



Global Initiative for Cancer Registry Development in Low and Middle-Income Countries (GICR)

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GLOBAL INITIATIVE
FOR CANCER REGISTRY
DEVELOPMENT
INITIATIVE MONDIALE
POUR LE DEVELOPPEMENT
DES REGISTRES DU CANCER
INICIATIVA MUNDIAL
PARA EL DESARROLLO
DE REGISTROS DE CANCER

Why do we need population-based cancer registries (PBCR)?

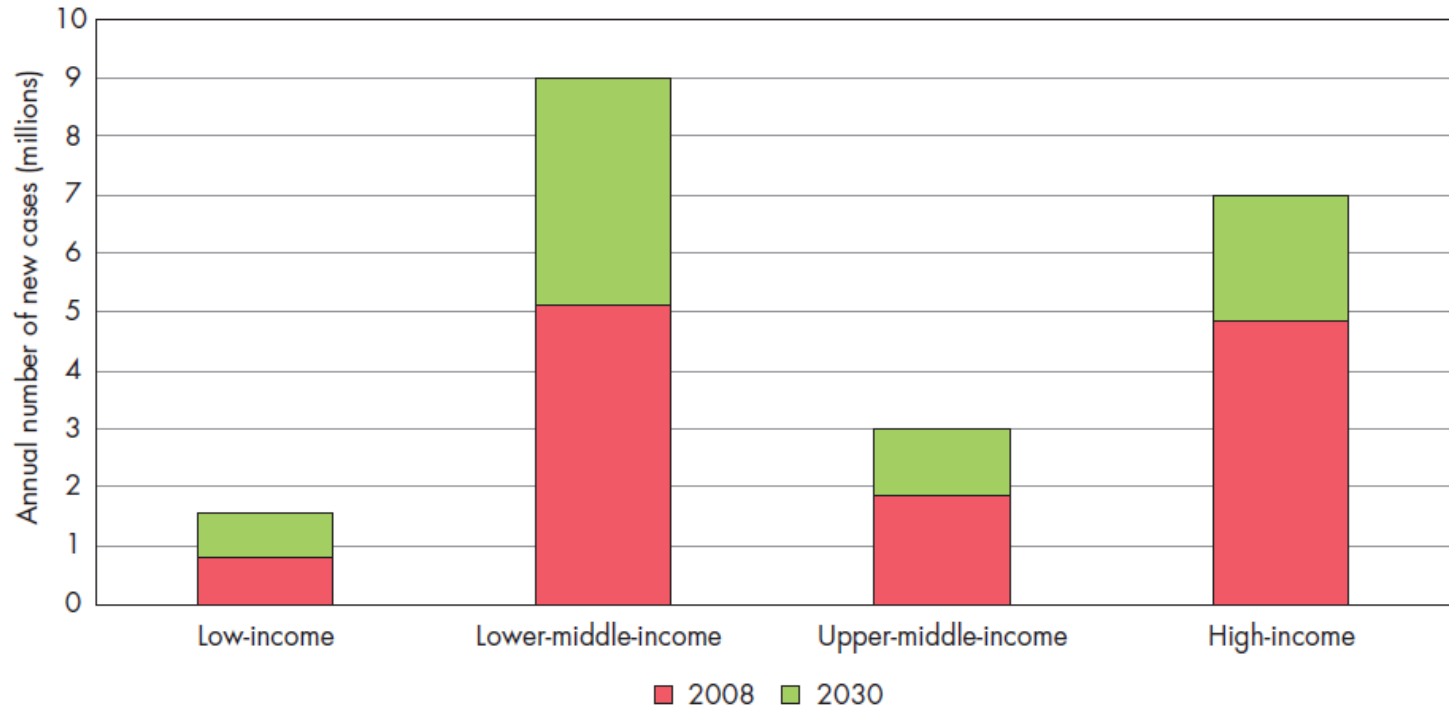


“Population-based cancer registries play a central role in cancer control programmes because they provide the means to **plan, monitor and evaluate** the impact of specific interventions in targeted populations”.

- Which cancers are common
- Trends over time
- Future burden
- Effects of treatment
- Impact of interventions

Estimated global burden of cancer

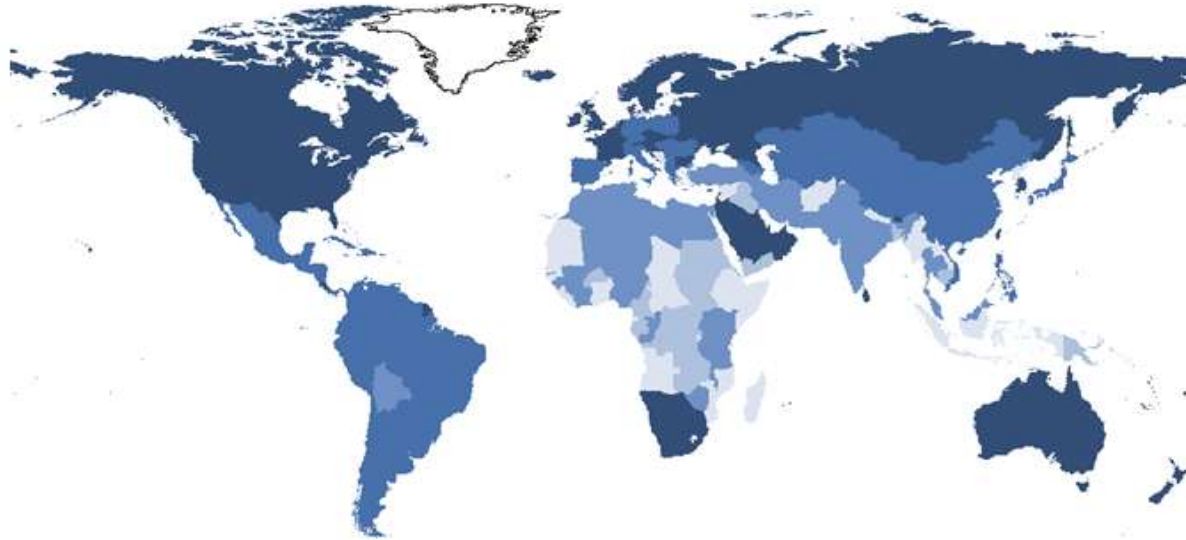
Estimated annual number of new cancer cases 2008 and predicted 2030, by World Bank income groups



→ LMIC > 50% of current burden and 60-70% of burden in 2030 but least equipped to cope with this situation – also re PBCR

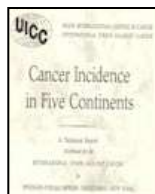
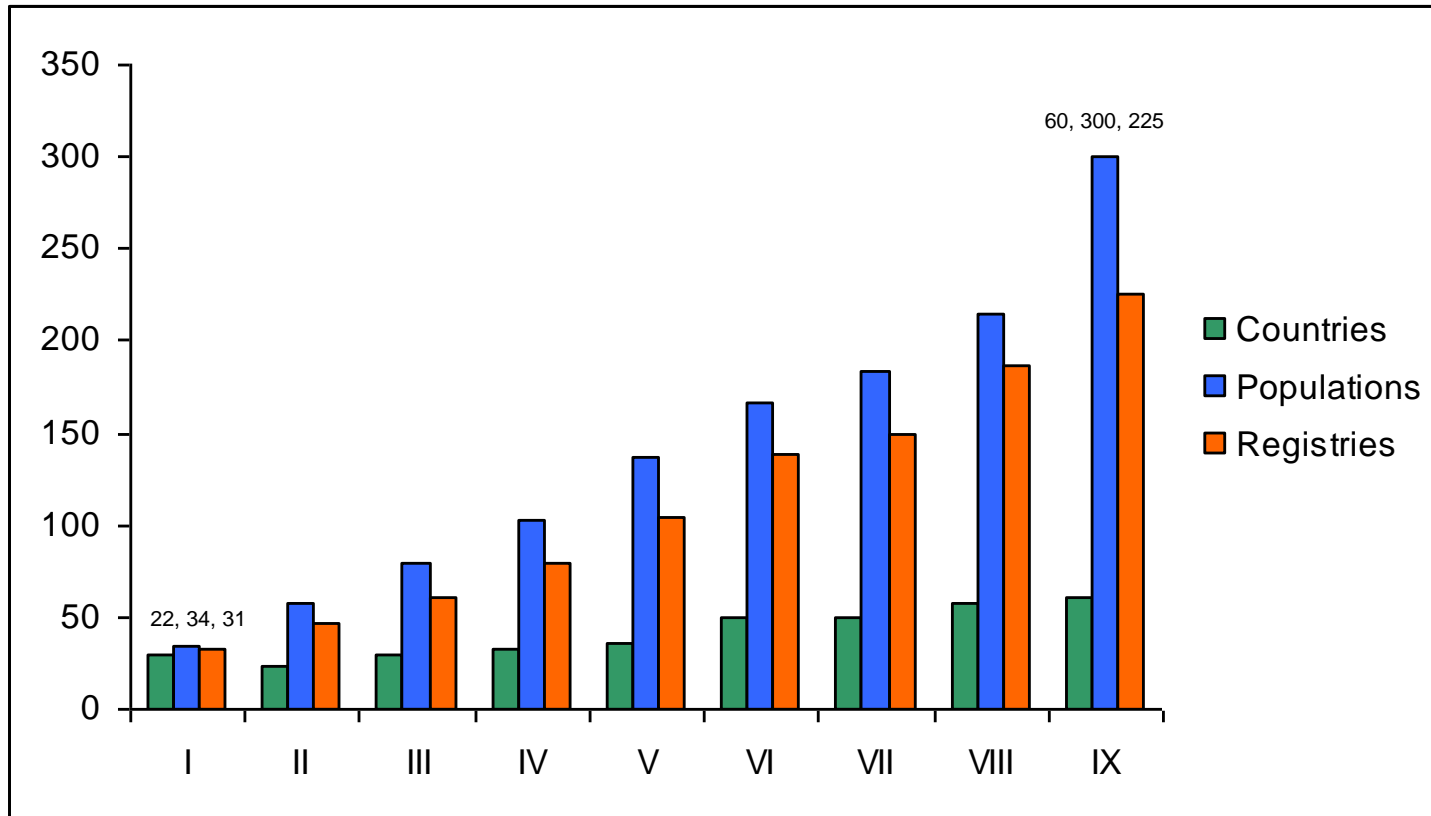
GLOBOCAN 2008

Incidence – methods of estimation



- 1: National incidence data
- 2: Local incidence data and national mortality data
- 3: Local incidence data. No mortality data
- 4: Frequency data
- 5: No data

CI5 I - IX



1966



2007

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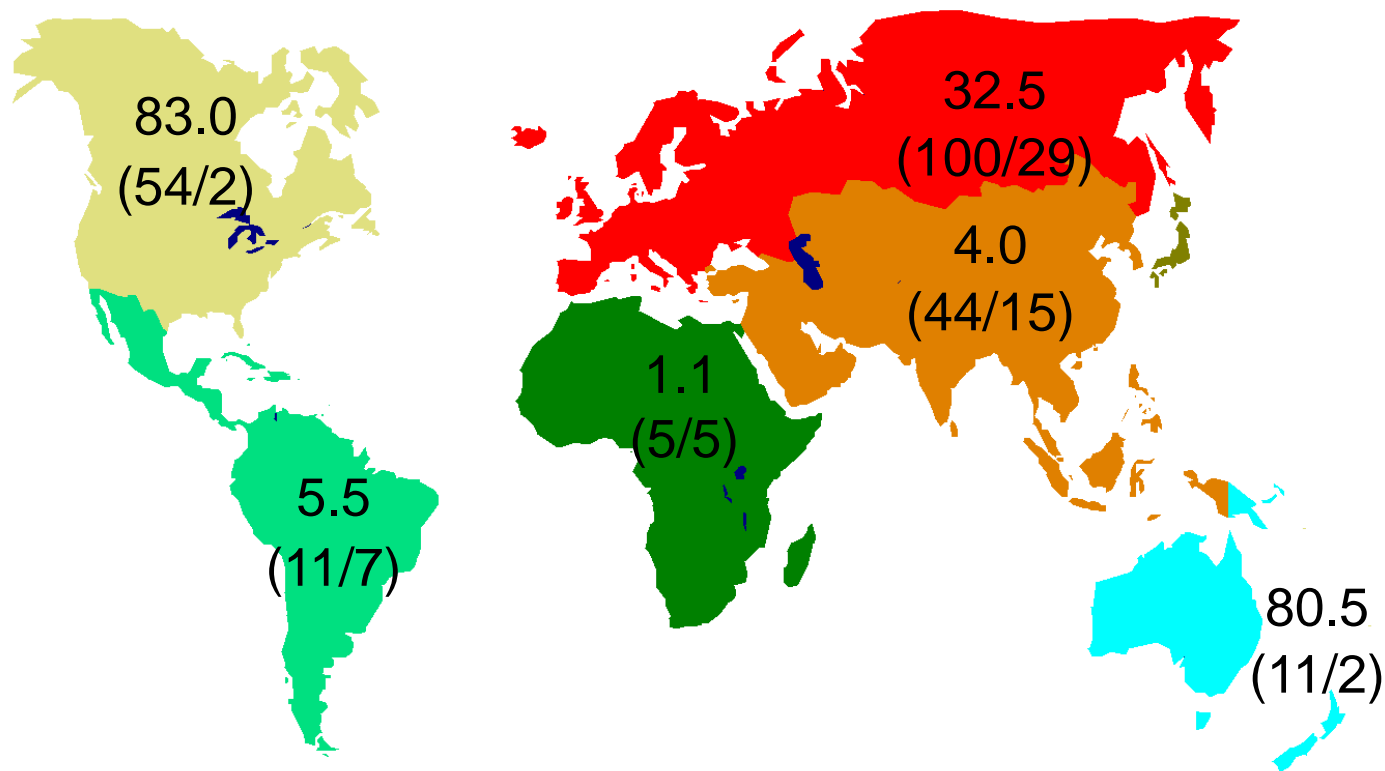
CI5 IX breakdown

	% Pop: 11.6	Registries: 225	Countries: 60
Africa	1.1	5	5
C&S America	5.5	11	7
N America	83	54	2
Asia	4	44	15
Europe	32.5	100	29
Oceania	80.5	11	2



Disparities in presence of high quality PBCR:

% population covered by cancer registries CI5, IX



(number of registries/number of countries providing data)

Inclusion of African cancer registries in CI5 I-IX

Country	Registry	CI5 volume								
		1	2	3	4	5	6	7	8	9
Algeria	Algiers								x	
	Sétif						X	x		X
Egypt	Gharbiah									X
Mali	Bamako						X	x	x	
Mozambique	Lourenço Marques	x								
Nigeria	Ibadan	x	X	X						
Senegal	Dakar				X					
South Africa	Jo'burg Bantu	X								
	Natal African		X							
	Natal Indian									
The Gambia	National CR						x		X	
Tunisia	Centre (Sousse)									X
Uganda	Kyadondo (Kampala)	x						x	x	x
Zimbabwe	Bulawayo African		x	x						
	Harare African							x	x	X
	Harare European							x		

Cancer registration in LMIC: challenges

- **Establishment and sustainability of registries**

lack of: basic health services; trained personnel; census data; data processing facilities; cooperation from medical personnel; political support, funding...

- **Quality of registries**

no pathological diagnosis, no mortality statistics; difficulty linking different datasets; lack of follow-up; lack of trained personnel...

- **Utilization of data generated by registries**

capacity to study cancer burden, time trends; to evaluate screening programmes, to measure survival, to identify risk factors...

.....

The Global Initiative for Cancer Registry Development in LMIC (GICR)

- Multi-partner approach led by IARC, launched Nov.2011
- Aim: to develop capacity in LMICs to produce reliable, high-quality information on the burden of cancer – a key response to the UN Political Declaration on NCD (Sept. 2011) and WHA65 resolution on global monitoring framework (May 2012)
- Implementation of GICR through a network of Regional hubs
- Training, advocacy and outreach program
- Estimated minimum funding requirements: 5mio \$ over 5 years
- <http://gicr.iarc.fr>

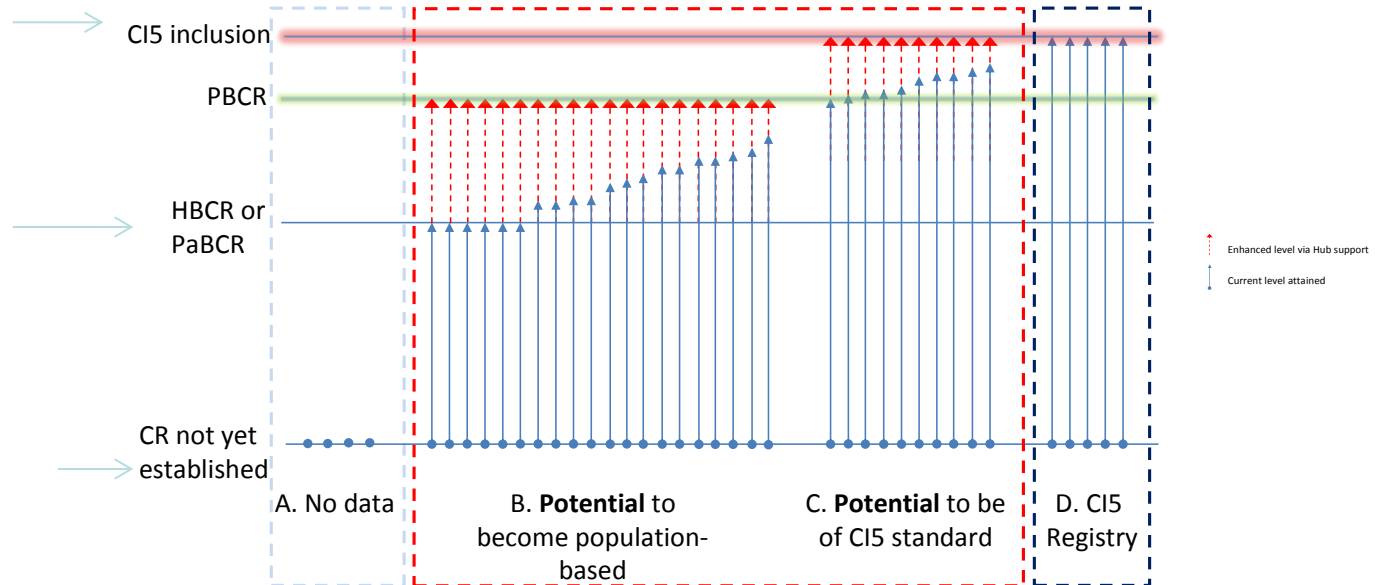


GICR - a stepwise approach to develop PBCR

Less than one in five of all LMIC have population-based cancer registries of CI5 quality. The need for these countries is to ensure this quality status is maintained.

In about 25% of LMIC there are hospital-based cancer registry systems in place. Around 40 countries in LMIC have population-based cancer registry systems at varying quality levels. The common need is to strengthen and transform these registries.

Close to 25% of LMIC have no reasonable source of cancer data available either nationally or regionally



HBCR= Hospital-based cancer registry

PaBCR= Pathology-based cancer registry

PBCR= Population-based cancer registry

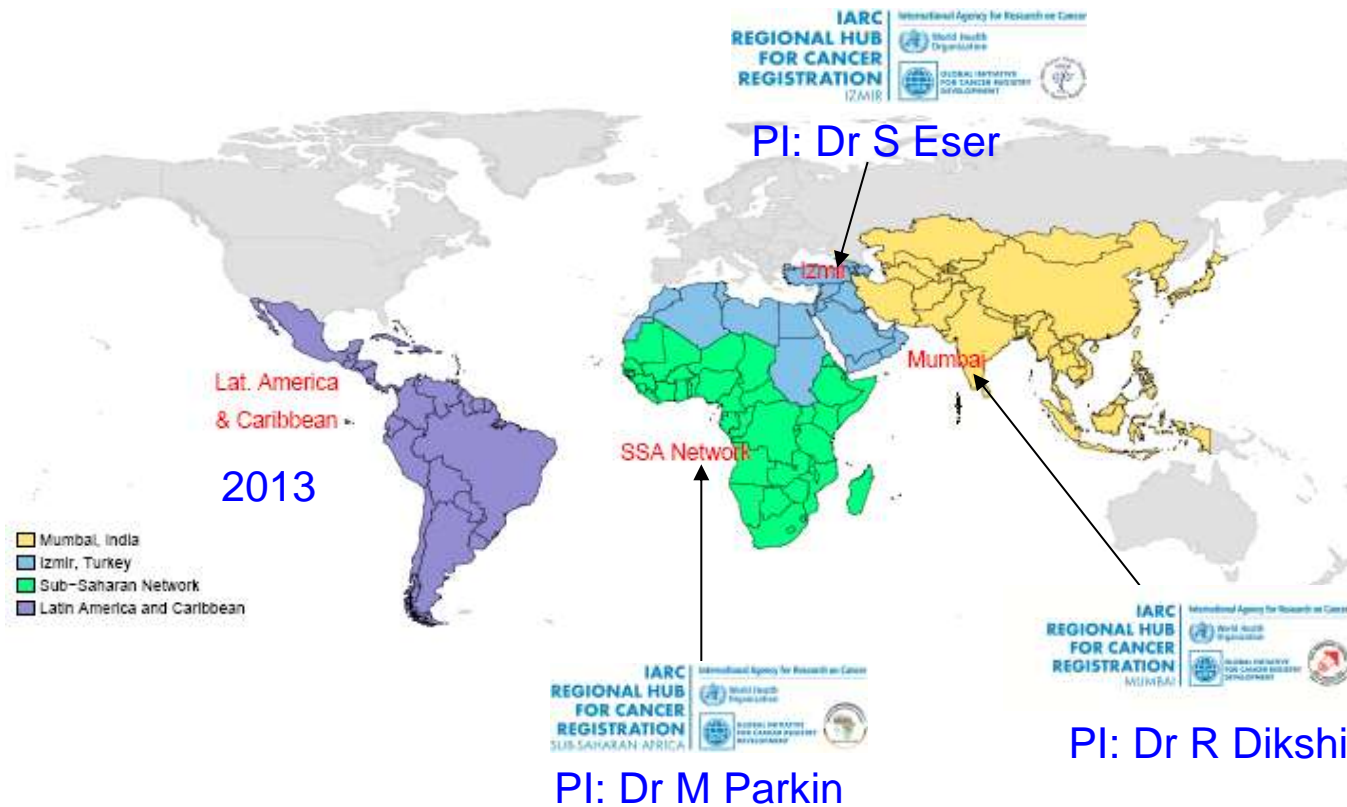
Implementing GICR through IARC Regional Hubs for cancer registration

Technical support

Training

Research

Advocacy & Networking



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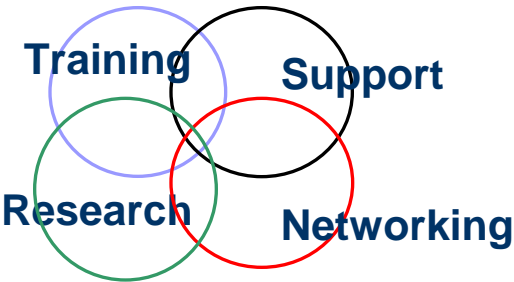


Example of Hub activities - Mumbai



Training

- Annual one-week course within region: Mumbai, 2/2012; Jakarta, 5/2013
- Support to national course (Thailand)
- Individual training at Hub
- CanReg train-the-trainers



Support

- 3-year Collaborative Research Agreements (CRAs) with Cancer Registries in Indonesia, Mongolia and Sri Lanka
- Site visits

Research

- Cancer in Maharashtra & Goa 2007-9
- Cancer in Asia 2003-7

Advocacy & Networking

- Outreach to national authorities; Alumni

GICR- the first year

- **Technical support** to cancer registries: establishment of 3 regional hubs; expert visits; CanReg clinics; development of staging tool for CanReg with NICR....
- **Training** regional (Asia, Africa, Latin America), language-specific and *ad hoc* courses; CanReg webinars....
- **Research** through Collaborative Research Agreements, methodology and regional publications...
- **Networking, Outreach and Advocacy** to explain the importance and cost-effectiveness of cancer registration; to empower the cancer registry community to be advocates; surveys to prioritize work



- GICR **website** in English, French, Spanish <http://gicr.iarc.fr>
- **Fundraising**: ~1mio USD

On Acronyms and Synergies/1

Organizations endorsing GICR:



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On Acronyms and Synergies/2

- **Target countries / calendar of site visits**
- **Training** fellowships/grants to support language-specific and *ad hoc* courses
- **Roster** of experts
- **Development/dissemination** of relevant information
- **Visibility**: reciprocal links on websites
- **Outreach and Advocacy** to explain the importance and cost-effectiveness of cancer registration
- Capitalize on **common collaboration** within umbrella organizations
- **Twinning**
- **Internships**
- **Collaborative research**
- **Joint calls for proposals**
- **Funding /Fundraising** including door-opening

Join GICR!

<http://gicr.iarc.fr/en/joining.php>

- As a cancer registry
- As an association (e.g. AIRTUM)
- As a cancer registry professional (active or retired)

- Share your expertise, mentor or host a cancer registrar, twin with a cancer registry, engage in collaborative research, help spread the word...



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