



BACI:

The Best Available Clinical Information Project

Centre for Clinical Effectiveness

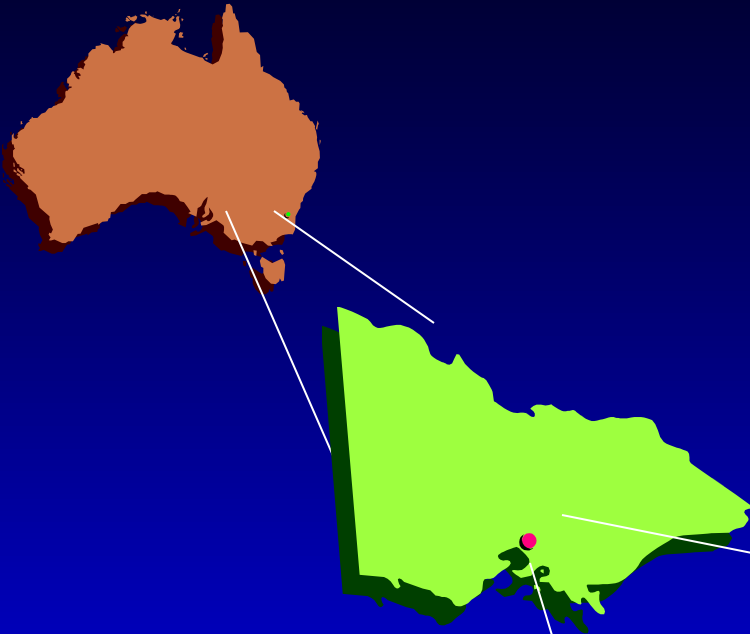
Monash Institute of Health Services Research

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Elizabeth Burrows, Renea Johnston



MONASH INSTITUTE
OF HEALTH SERVICES RESEARCH

Location



Southern Health Care Network

- A centre for medical and nurse training, postgraduate study and medical research
- Provides services to an area with a population of >700,000 people, plus rural services to >300,000
- Provides:
 - public hospital services
 - aged inpatient, community and home care services
 - inpatient and community mental health services.

Southern Health

www.med.monash.edu.au/healthservices/cce.html

Centre for Clinical Effectiveness | Faculty of Medicine - Microsoft Internet Explorer


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Address <http://www.med.monash.edu.au/healthservices/cce/index.html> Go

MONASH HOME > MONASH INFO > NEWS & EVENTS > CAMPUSES & FACULTIES > MONASH UNIVERSITY

CENTRE FOR CLINICAL EFFECTIVENESS

ABOUT CCE > RESEARCH > EVIDENCE REPORTS > REQUEST FORM > TRAINING > RESOURCES > STAFF >



The Centre for Clinical Effectiveness

The Centre for Clinical Effectiveness (CCE) aims to enhance patient outcomes through the clinical application of the best available evidence. It undertakes teaching and research activities, and answers requests for evidence from the staff of Southern Health, Melbourne, Australia.

The CCE opened at Monash Medical Centre in March 1998 under the Directorship of Associate Professor Jeremy Anderson. The CCE is funded by Southern Health and the Victorian Department of Human Services (Acute Health Division). It provides services to the staff of Southern Health of Melbourne as well as consulting (e.g. health technology assessment) for government and other agencies. In early 1999, the CCE became a participating Centre of the [Monash Institute of Health Services Research \(MIHSR\)](#).

Spring Short Courses

for course dates, information and registration click on the course you are interested in

- [An Introduction to Evidence-Based Healthcare](#)
- [The Basics of Health Economics](#)
- [Critical Appraisal of Health Economics Research Papers](#)
- [Introducing Change into Healthcare](#)

Internet



Centre for Clinical Effectiveness

Mission statement: To enhance patient outcomes through the clinical application of the best available evidence

Three strategies:

- Improve access to relevant and valid information
- Improve evaluation of available information
- Implement effective care

Four approaches:

- Evidence Centre
- Teaching evidence-based practice
- Research programs
- Contracts, tenders





Centre for Clinical Effectiveness

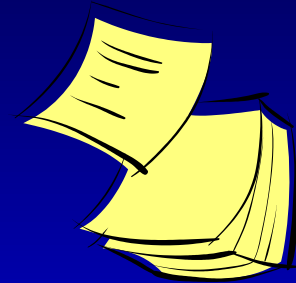
- Started April 1998 with 3 staff
- Evidence-based 'information resource' for clinicians at Southern Health
- Funded by mix of State Government, Commonwealth Government and Monash University
- Further funding from competitive research, contracts and tenders
- 20 staff in 2003

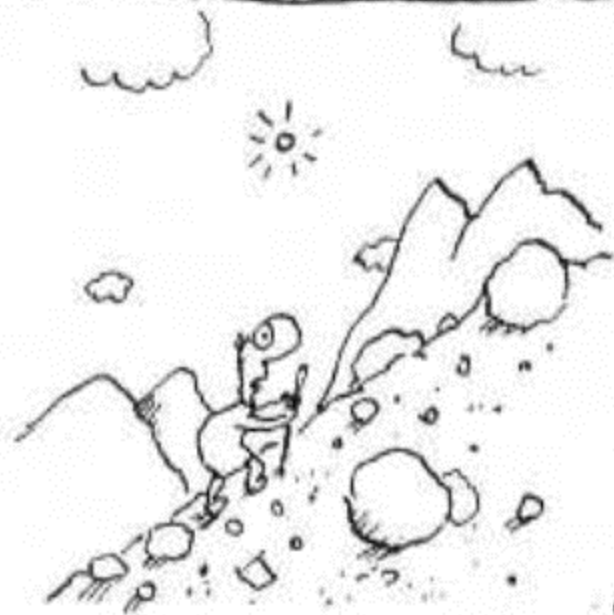




Evidence Requests

- Three levels
 1. Literature searches
 2. Critical appraisals
 3. Full reports
- All reports involve a systematic search of the published literature.
- Critical appraisals are evaluative summaries of identified studies based on standard templates.
- Full reports include syntheses of the available evidence using standard processes.





How does a
person find true
happiness?

How would I know?
I haven't read the
latest research yet.





Evidence Request Form

For staff of Southern Health ONLY

Please send completed form to **Centre for Clinical Effectiveness, MMC - Clayton**. Requests for information must relate to SH-related work only. Requests will be processed in order of receipt.

Our phone number: 9594 7505 **Our fax number:** 9594 7552
Our website address: <http://www.med.monash.edu.au/healthservices/cce/>

Your Details

Name:	Position:
Dept/Program:	Campus:
Email Address:	Work Phone:
Date of request:	Work Fax:

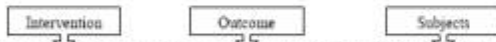
Supplying a well-formulated question will assist us in processing your request with less delay. Please formulate your question so that each of the following components are clearly defined: (1) the **subjects** to which the answer will apply; (2) the type of **intervention / diagnostic test / prognostic factor** of interest; (3) the type of **comparison or control**; and (4) the **outcomes** of interest. We give you an example below (from Counsell, 1997):

A poorly formulated question:



Are anticoagulant agents useful in patients who have had stroke?

A well formulated question:



Do anticoagulant agents improve survival in patients with acute ischaemic stroke compared with no treatment?



Request Details

- The **CLINICAL QUESTION** I would like answered:
- The **PURPOSE** to which I wish to put this information:

- The **TYPE** of service I require (please tick **ONE** only):

A. Literature search. Original articles not retrieved. Citations with abstracts if available. Quality of evidence assigned.	2-4 wks <input type="checkbox"/>
B. Literature search plus critical appraisal. Original articles retrieved.	4-8 wks <input type="checkbox"/>
C. Evidence Report. Complete summary of critical appraisal, systematic search strategy, general findings.	8-12 wks <input type="checkbox"/>

- The **CONDITION** in which I am interested:

- The **PATIENTS / SUBJECTS** in which I am interested:
 - Age range

- The **INTERVENTION / DIAGNOSTIC TEST / PROGNOSTIC FACTOR** in which I am interested:

- COMPARISON OR CONTROL** treatment / intervention / test:

- The **OUTCOMES** in which I am interested:

- The **CLINICAL ENVIRONMENT** to which these findings will apply:

- I wish to **RESTRICT** the search to the following years of publication: _____ to _____

Please note the following:

- Southern Health retains copyright over the information we provide. Please contact us if you wish to publish material contained in a report.
- Completed Evidence Centre Critical Appraisals and Reports are available in full on our website.

Thank you for your request.
You will be contacted soon by a staff member from the Centre.



Evidence Requests



Some examples:

- In children with suspected meningitis does head CT predict the likelihood of cerebral herniation following lumbar puncture?
- Is papaverine infusion or balloon angioplasty more effective for patients with cerebral vasospasm?
- Is providing acute psychological intervention in the ED effective for patients presenting with suicidal behaviour?

BACI Project



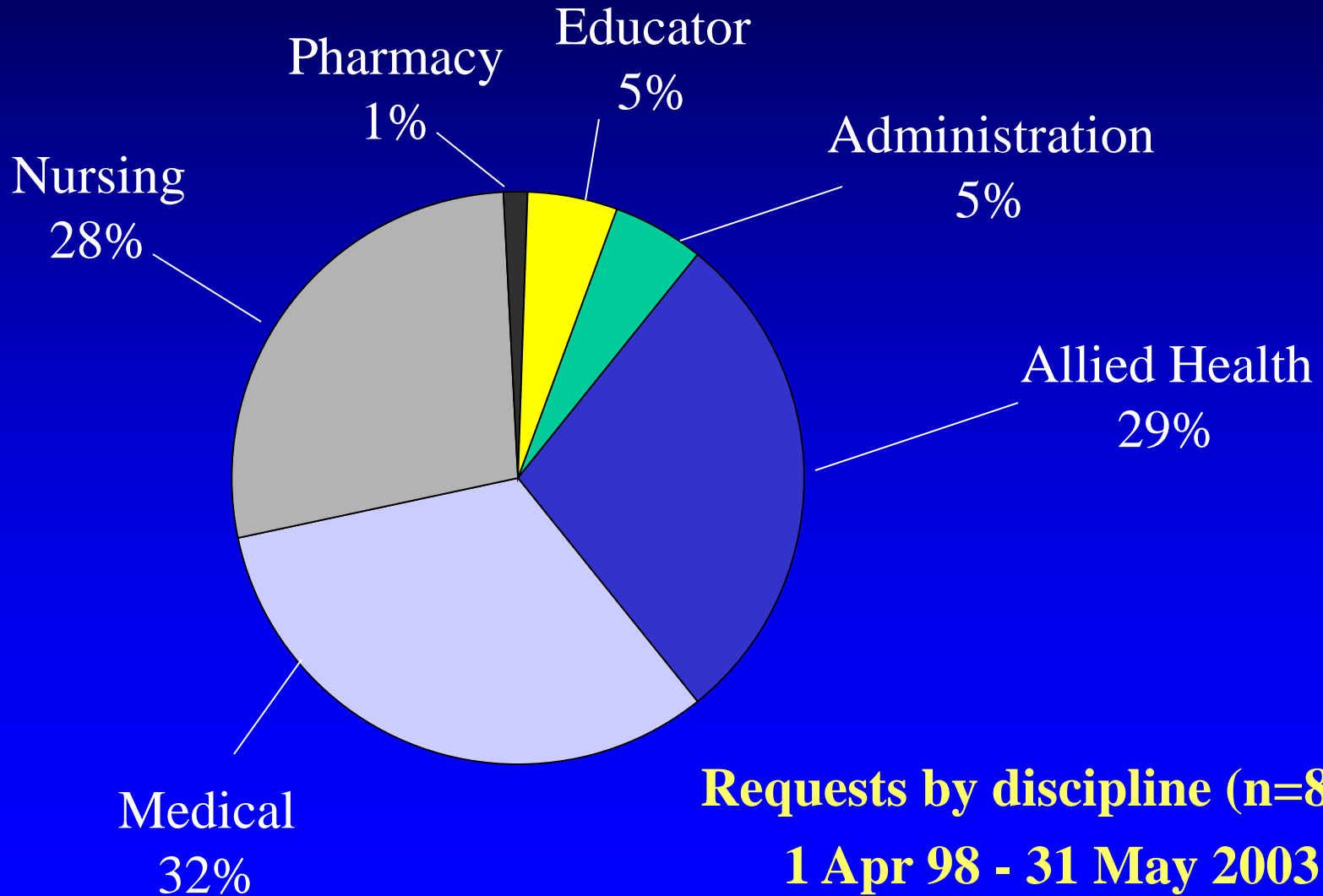
Objective:

- Determine the quality of published evidence available to answer clinical questions asked by health care professionals

Methods

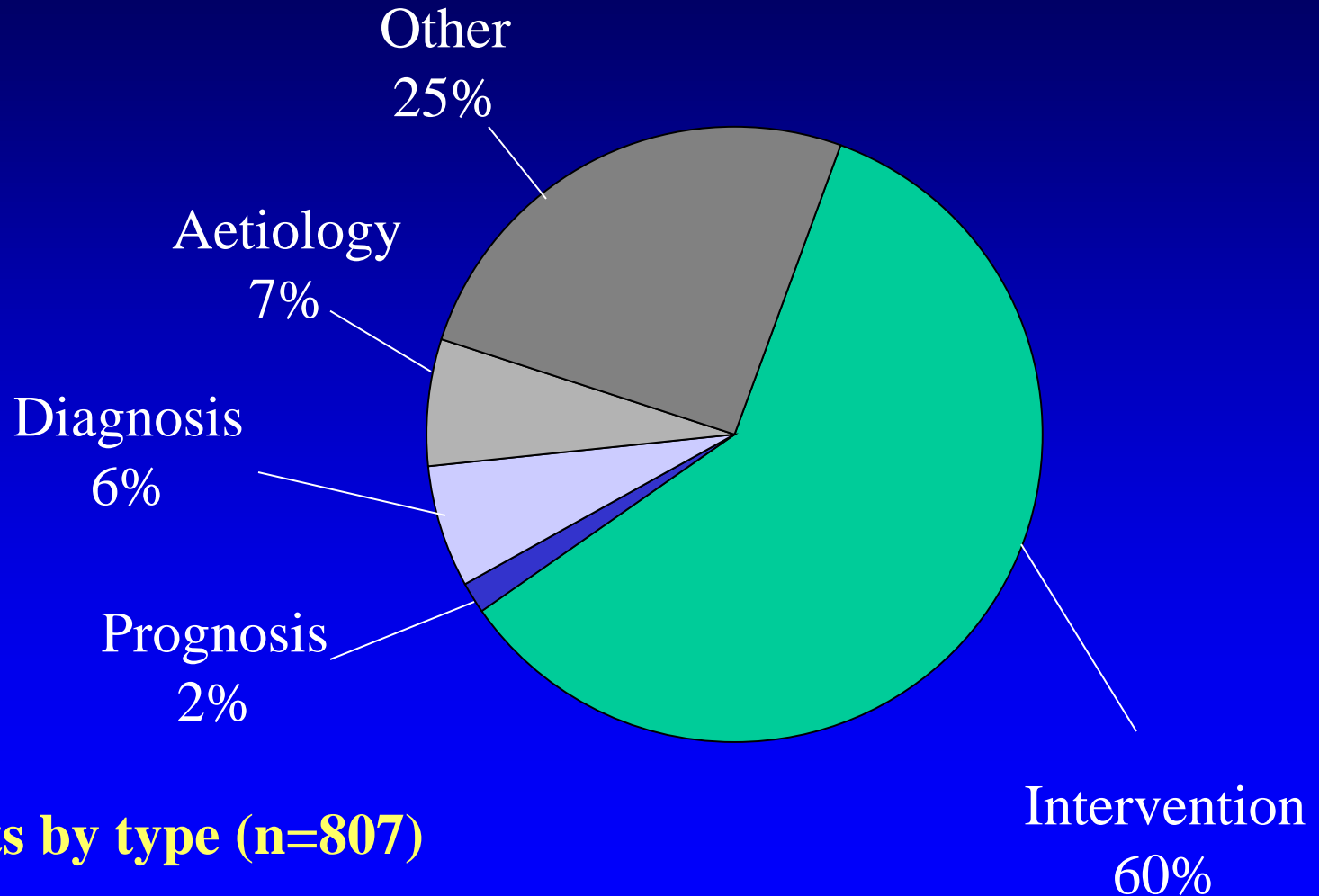
- All requests completed since the inception of CCE were accessed up until May/June 2003
- All evidence requests are classified according to question type: intervention, diagnosis, prognosis, aetiology, other
- The type of research evidence available to answer questions was classified according to hierarchy of research study design

BACI Results – Discipline



Requests by discipline (n=870)
1 Apr 98 - 31 May 2003

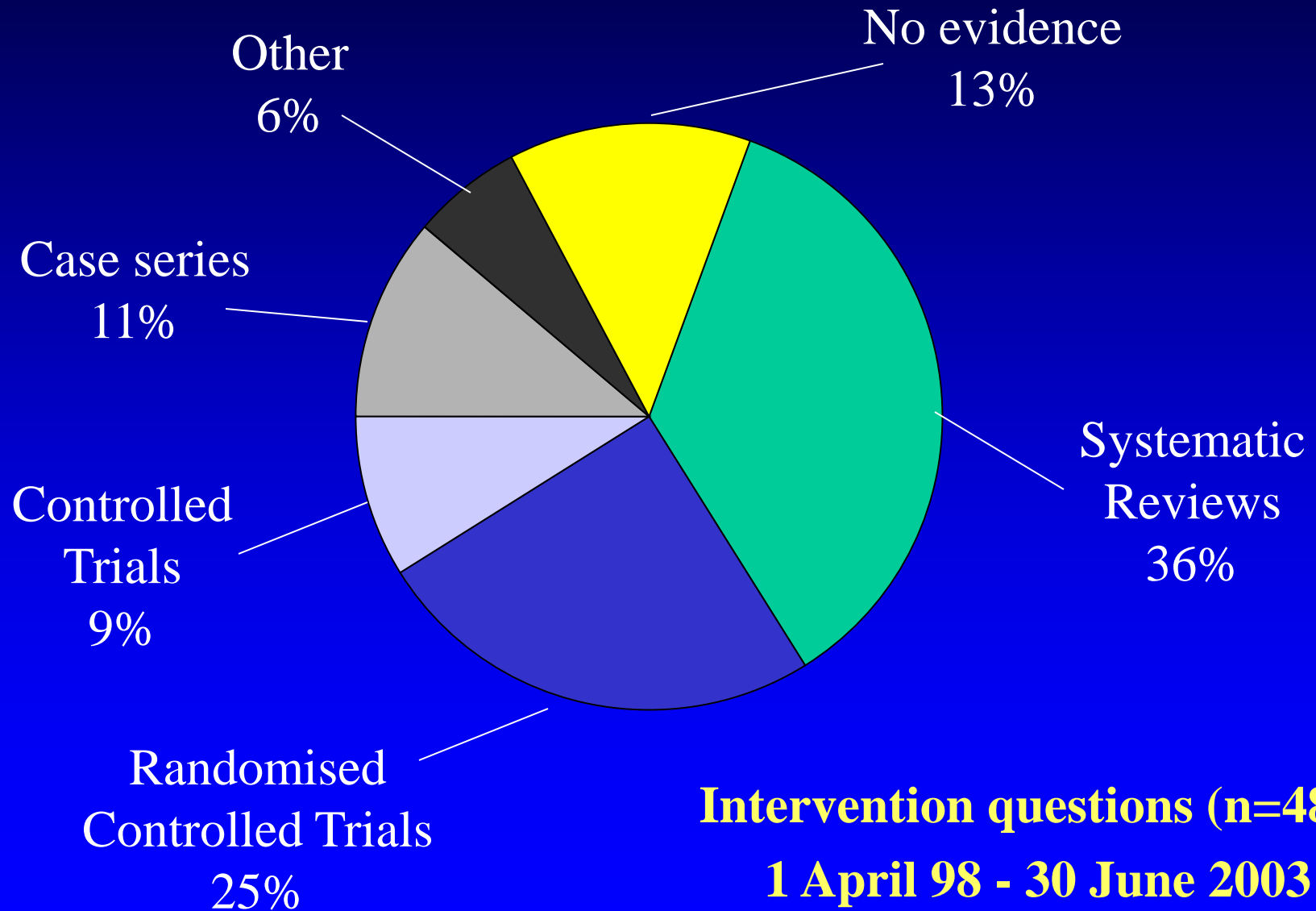
BACI Results – Type of question



Requests by type (n=807)

1 Apr 98 - 30 June 2003

BACI Results – Level of Evidence

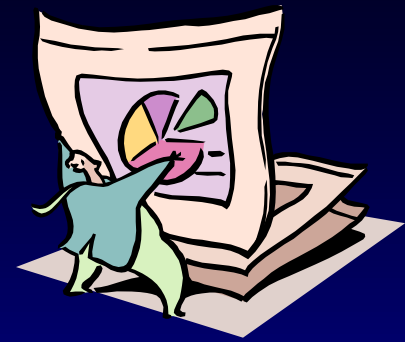


BACI Results – satisfaction and clinical utility

- Satisfaction feedback from 69% of requests:
 - 86% satisfied with information provided
 - 93% satisfied with staff
- Clinical utility:
 - 78% said the report answered their question moderately or very well
 - 52% said it was likely or very likely that the report would influence their practice



Conclusions



- The BACI evidence centre has completed >800 evidence requests over 5 years
- The evidence service was used by clinicians from different specialties and disciplines
- The available information was more rigorous than expected
- The BACI service was favourably received by clinicians
- Over half of the clinicians indicated that the BACI service would influence their clinical practice

The (BACI) End!



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