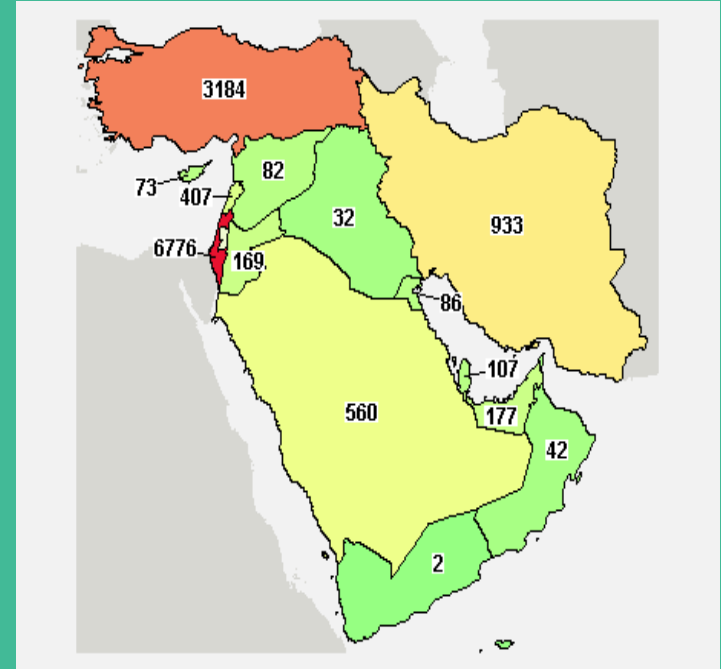
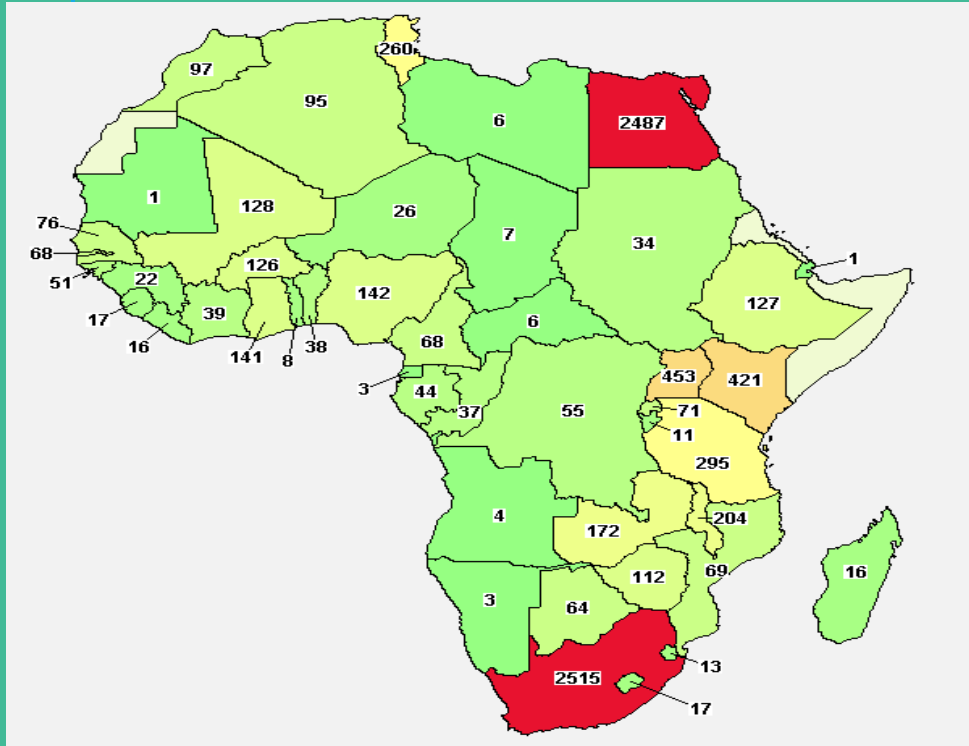
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3.b.: MEA Research Today Numbers of CT

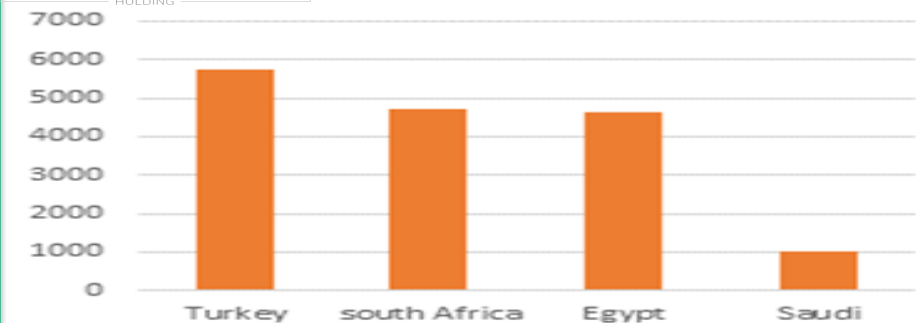




Clinical trials 1'

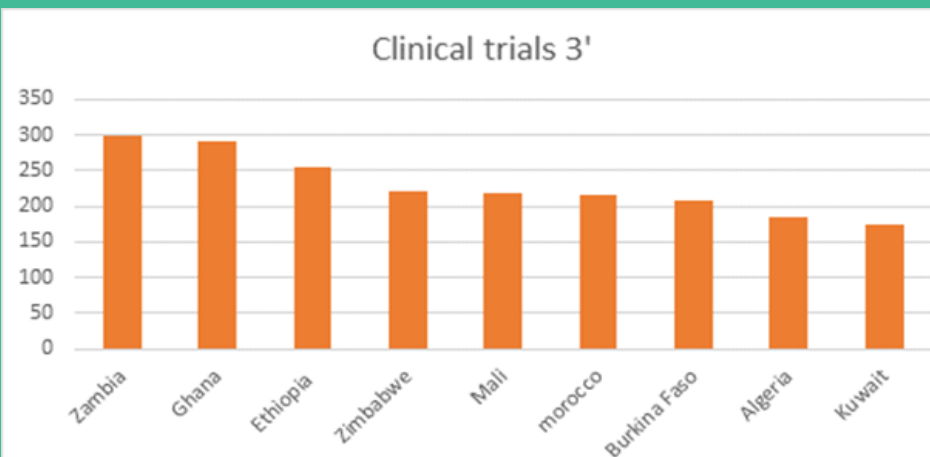
Clinical trials 1

Above 1000 on WHO, PACTR, clinicaltrials.gov

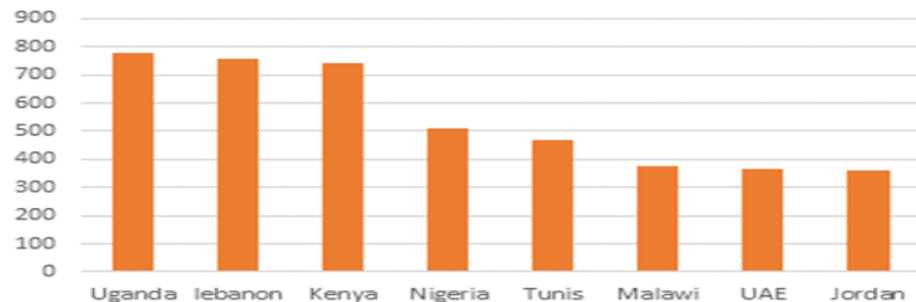


Clinical trials 2

Between 300-1000 WHO, PACTR, clinicaltrials.gov.



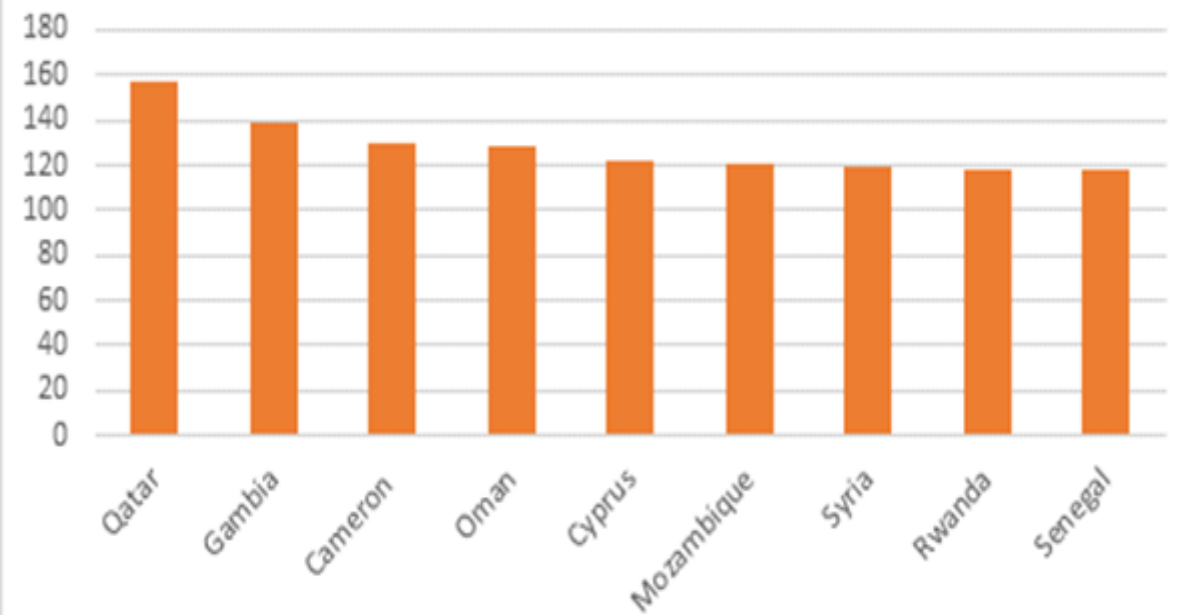
Clinical trials 2'



Clinical trials 3

Between 200-300 WHO, PACTR, clinicaltrials.gov.

Clinical trials 4'



Clinical trials 4

Between 120-150 WHO, PACTR, clinicaltrials.gov.

Clinical trials 1

First Primary CTR

3.b. MEA CT in Numbers: Conclusion

1. **Heterogeneity in Registry major bias**, numbers do not reflect reality
2. According to WHO, idem in any survey, lack of responsiveness do not reflect real data accuracy
3. GREAT NEWS:
 - 3.1. **MAJOR REGULATORY SET UP**
 - 3.2. **MAJOR DIRECT INITIATIVES FOR CLINICAL RESEARCH INFRASTRUCTURES AND GROUPS**



CLINGROUP

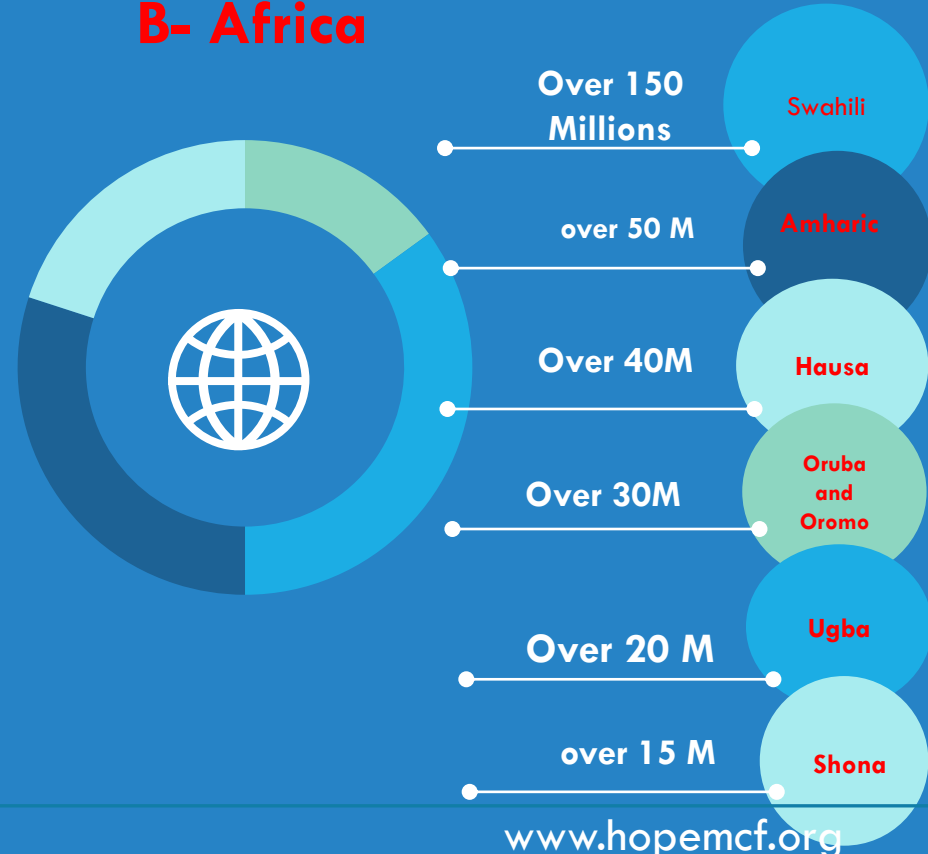
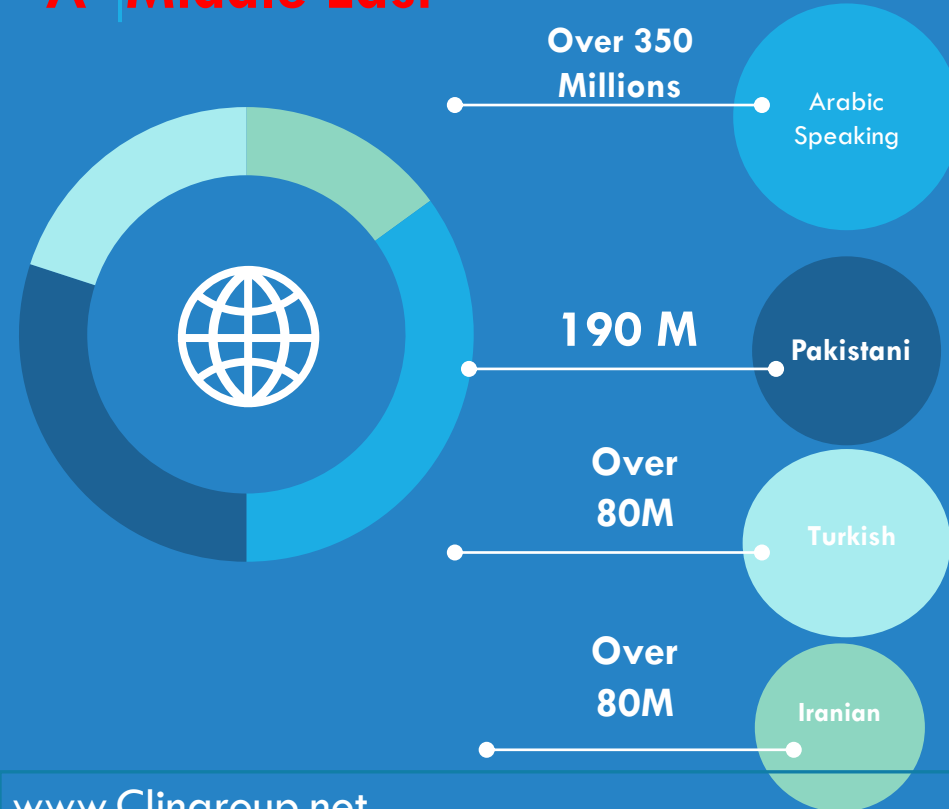
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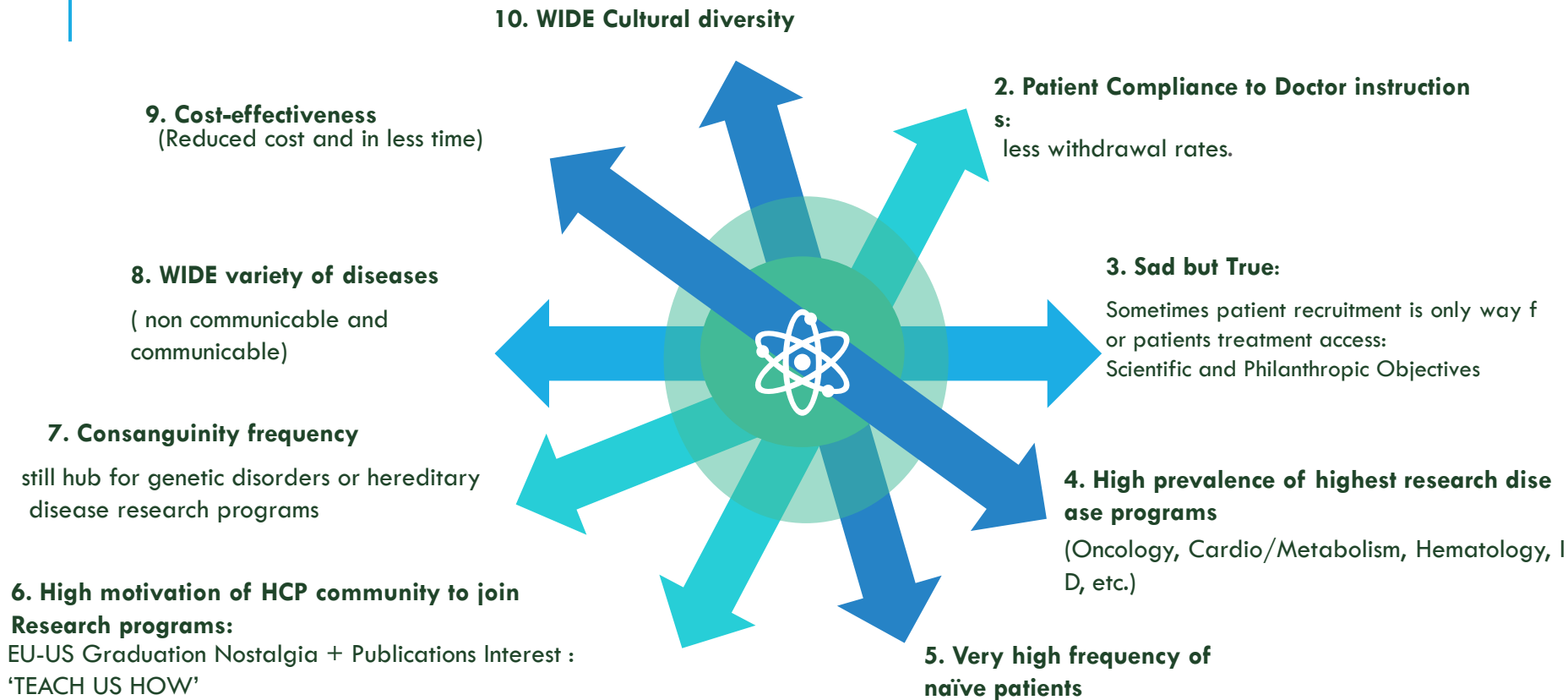
4. Region advantages & challenges: Emerging Market Profile

A- Middle East

B- Africa



4.1. ADVANTAGES: (CONT)



4.2. Regional Clinical Trials Challenges



- 1- Countries regulation
- 2- Infrastructure of Hospitals Research Units- Major Fluctuations
- 3- Stakeholders Compliance with 21 CFR and ICH GCP
- 4- Medical Records availability
- 5- Hospitals and PIs staff training and availability
- 6- Medical and Patients societies awareness on research
- 7- Difficulty finding experienced team
- 8- No local insurance (sponsor private insurance) and low health expenditure.
- 9- Poor infrastructures in rural (roads), logistical challenges
- 10- Political instability
- 11- Tribes with very different dialects and practice
- 12- Low public awareness

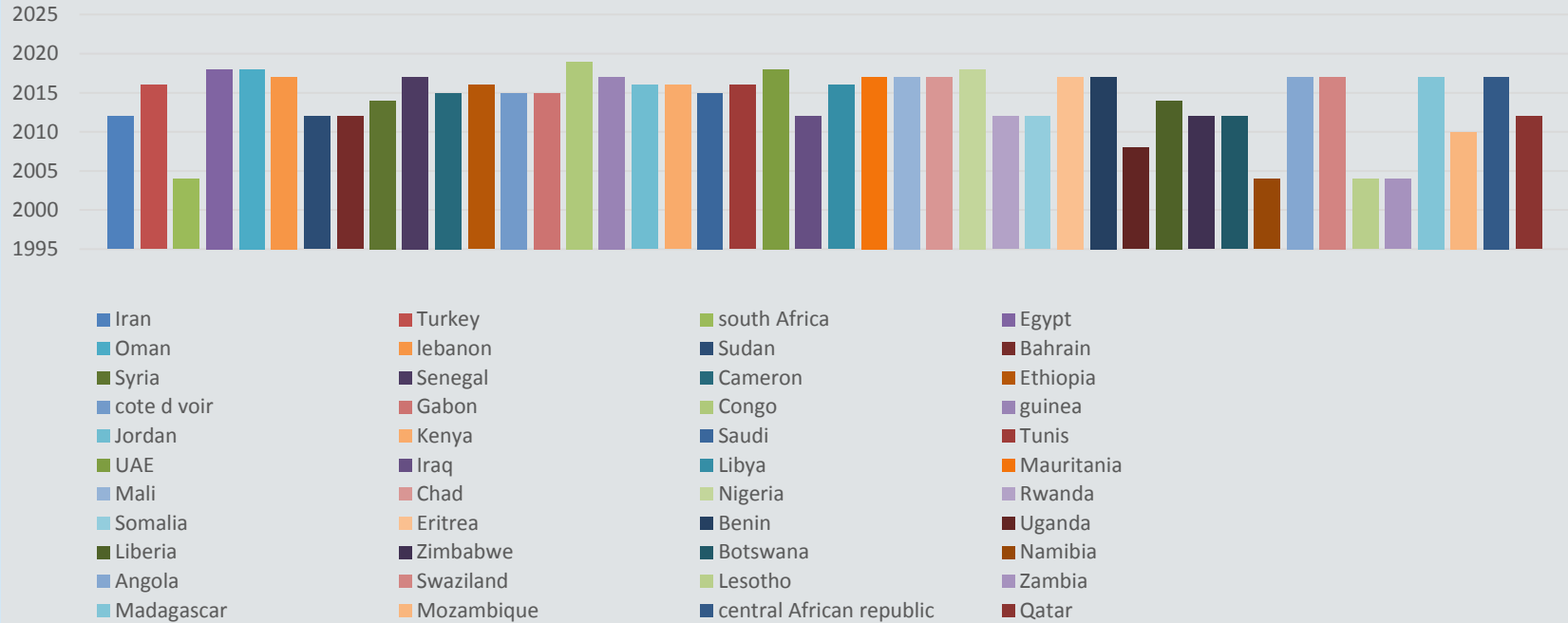


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5.2 Regional Regulations of CT





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6. Great Evolution in Movement 2015-

6. Great Evolution in Movement

1- More and more Projects of Law dedicated to Clinical Research
(Turkey, KSA, Jordan, KSA were first. Kenya, Tunis since 2016 latest 2018 Eg, Oman, UAE, Nigeria)

2- Scientific Societies Research Collaborative Groups
Initiatives (2015-2019):

Oncology- Pediatric, Genetic & Rare Diseases- Hepatology- Infectious- Metabolism- CardioVascular

3- Training and Education Programs within healthcare
faculties/HC scientific societies



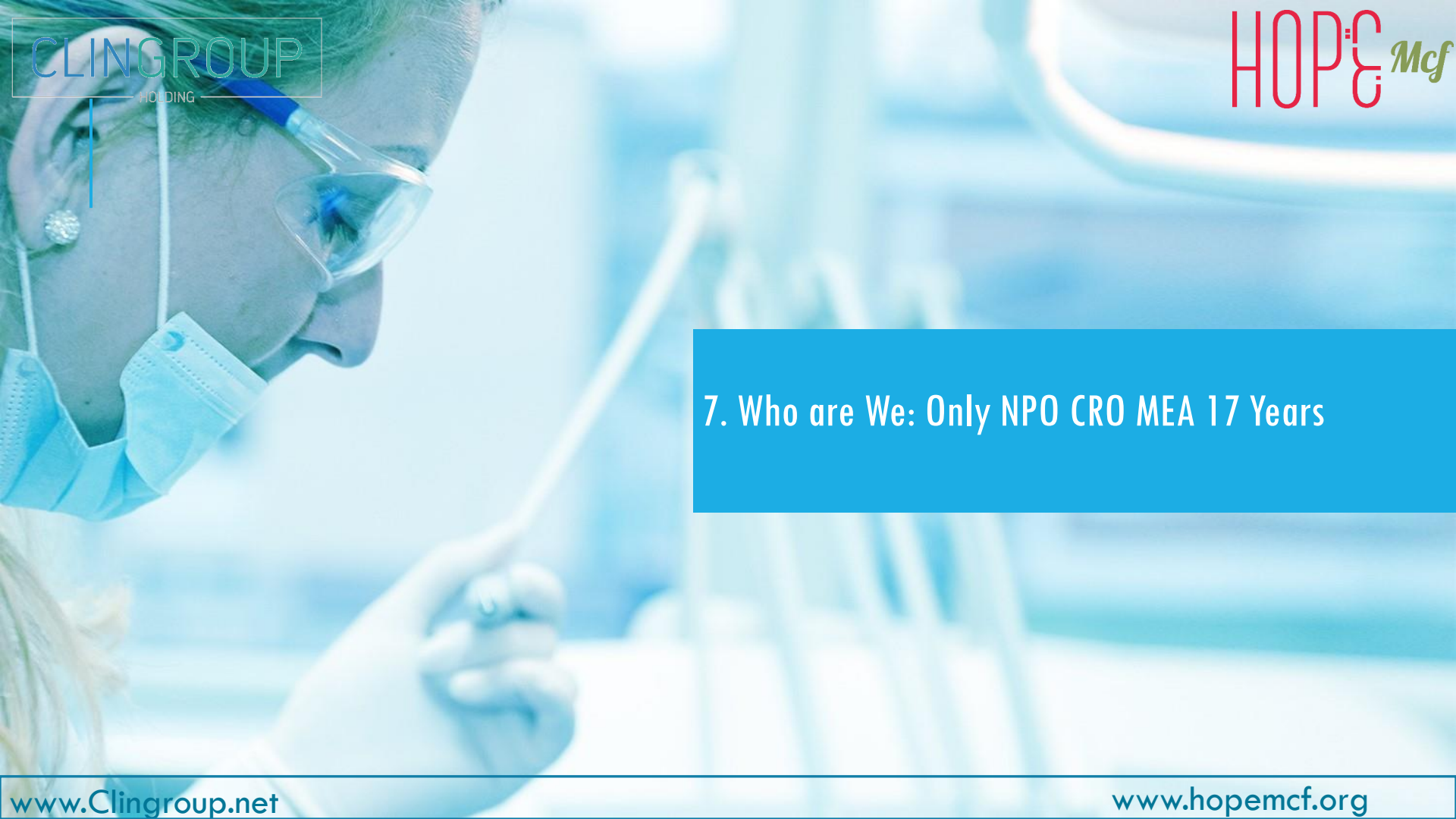
6. Great Evolution in Movement

4- More and More Primary CTRs set-up (Pan Africa, Lebanon, Iran, On way: Jordan, Saudi, Egypt,..)

5- Clinical Research Units Network Creation

6- MEA CROs Alliance





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7. Who are We: Only NPO CRO MEA 17 Years

Geographical Presence

HOPC *Mcf*

ClinGroup HQ

Lebanon

Lebanon, Beirut, General Zein,
Renno Bldg, PoBox 116-5262 Beirut

UAE

UAE, Masdar City, Khalifa City
'A' Opposite Presidential Flight,
Abu Dhabi

Egypt

20 Adel Rustom St., 2nd Floor,
Dokki, Giza, Egypt

ClinGroup Joint Ventures

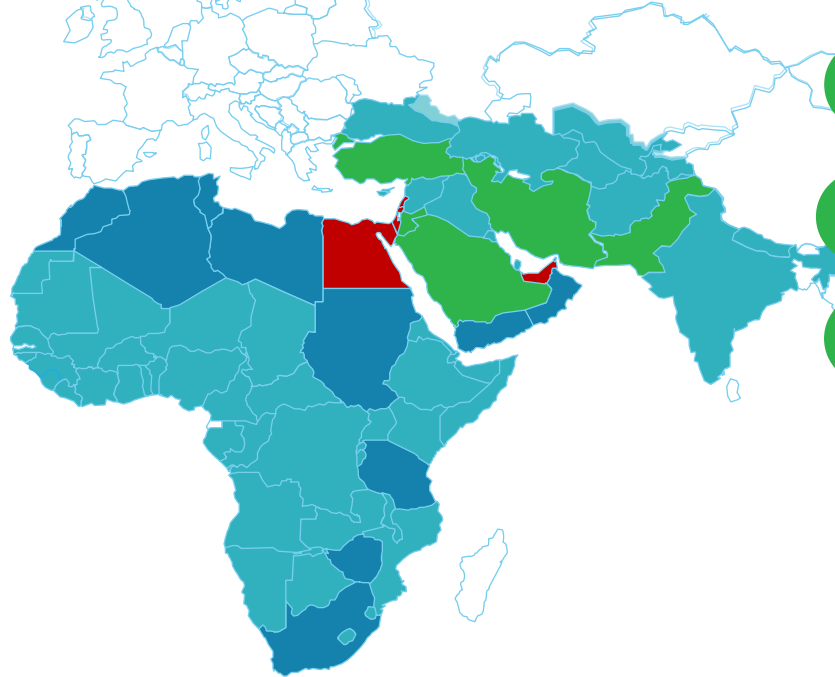
Pakistan

KSA

Turkey

Iran

Coverage/Alliances



Clingroup operating in Middle East, Gulf, Africa, Turkey, and Persian countries.

7.2. The Corporate Journey. Business Units Division in Emerging Market



ClinServ

Project Management
and Monitoring



ClinFo 1T

Health Info
Management
Pre/Post Registration



ClinPharm

Regulatory and
Logistics

ClinPHARML



CRUise

SMO



ClinAcademy

Trainings &
Education Programs



QSI Paris

Quality and Auditing



Quality Systems International

In addition to its own program (see Hunity), Hope MCF is patron of several major national and regional programs including:

A- HEALTHCARE

A.I. RESEARCH (Women, Children, Elderly)

1. Cancer research programs in middle east region with Lebanese doctors' Order and African Middle East Groups.
2. Sickle Cell Disease program for American University of Beirut
3. Cancer Research Grants for Lebanese Universities students: AUB, USJ, USEK, LU PhD
4. Elderly Care Global Arab Survey and Strategy contribution to Arab League. Council Ministers of Social Affairs

A.II QUALITY : Sustainability and Prevention

1. Rehabilitation of Primary healthcare centers. Contribution to Lebanese MOH
2. Rehabilitation and Physical Therapy Practices Quality Development to WHO Lebanon

A.III. AWARENESS Women Health

1. Cervical Cancer Awareness Program with Lebanese GynecoOncology Group
2. Women Vitamins deficiency awareness & treatment program Contribution to Epidemiology Society

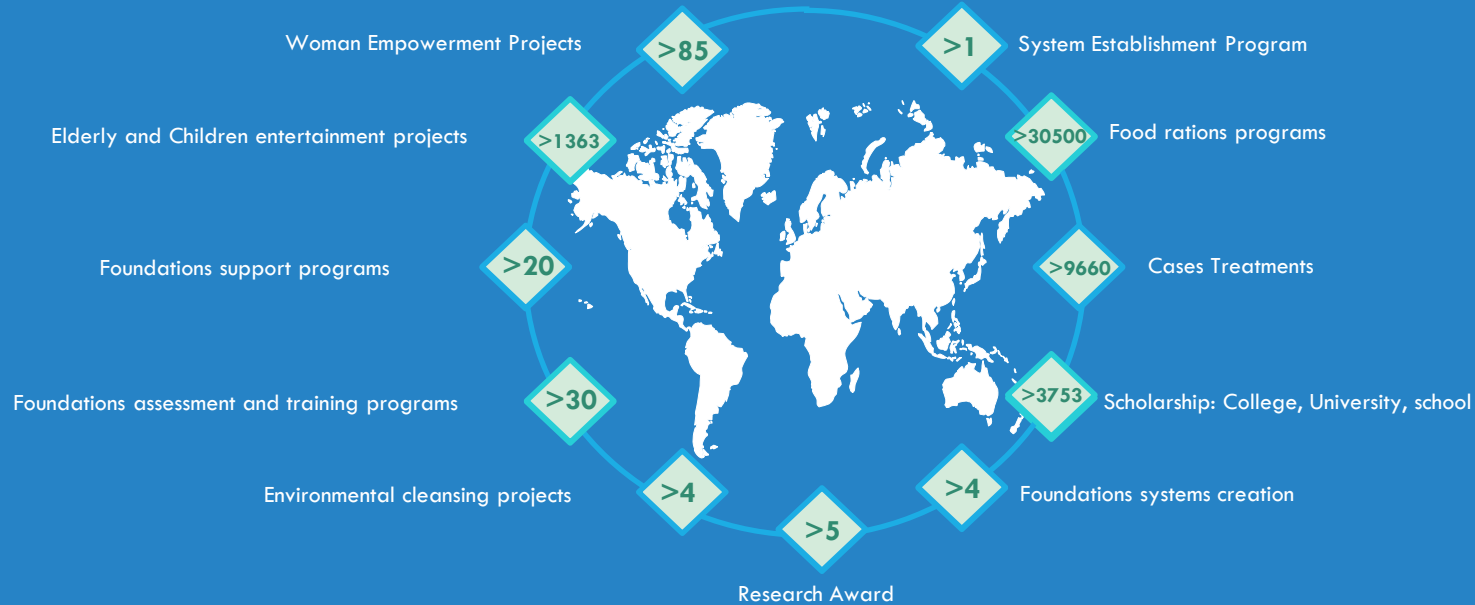
B- Social & WE

1. Foundations quality assessment & training with ministries of social affairs and interior and UNDP.
2. Best idealistic NGO Award and Standards program with UNDP, Paris, Ministry Social Affairs
3. Social responsibility programs with Ministry of Social Affairs & Ministry of Economy & Trade.
4. Professional Education and Financial Support Women Empowerment Program within Syrian Palestinian Iraqis refugees foundations camps

C- Education

1. 10 Years Education Grants for Lebanese Schools & University
2. Children Road Safety awareness program with GNK

3. Foundation — 2008-2018 Numbers



4. Our Sustainable programs 2019: Corporate and Foundation hand in hand

1. CORPORATES SUPPORTING NGOS ALSO IN HEALTH SYSTEM AND RESEARCH:



2. SUCCESSFUL WOMEN SUPPORTING AMBITIOUS WOMEN: ECONOMY AND HEALTH



3. WEALTHY CHILDREN SUPPORTING NEEDY IN DAILY LIFE OCCASIONS INCLUDING HEALTH



The background of the slide features a pair of hands, one holding a small globe of the Earth and the other holding a small green tree with soil at its base. The entire scene is set against a light blue sky with soft, out-of-focus clouds. A semi-transparent white rectangular box is centered over the image, containing two quotes.

Jack Welsh:

*Before You are a Leader, Success is all about yourself,
Once you become a leader, Success is all about others'*

Albert Einstein:

*Not Everything That Counts Can be counted,
Not Everything that can be counted counts*

CLINGROUP

HOLDING

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