



Achievements Report of the
Egyptian Society of Nephrology & Transplantation
[ESNT]
ERA-EDTA Innsbruck
National Organizations Meeting
10th 11th October 2015

Dr Gamal Saadi
Prof of Int Med & Nephrology
Cairo University

Establishment

- 1987
- www.ESNTONLINE.net
- Central Office
 - Fostat region 2nd compartment
 - Facing Tourism police, Salah Salem road
 - 19 c

Members

- Active members (October 2015): 1730
- Associate members: 650

Chapters

- Dialysis
- Hypertension
- Transplantation
- Stem Cell Therapy
- CKD
- Critical Nephrologic Care
- CNE
- Egyptian Renal Registry

Chapters' Meetings

- 4th Stem Cell Therapy Chapter Meeting
14th May 2015 .. Cairo
- 1st Nephrology Critical Care Chapter Meeting
6th - 7th August 2015 .. Ismaileya
- 7th Dialysis Chapter Meeting
10th – 11th September 2015 .. Cairo
- 1st CKD Chapter Meeting
26th – 27th November 2015 .. Cairo
- 13th Transplantation Chapter Meeting
14th – 15th January 2016 .. Cairo



الجمعية المصرية لأمراض وزرع الكلى
المؤتمر السنوي الأول لشعبة العلاج بالخلايا الجذعية
الخميس 2009 / 4 / 2

ESNT - Stem Cell Therapy Branch
First Annual Meeting



Prof.
G. Saadi



Prof.
Ahmed El-Khaznabi



Prof.
Sahry Gabr



Prof.
Maher Fouad

رئيس المؤتمر

رئيس شرف المؤتمر

رئيس الجمعية

أعمال استشاري

د.أ. عمر

د.أ. عصام شحضر



Egyptian Society of Nephrology and Transplantation
The Fourth Annual Stem Cell Therapy Chapter Meeting

Stem Cell Therapy in Nephrology and Transplantation Practice



Annual Congress



- 34th Annual ESNT Congress
23rd – 26th February 2016

CNE Institutional Activities

- 1st Menoufeya University Nephrology CKD-MBD
23rd March 2015
- Tanta University Nephrology day
31st March 2015
- Assiut University Nephrology Meeting
8th - 10th April 2015
- Nephro Alex
21st – 22nd May 2015
- Ain Shams Dialysis
October 2015

CNE Institutional Activities

- Mansoura University Hospital annual meeting
- Mansoura Urology and Nephrology Centre annual meeting
- New Mansoura general Hospital meeting (Ministry of Health)
- Kasr AlAini
 - Emergency Practice updating
 - Critical Nephrologic Care Management
 - Renal Week
 - Kidney Biopsy hands on

ESNT Training

- ESNT young Nephrologists and Nurses training and Skills development in Sister training Satellite Centers including:
 - Cairo University Hospitals
 - Ain Shams University Hospitals
 - Alexandria University Hospitals
 - Mansoura Transplantation Center
 - El-Matareya Teaching Hospital
 - Ahmed Maher Teaching Hospital
 - Cairo Kidney Center
 - Arab Contractors Medical Center

Training Grants

- 20 Grants National
- 10 Grants Arab & African

Training Grants

- Candidates may apply for a travel and accomodation grant which would be supplied by the ESNT on priority of request and availability at time of application.
- Support grants will be requested from Ministry of exteriors as well as pharmaceutical companies

ESNT training practices

- 3 months pediatric or adult **hemodialysis** including principles, techniques, care for vascular access, management of complications and registry.
- 3 months **critical care nephrology** including cardiopulmonary assistance , acute peritoneal dialysis, acute hemodialysis, slow continuous replacement therapies and Plasmapheresis. As well as attending ultrasonography and Duplex assessments
- 3 months **Nephrology care** including care for kidney biopsies, management for nephrotic cases, as well as chronic kidney disease.
- 3 months pediatric or adult **transplantation** practice including preparation, operative procedure, postoperative care and post transplant follow up and registry.

ESNT training practices

Candidates would attend educational courses of

- infection control,
- fluid replacement,
- complications of acid base and electrolyte imbalance,
- nutrition principles,
- drug administration and interaction and complications of immunosuppression.

This will be in the training unit and during the meetings and conferences of the society.



ESNT Annual Activities



Leading European Nephrology

ERA-EDTA endorses all the ESNT
educational 2015 – 2016 educational
activities



JESNT
ISSN:2356-9387

- Review articles
- Protocols and Projects
- Clinical cases
- Original articles
- Events reports
- Evaluation of clinical trials

ology |



ERA - EDTA



GRESS SATELLITE MEETINGS



ERA-EDTA CARES



ERA-EDTA FELLOWSHIPS

LONG-TERM FELLOWSHIPS

For 1-2 years, with support to travel, living expenses, and research materials. Open to all eligible researchers (see website for more information).

SHORT-TERM FELLOWSHIPS

For 1-3 months, with support to travel, living expenses, and research materials. Open to all eligible researchers (see website for more information).

Deadlines to apply for 2008-2009 fellowships are April 15 and October 15 every year.

For all the information in the ERA-EDTA website, visit www.era-edta.org



33rd



ANNUAL CONGRESS OF THE EGYPTIAN SOCIETY OF NEPHROLOGY AND TRANSPLANTATION



The Accreditation Review Committee (ARC) of the American Association of Continuing Medical Education (AACME) designates this medical education activity for a maximum of **30.00** hours in the Category 1 credit of the AACME Designation.

**30
HOURS**

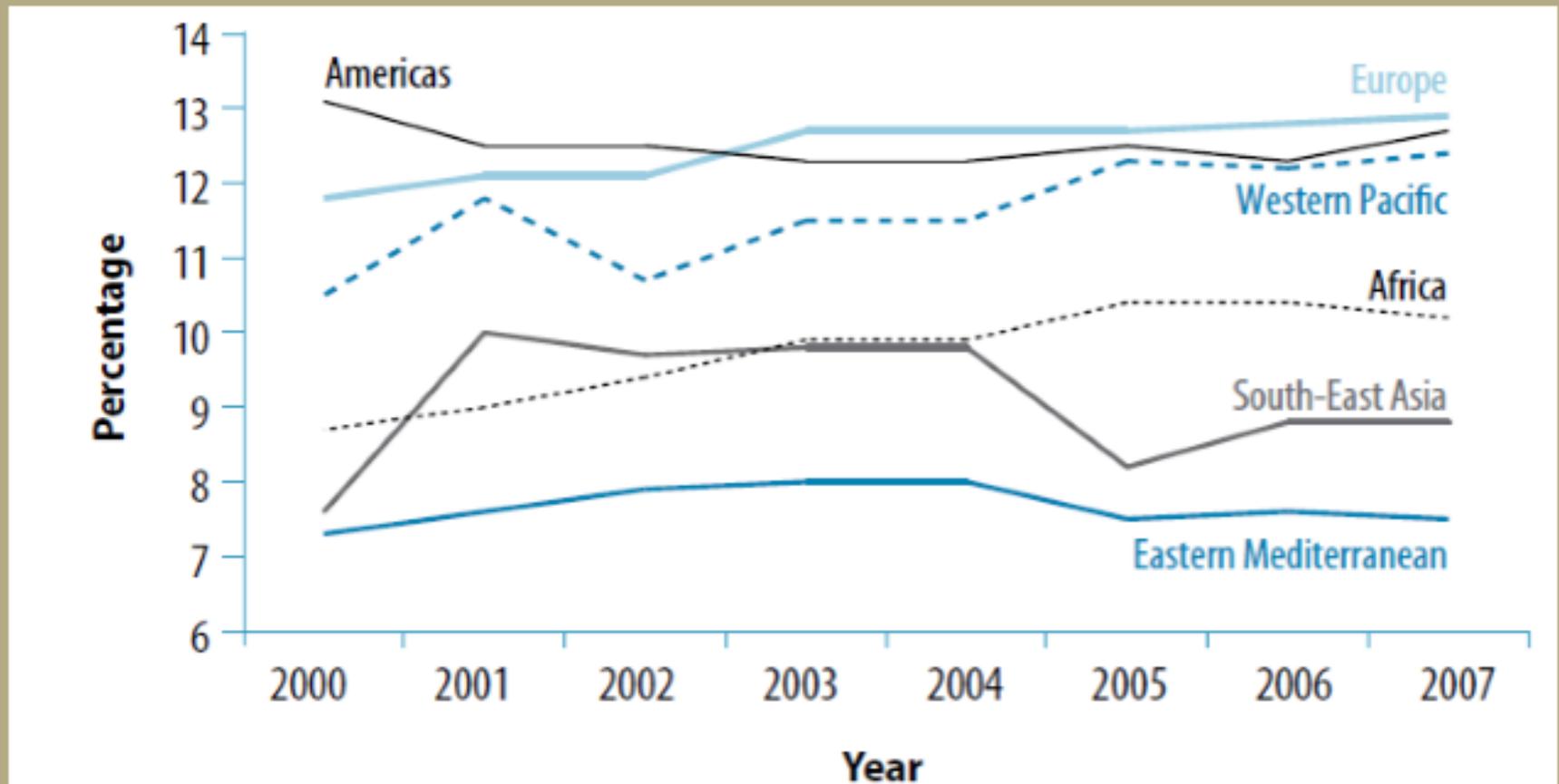


Intercontinental City Stars - Cairo

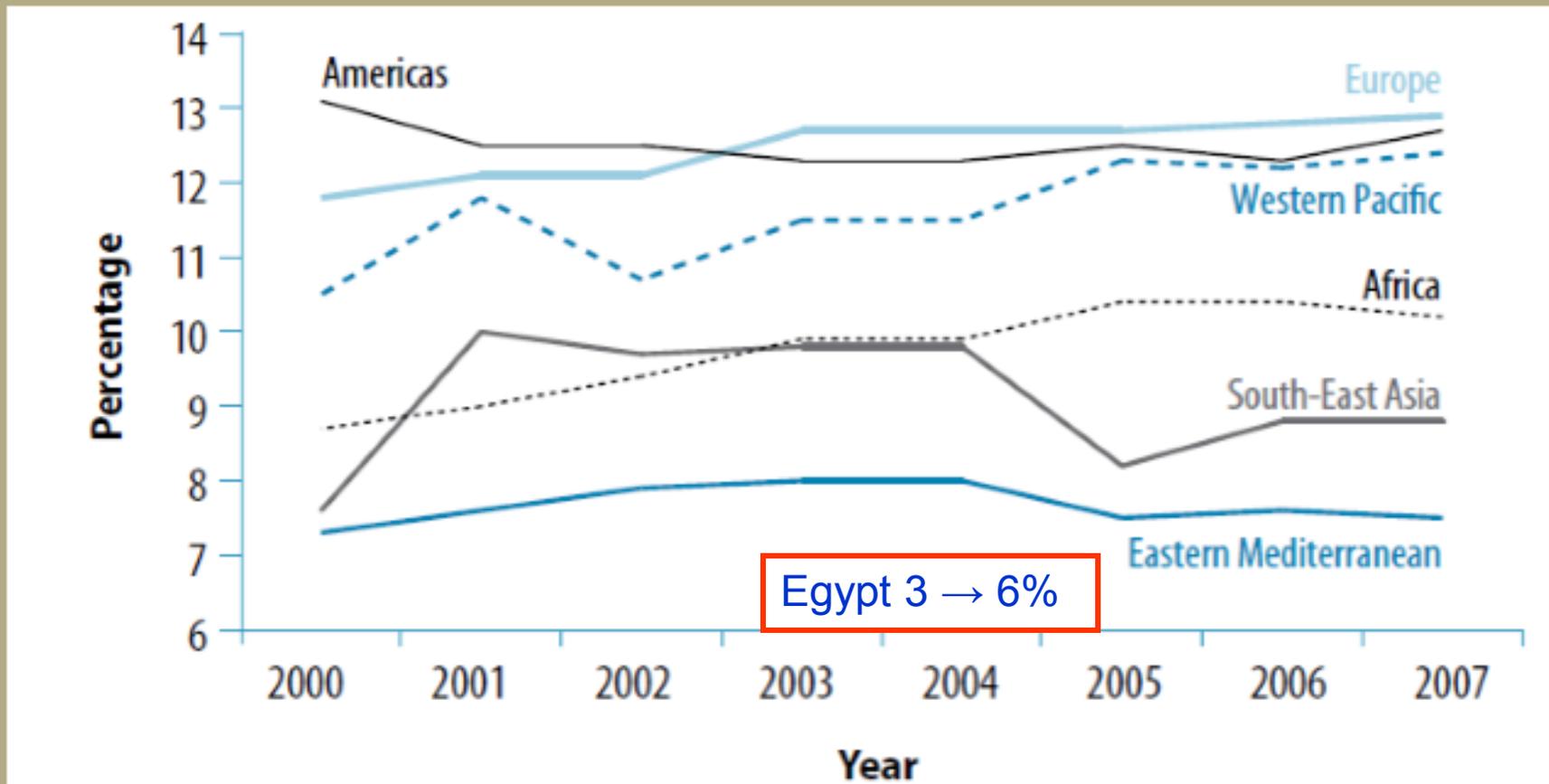
24 - 27 February 2015

www.esntcongress.org

Government spending on health as a percentage of total expenditures by WHO region (2000–2007)



Government spending on health as a percentage of total expenditures by WHO region (2000–2007)





NKF Targets



- Detection extent of problems
- Upgrading awareness and educational standards
- Stratify impact on community
- Prioritize services
- Fiscal priorities
- Promoting the contribution to preventive and management policies

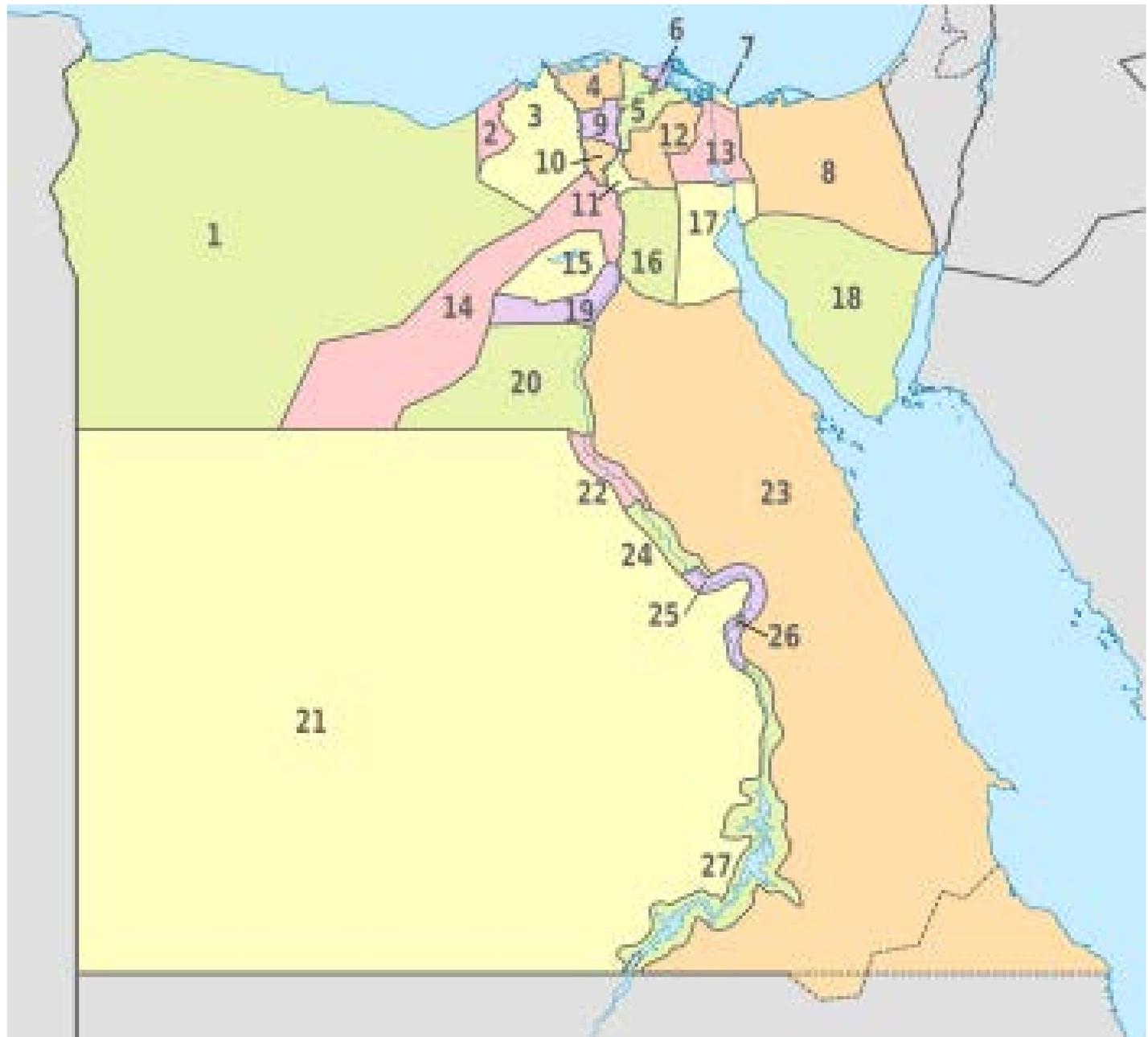


NKF activities



- Screening / Outreach approach
- Medical campaigns with M.O.H.
- Identify magnitude of problems
- Recognize the needs
- Advancing knowledge and awareness
- Emphasize mass **Preventive** / ttt policies
 - Schistosomiasis ... single oral ttt era
 - Hypertension
 - Diabetes mellitus
 - HCV ... DAA era
- Implement Cost-effective health care options

1. Matrouh
2. Alexandria
3. Beheira
4. Kafr el-Sheikh
5. Dakahlia
6. Damietta
7. Port Said
8. North Sinai
9. Gharbia
10. Monufia
11. Qalyubia
12. Al Sharqia
13. Ismailia
14. Giza
15. Faiyum
16. Cairo
17. Suez
18. South Sinai
19. Beni Suef
20. Minya
21. New Valley
22. Asyut
23. Red Sea
24. Sohag
25. Qena
26. Luxor
27. Aswan





Historical populations in thousands

Year	Pop.	±% p.a.
1882	6,712	—
1897	9,669	+2.46%
1907	11,190	+1.47%
1917	12,718	+1.29%
1927	14,178	+1.09%
1937	15,921	+1.17%
1947	18,967	+1.77%
1960	26,085	+2.48%
1966	30,076	+2.40%
1976	36,626	+1.99%
1986	48,254	+2.80%
1996	59,312	+2.08%
2006	72,798	+2.07%
2013	84,314	+2.12%

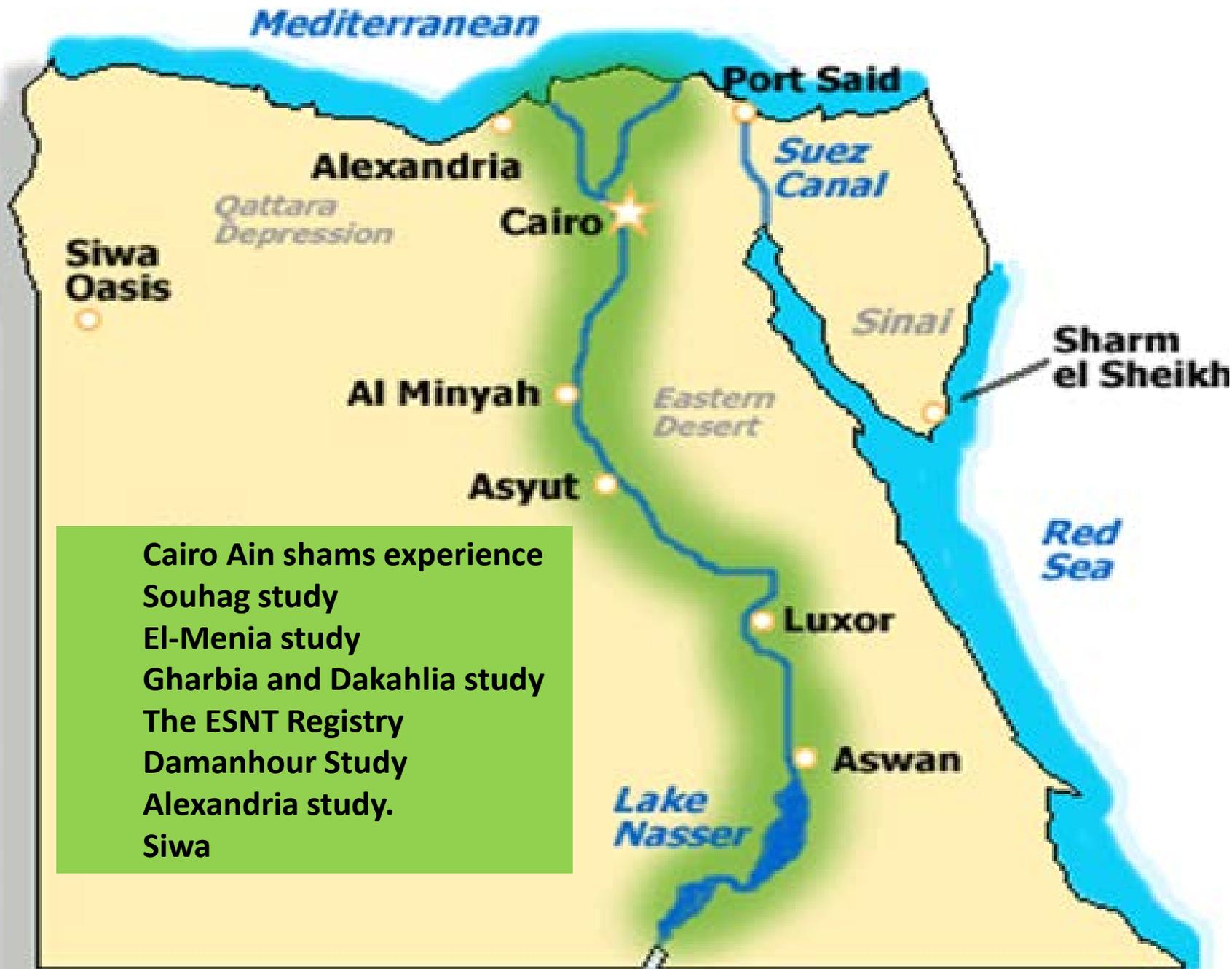
Source: Population in Egypt^[5]

Largest cities or towns of Egypt

world-gazetteer Estimates for 2012 

Rank	Name	Governorate	Pop.	Rank	Name	Governorate	Pop.
1	Cairo	Cairo	8,105,071	11	Asyut	Asyut	403,202
2	Alexandria	Alexandria	4,388,219	12	Ismailia	Ismailia	352,411
3	Giza	Giza	3,348,401	13	Faiyum	Faiyum	338,959
4	Shubra El-Kheima	Qalyubia	1,072,951	14	Zagazig	Al Sharqia	314,331
5	Port Said	Port Said	607,353	15	Damietta	Damietta	299,296
6	Suez	Suez	547,352	16	Aswan	Aswan	281,891
7	Luxor	Luxor	487,896	17	Minya	Minya	253,767
8	Mansoura	Dakahlia	480,494	18	Damanhour	Beheira	252,017
9	El-Mahalla El-Kubra	Gharbia	458,297	19	Beni Suef	Beni Suef	223,789
10	Tanta	Gharbia	437,793	20	Hurghada	Red Sea	223,124

Rank 6th world cities



Cairo Ain shams experience
Souhag study
El-Menia study
Gharbia and Dakahlia study
The ESNT Registry
Damanhour Study
Alexandria study.
Siwa









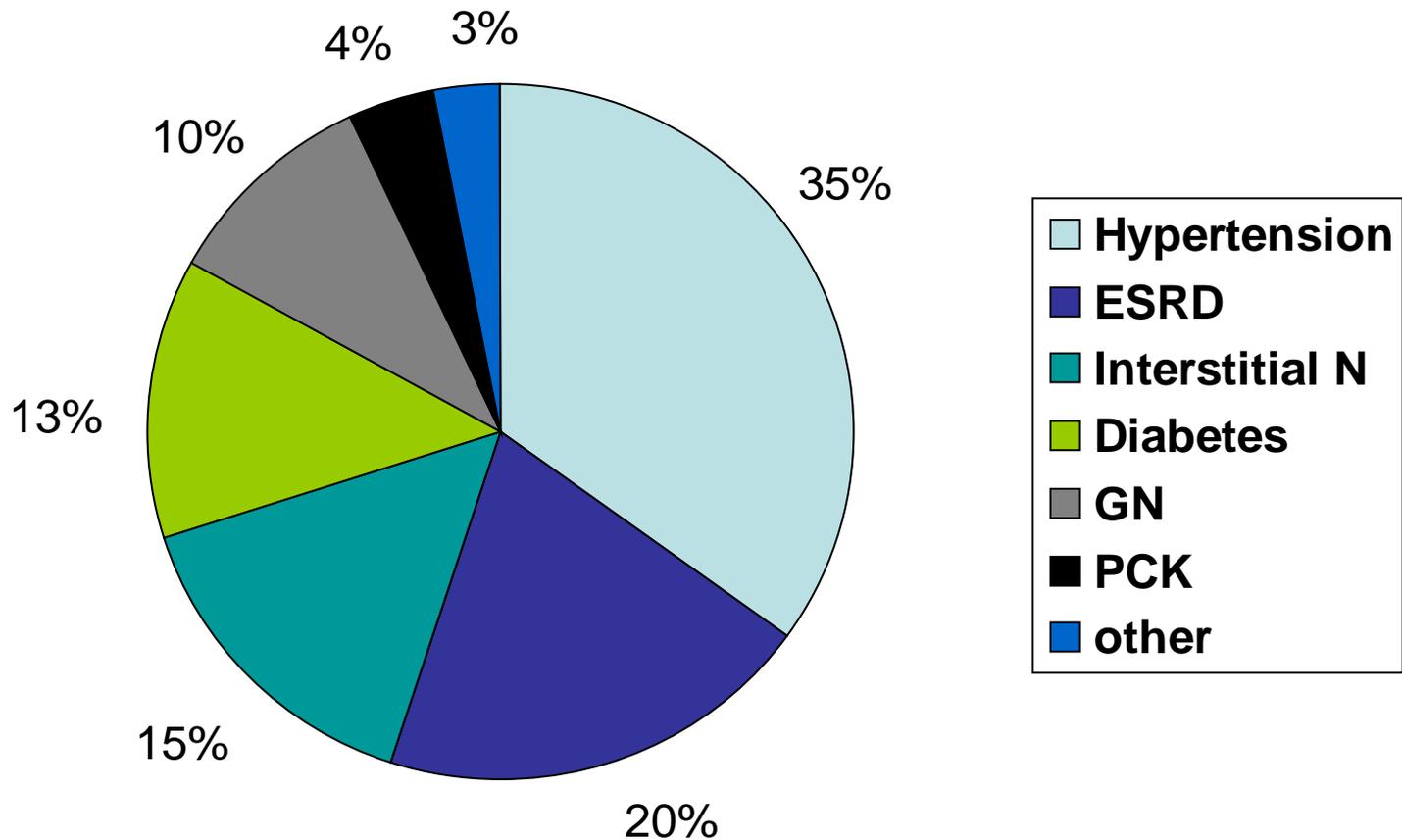
Kidney Disease
2014
Knowledge Matters

19/02/2014

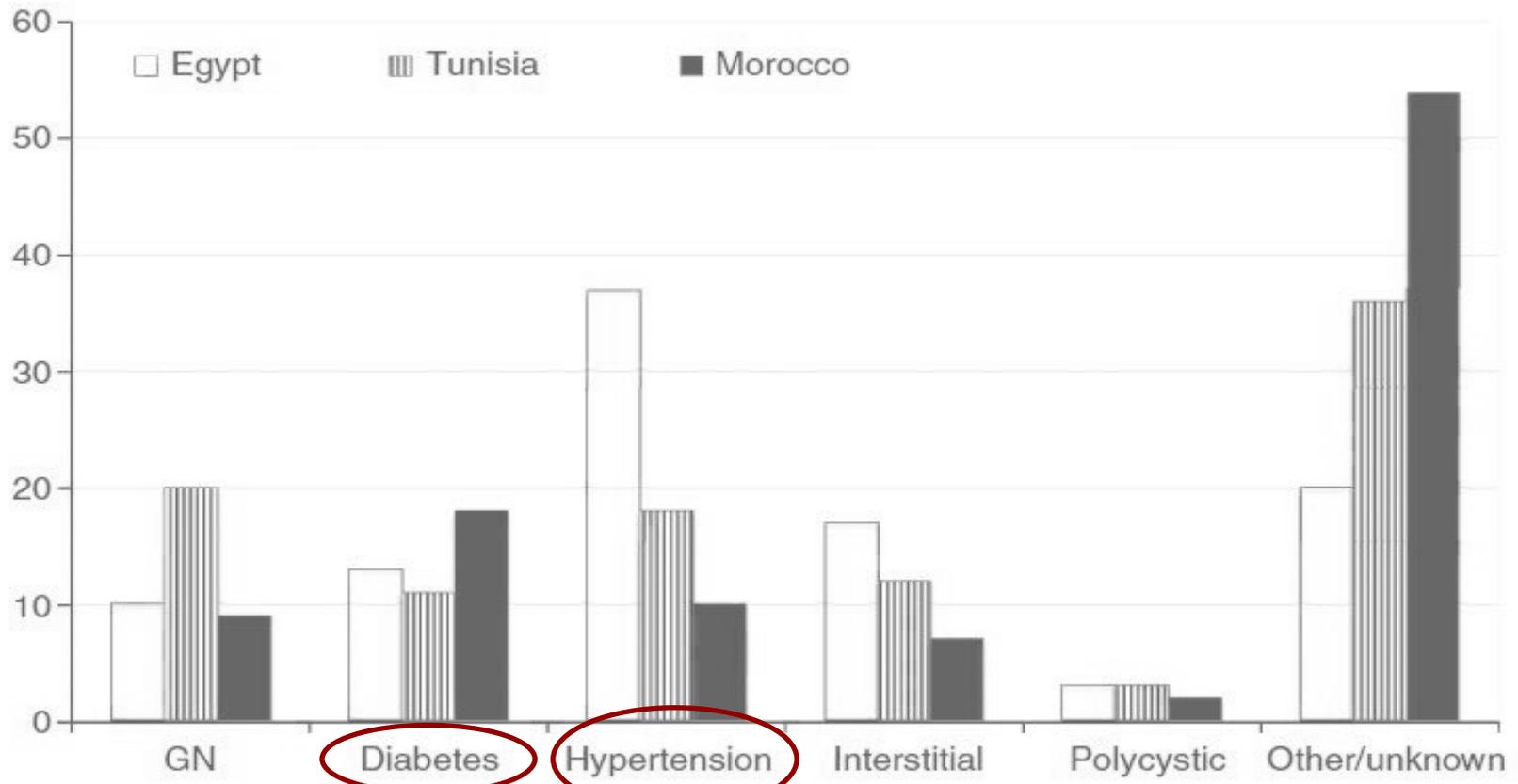
Outlines

- Extent of problems
- Screening to put map for services and direct resources
- Unify screening programs
- Simplify screening programs
- Utilize governmental and international (WHO) resources
- Early referral
- Prevention policies
- Education for hazards
- Water resources
- Environmental contaminants

Aetiology of CKD in Egypt



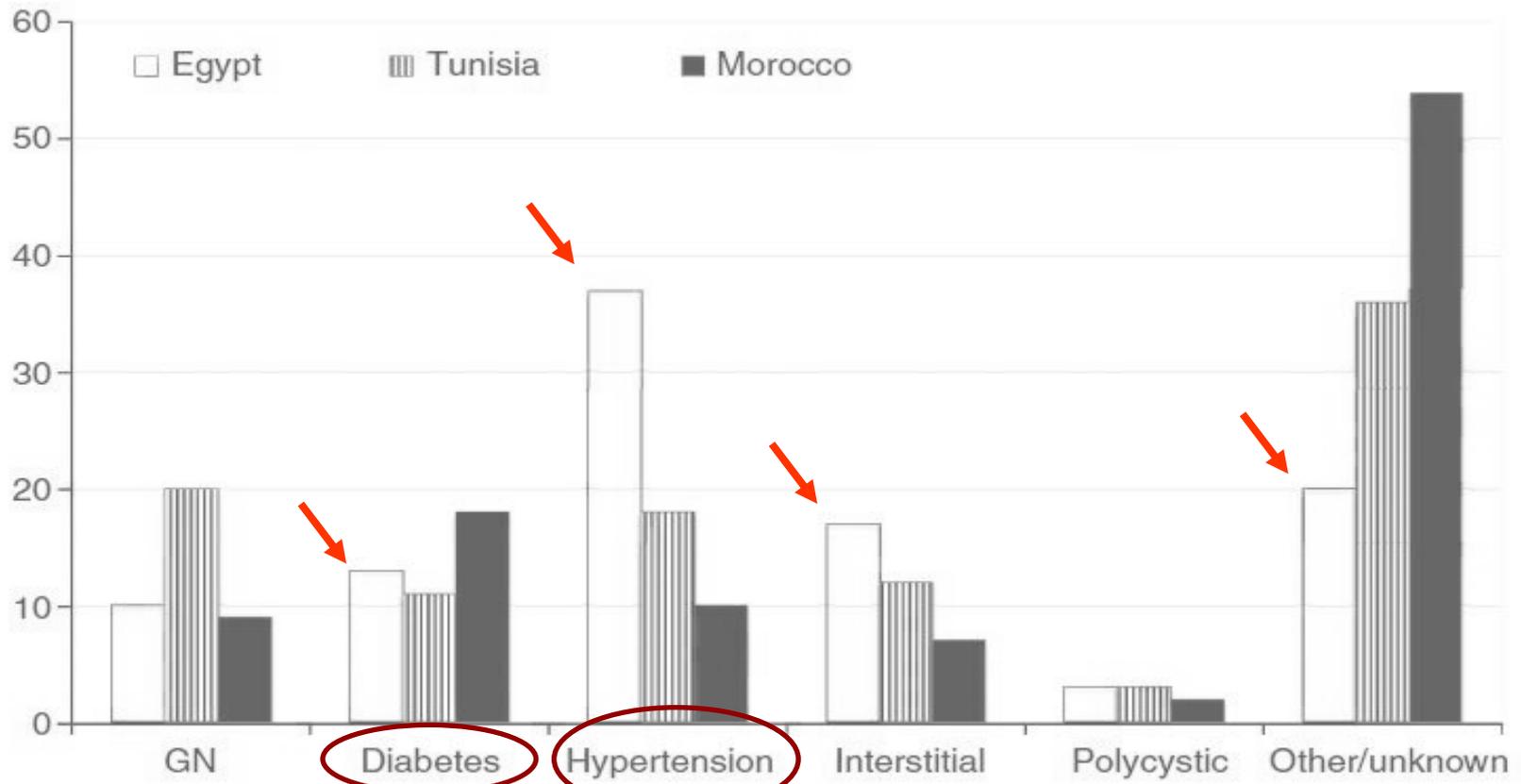
Current proportional contribution of the most common causes of ESRD in North African countries



GN: Glomerulonephritis

Rashad S. Barsoum. *Kidney International Supplements* (2013) 3, 164–166

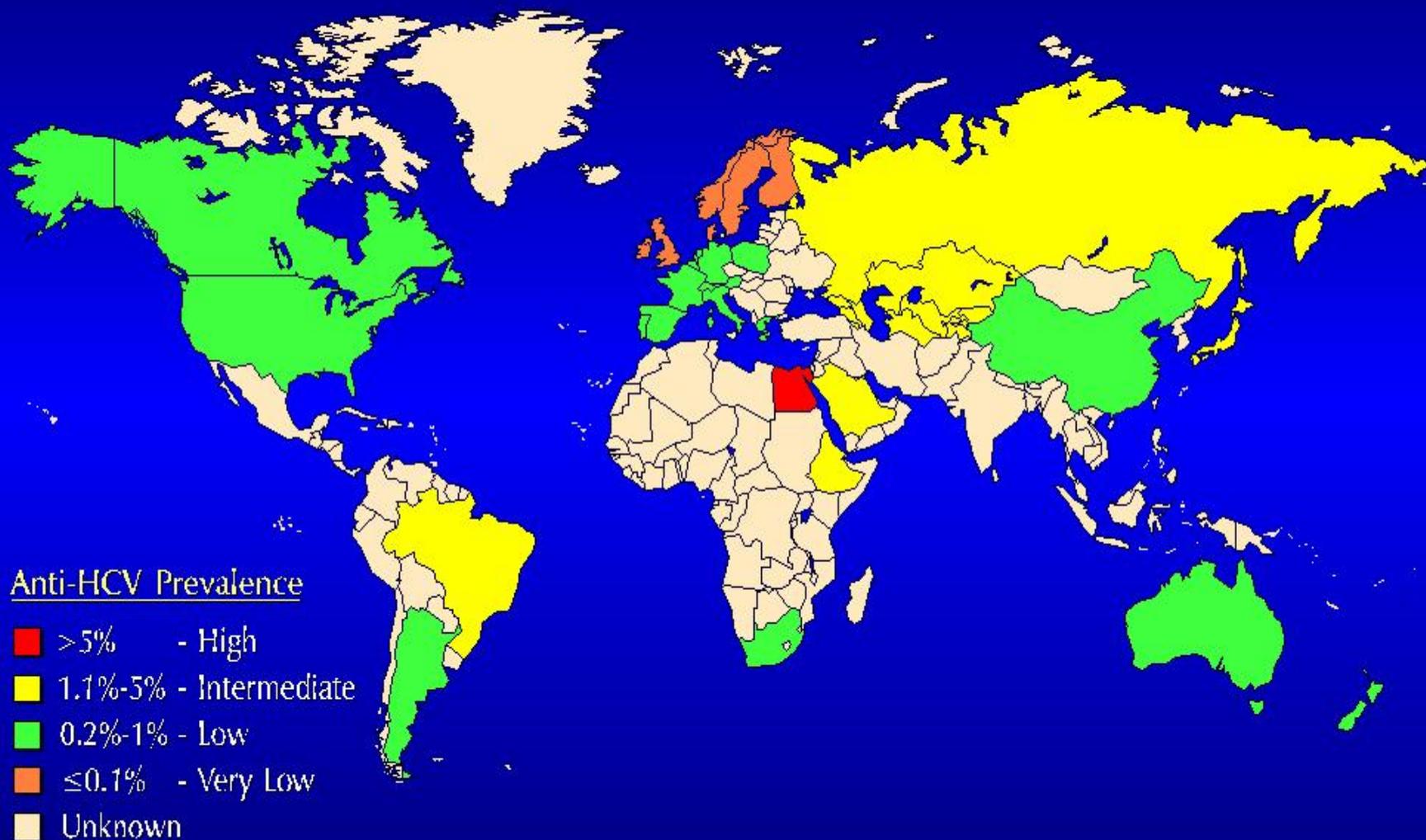
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Prevalence of HCV Infection Among Blood Donors*



* Anti-HCV prevalence by EIA-1 or EIA-2 with supplemental testing; based on data available in January, 1995.

Recommendation For Treatment Of HCV Infection With Extrahepatic Manifestations- An Egyptian Perspective... Barsoum RS, et al, 33rd ESNT Febr 2015



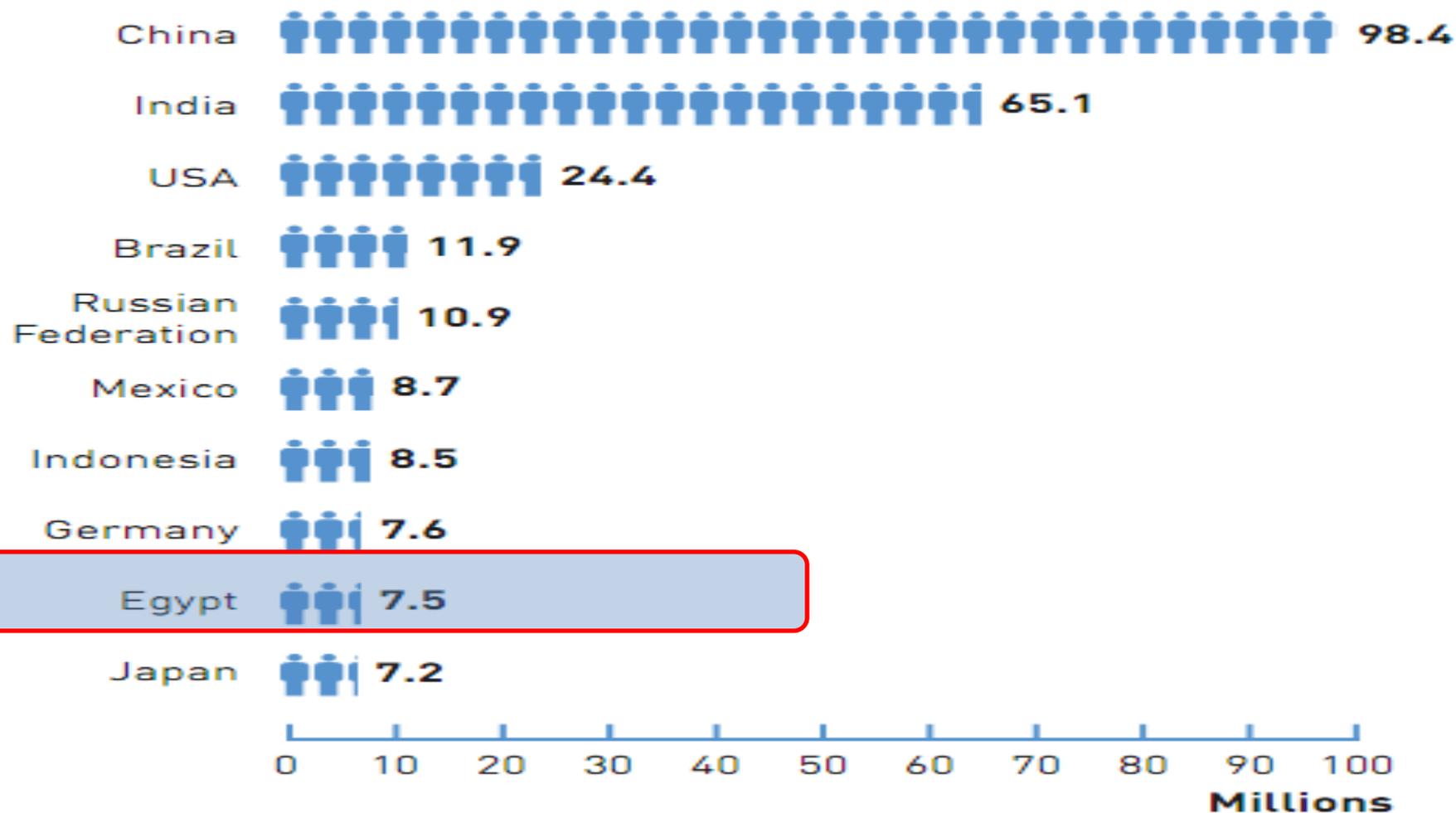
	Compensated cirrhosis				Decompensated cirrhosis			Post Transplant
	GFR >30 mL/min		GFR < 30 mL/min		GFR >30 mL/min	GFR < 30 mL/min		
	Naive	IFN-Experienced	Not on Dialysis	On Dialysis		Not on Dialys	On Dialys	
Paritaprevir (150 mg) + Ritonavir (100 mg) + Ombitasvir (25 mg) + RBV (weight-based)	1 st Choice Class I, LB (12 weeks)	1 st Choice Class IIa, LB (12 weeks)	1 st Choice (Opinion) Adjust RBV dose (12 weeks)	1 st Choice (Opinion) Adjust RBV dose (12 weeks)	-	-	-	2 nd Choice (Pearl 1 RCT) (12 weeks)
Harvoni [ledipasvir (90 mg) + sofosbuvir (400 mg)]	2 nd Choice Class IIb, LB (12 weeks)	2 nd Choice Class IIa, LB (12 weeks)	-	-	Alternative 1 st Choice With anemia or RBV intolerance Class IIb, LC (24 weeks)	-	-	3 rd Choice (Class I, LB) (24 weeks)
Sofosbuvir (400 mg) + Simeprevir (150 mg)	4 th Choice Class IIb, LB (12 weeks)	-	-	-	-	-	-	-
Sovaldi Sofosbuvir (400 mg) + RBV (weight-based)	3 rd Choice Class IIa, LB (24 weeks)	3 rd Choice Class IIa, LB (24 weeks)	-	-	-	-	-	3 rd Choice FDA-Approved (24 weeks)
Sovaldi Sofosbuvir (400 mg) + RBV (weight-based) + PEG-IFN	5 th Choice Class II, LB (12 weeks)	4 th Choice Class IIa, LB (12 weeks)	-	-	-	-	-	Contra-indicated
Harvoni [ledipasvir (90 mg) + sofosbuvir (400 mg)] + RBV (600mg)	-	-	-	-	1 st Choice Class IIb, LC (12 weeks) Prior sofosbuvir failure (24 weeks)	-	-	1 st Choice* Class I, LB (12 weeks)
PEG-IFN + RBV(weight-based)			2 nd Choice (dose adjusted)	2 nd Choice (dose adjusted)	-	-	-	Contra-indicated

RBV = Ribavirin, PEG-IFN = pegylated interferon

Levels of Recommendation based on AASLD/IDSA 2015; Opinion based on Committee's consensus.

* Ribavirin dose 600 mg increasing as tolerated with decompensated cirrhosis, or weight-based (1000 mg [<75 kg] to 1200 mg [> 75 kg]) with compensated cirrhosis.

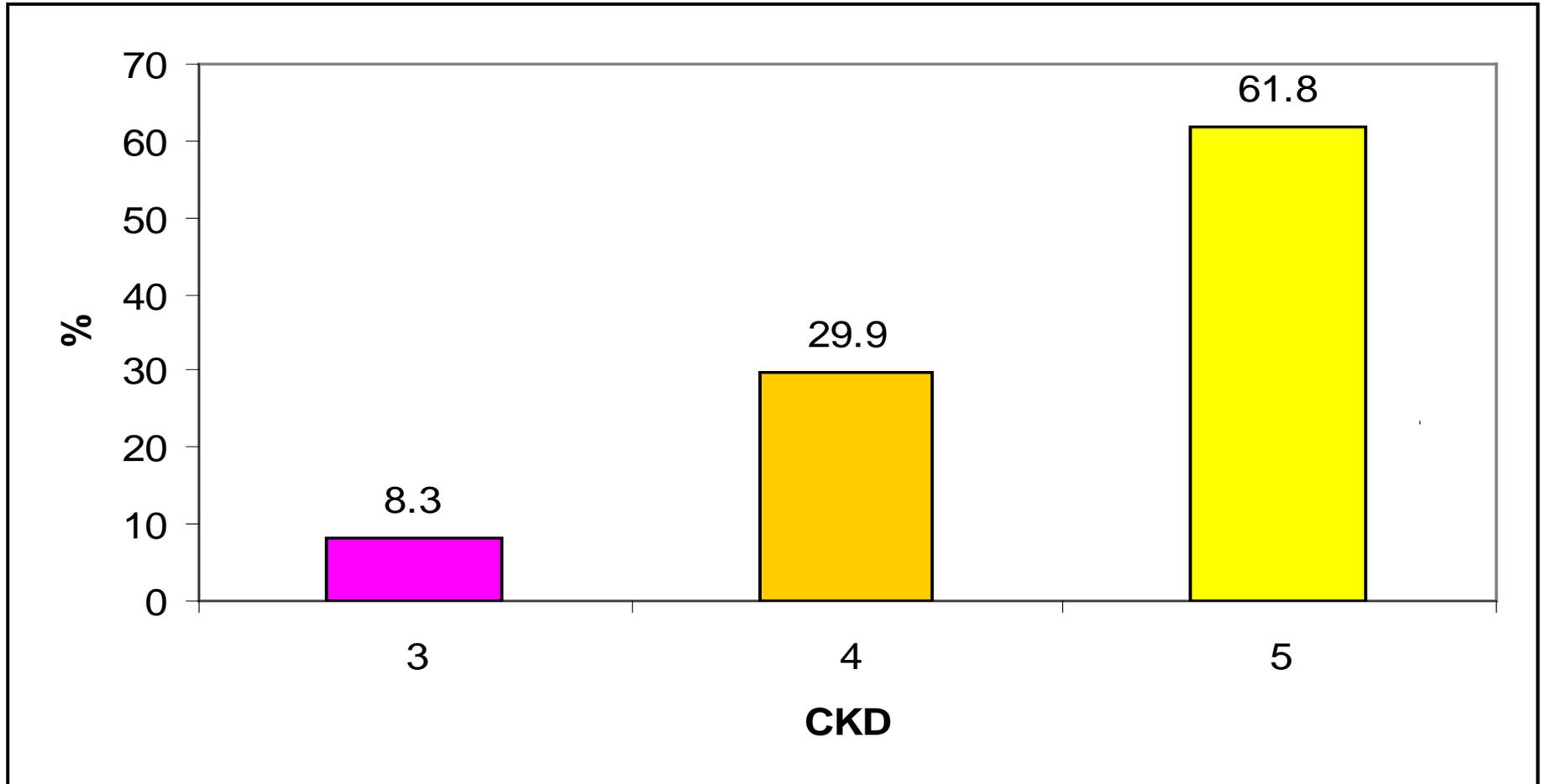
Top 10 countries/territories of number of people with diabetes (20-79 years), 2013



Establishment of the renal registry system

- To facilitate the continuous improvement of quality control of medical care of patients with end stage renal disease
- To perform research on epidemiology
- To know the outcomes of the patients
- To provide information regarding patient treatment for the health care policy makers and the government

North Cairo



CKD stage 5 is the most common stage, pointing to the late referral of CKD patients to seek medical advice.

Curtsey : prof Magdy Sharkawy et al 2011



ESNT – E-NKF Chapters



- **Egyptian Renal Registry Chapter ESNT**
 - Nephrology Screening Barsoum RS, K Int Suppl (2013) 3
 - AKI ... CKD Abstr WCN15-0072
 - Dialysis Ministry of Health M.O.H. report
 - National Waiting List committee ESNT + M.O.H.
 - Transplantation ESNT + M.O.H.
- **Continuous Nephrology Education Chapter**
 - Nephrologists
 - Nurses
 - Patients

Dialysis centers and staff numbers

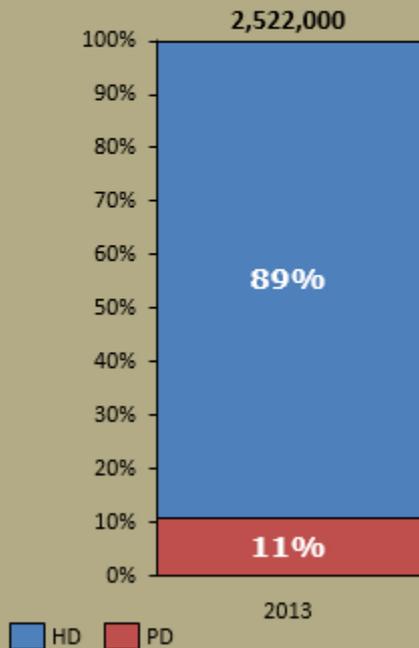
Items	MOH	Private & Org	Health Insurance	University	Military	Total
Dialysis centers	265	210	25	40	9	549
Patients	18,400	7,000	3,200	3,500	850	32,950
Doctors	550	230	50	120	11	961
Nurses	3,500	1,700	650	1,200	280	7,330

Dialysis machines and dialysers

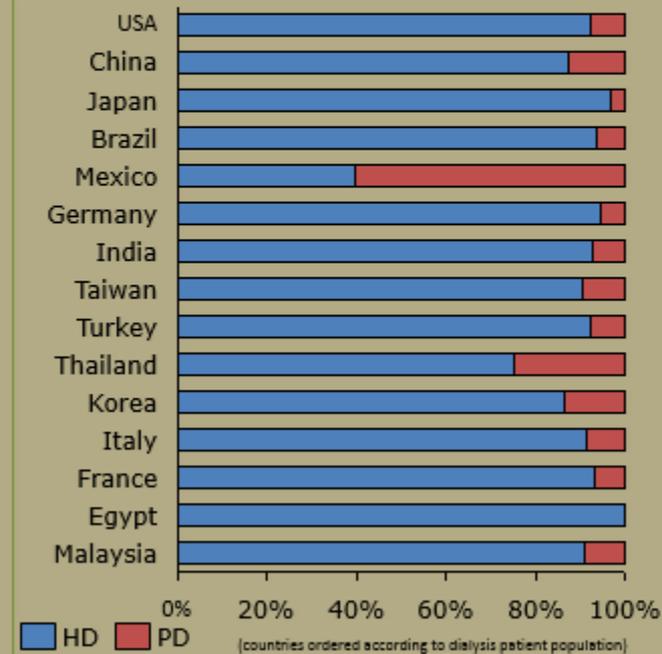
Items	MOH	Private & Org	Health Insurance	University	Military	Total
Active HD machines	3,650	1,350	620	650	175	6,445
Sector size	57%	21%	9%	10%	3%	100%
Dialyzers	2,208,000	840,000	384,000	420,000	102,000	3,954,000
Sector size	55%	21%	10%	11%	3%	100%

11% of all dialysis patients are treated with PD
 PD distribution differs significantly between countries

•Global dialysis patients



•HD – PD patient distribution



Burden of CKD in North Africa

	Egypt	Libya	Tunisia	Algeria	Morocco
Population (millions) ^a	83	7	11	35	32
GNI (US\$ as PPP) ^b	2070	12,020	3720	4420	2770
Incidence (pmp)	192	90	159	120	125
Prevalence (pmp)	650	323	734	475	300

Abbreviations: CKD, chronic kidney disease; GNI, gross national income; PPP, purchasing power parity.

^aMost recent census data.

^bWorld Bank data.

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^bWorld Bank data.



Preventive Missions



➤ Directed Preventive Programs

- Schistosomiasis in Egypt
- HCV in Egypt
- Diabetes Mellitus
- Interstitial nephritis
- Antibiotics & NSAID abuse







Thank you