

The Evidence Base for Cancer Control in Developing Countries

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INCTR Evidence Base Programme

- Search biomedical literature for reports relevant to cancer control in Low and Middle Income Countries (LMIC)
- Build databases of relevant reports
- Make them widely accessible over the Internet through a local partner

INCTR Evidence Base Programme

- Build capacity for systematic reviews that can
 - Inform international development agendas
 - Inform national & regional research agendas
 - Provide evidence on the effectiveness of cancer control interventions in LMIC

INCTR Database of Cancer Control in Developing Countries

- Projects:
 - Pilot project in one country : Egypt
 - One cancer : Breast cancer

Egyptian Pilot study

- 3 year project with European School of Oncology
- Dr Ataf Badran, Mrs Howaida Ali Alsayad, Shaymaa Badran @NCI Cairo
- Inclusion criteria:
 - Published studies
 - Breast cancer, Bladder cancer, Lymphoma, Childhood malignancies & Palliative Care
 - Conducted in Egypt

Methods

- Databases: Medline, Embase, Psyclit, Scopus
 - Journals: 60 biomedical journals held in Egyptian University Libraries
 - Search terms
 - Breast cancer OR Bladder Cancer OR Lymphoma OR Child*/Pediatric/Paediatric OR Paliative care in TI; AB: or MeSH
- AND
- Export* in TI AB or AD/AFFU

Methods

- Animal studies excluded
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- Searches conducted between 01/08-04/08
- Results downloaded into a bibliographic database (ProCite 5.1)

Results

- Articles identified 1866
- Articles / Inclusion criteria 1386
- Articles Indexed on databases 677
- Articles Not Indexed on d/bases 709

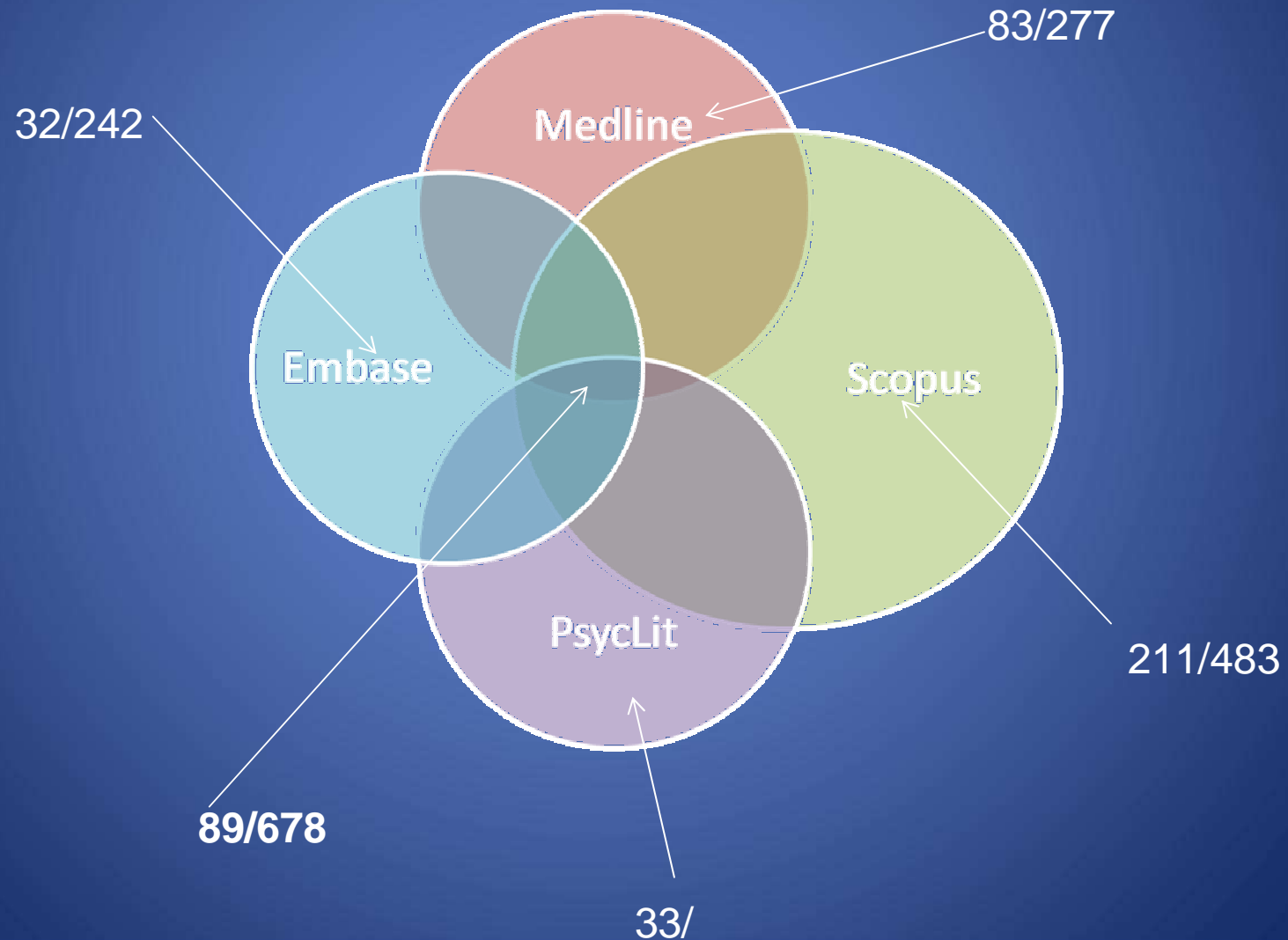
Results

- Breast cancer 437
- Bladder cancer 421
- Lymphoma 331
- Childhood cancers 115
- Palliative Care 83

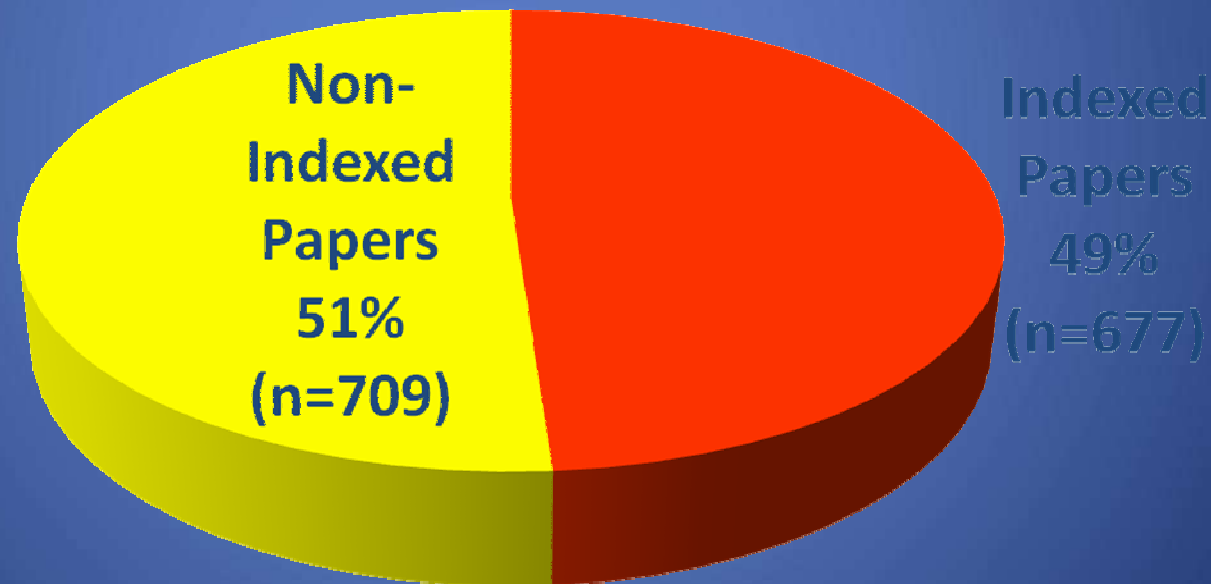
Comparative yield by Database

- Medline 277
- Embase 242
- Psyclit 283
- Scopus 483

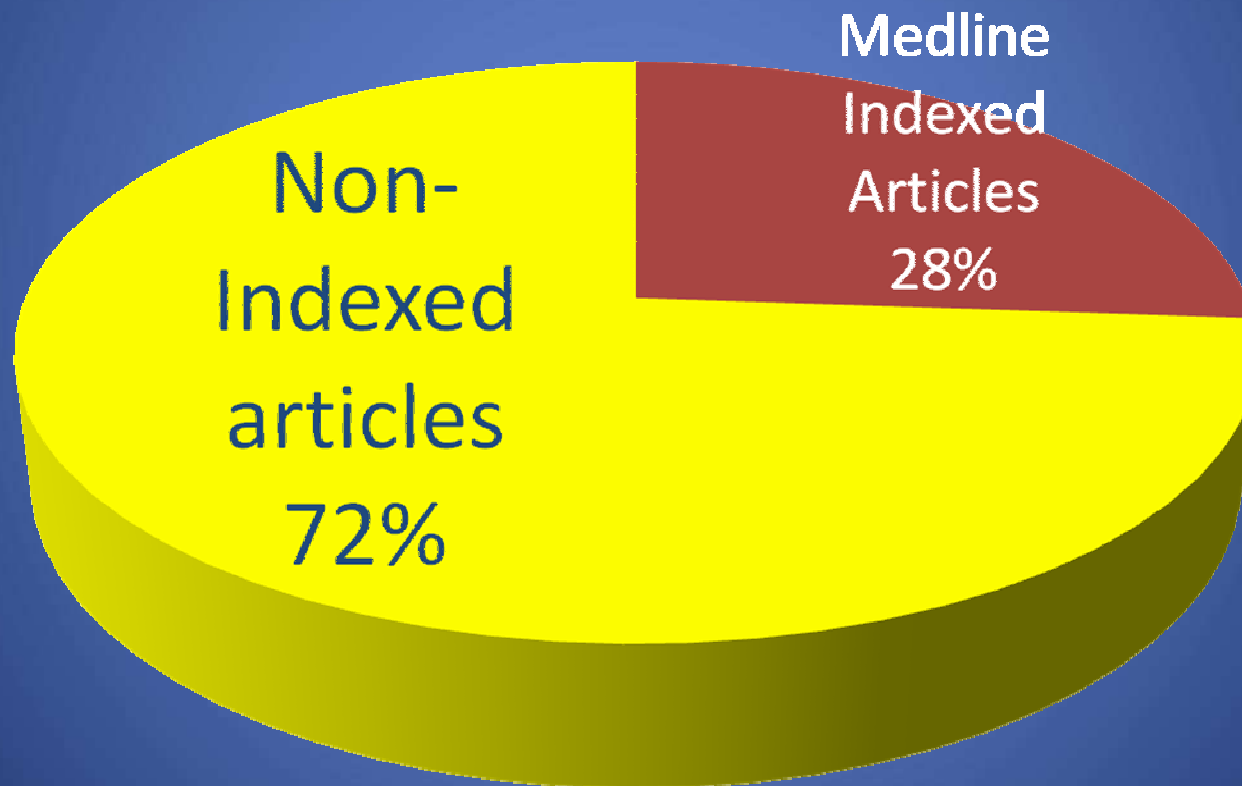
Overlap of Database coverage



Ratio of Non-Indexed to Indexed Articles



Ratio of Non-Indexed Articles to Medline Indexed Articles



Journal search results

- 76 journals accessed through Egyptian university library network
- 34 (44%) journal searches completed
- 854 papers identified
- 709 not indexed on 4 databases

The Next Step

- Continue search for articles published in 2008
- Upload to Database managed by NCI Cairo
- Launch access to Egyptian Cancer Control Database in 2010
- Extend search to other areas of cancer control
- Systematic reviews

INCTR Breast Cancer Review

- Supported by OIA, National Cancer Institute
- Collaboration: Marilyns Corbex
- September 2008 - 2009

INCTR Breast Cancer Review

- To catalogue existing literature
- To identify and highlight issues that are of particular importance to LMIC
- To identify areas where evidence is lacking
- Include evidence obtained through INCTR's ongoing cross-sectional study of breast cancer in 4 countries (Peru, Egypt, India and Pakistan)
- Contribute studies to BGHI database

Identifying studies

- Databases
 - Medline, Embase, Scopus, Popline
 - Breast cancer terms in TI, AB, MeSH + Country Name* in TI,AD, AB/Developing Country /LMIC search terms
- Conference proceedings (Handsearch)
 - ASCO, San Antonio, St Gallen, ECCO, ESMO, INCTR, UICC

Possible review topics

- i) Epidemiology---incidence, risk factors, age, stage etc.
- ii) Disease stage on presentation, treatment modalities
- iii) Survival
- iv) New treatment options and the industrial sponsorship of original research
- v) Education of the public and health care professionals
/encouraging women to report for screening; issues of recruitment versus opportunistic screening
- vi) Techniques of early detection; physical examination versus mammography (or a mix)
- vii) Ensuring accurate diagnosis and referral
- viii) Quality issues, Human Resources, education and training needs
- ix) The need for standardization in treatment approaches and facilities
- X) Areas for future or improved research

Interim results

Year	Embase	Medline	Scopus
1996	635	579	415
1997	817	639	492
1998	818	666	576
1999	923	693	641
2000	942	803	653
2001	1028	855	779
2002	1375	1114	990
2003	1810	1181	1283
2004	2006	1371	1549
2005	2503	1479	1919
2006	2774	1683	2240
2007	2974	1699	2557

Overlap in Databases

- 2003 TOTAL: 803
- Medline 526
- Embase 567

- Medline + Embase 290

- Medline only 236
- Embase only 277

Conference Proceedings -v- Full Publication

- ASCO 2004
- Relevant Abstracts
44
- Published articles indexed on Medline 13

Conclusion

- More evidence exists than is easily accessible
- INCTR : systematic programme of building evidence bases
- Need to get searches done and out there.

Thank You

- Dr Alberto Costa
- Daniela Mengato
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- Ms. Shaymaa Badran
- Dr Joe Harford
- Dr Marilyns Corbex