

Catalan Arthroplasty Register

(RACat)

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Background

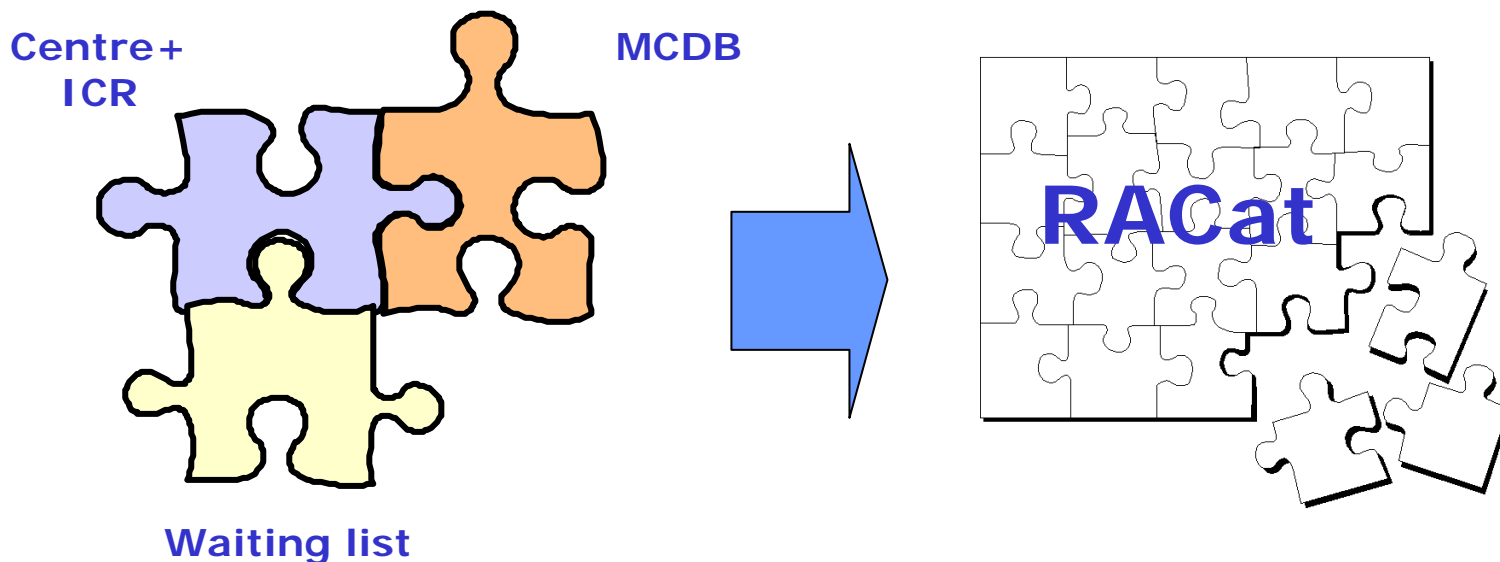
- An institutional agreement was signed between the Catalan Health Service, the Catalan Society of Orthopaedic Surgery and Traumatology and the CAHTA.

Objective and purpose

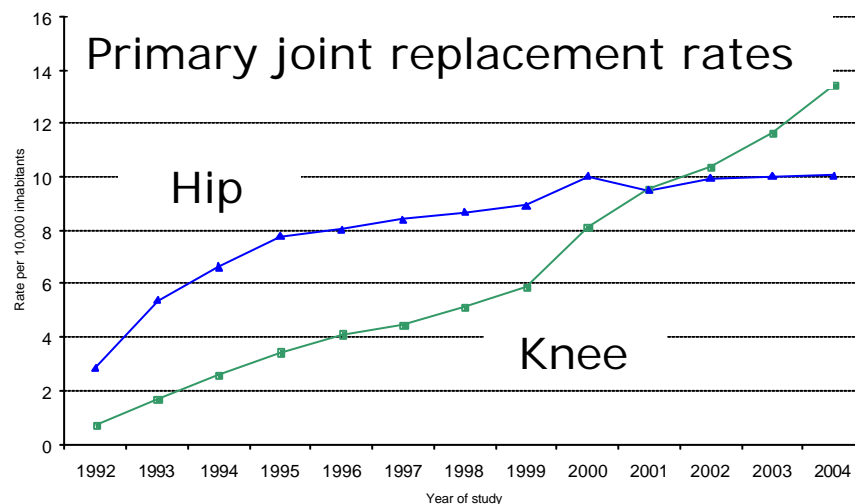
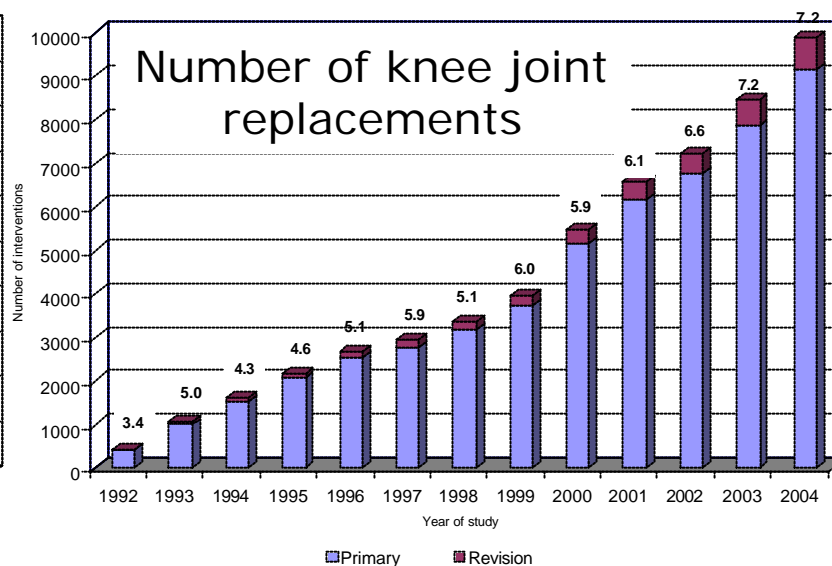
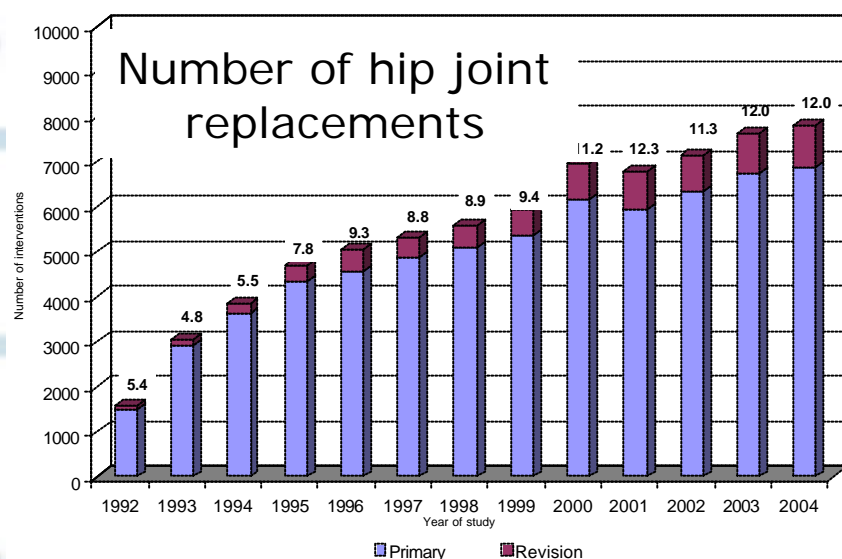
- The main aim is to gather and to analyse data from arthroplasties performed in Catalonia.
- Assessment of prosthesis safety and effectiveness will be possibly.
- The purpose of the RACat is to provide information that may contribute to health care quality improvement.

RACat's Organisation

- Organisation:
 - Management Committee
 - Steering Committee
 - Clinical Coordinator Network
- Sources of information: from data already collected

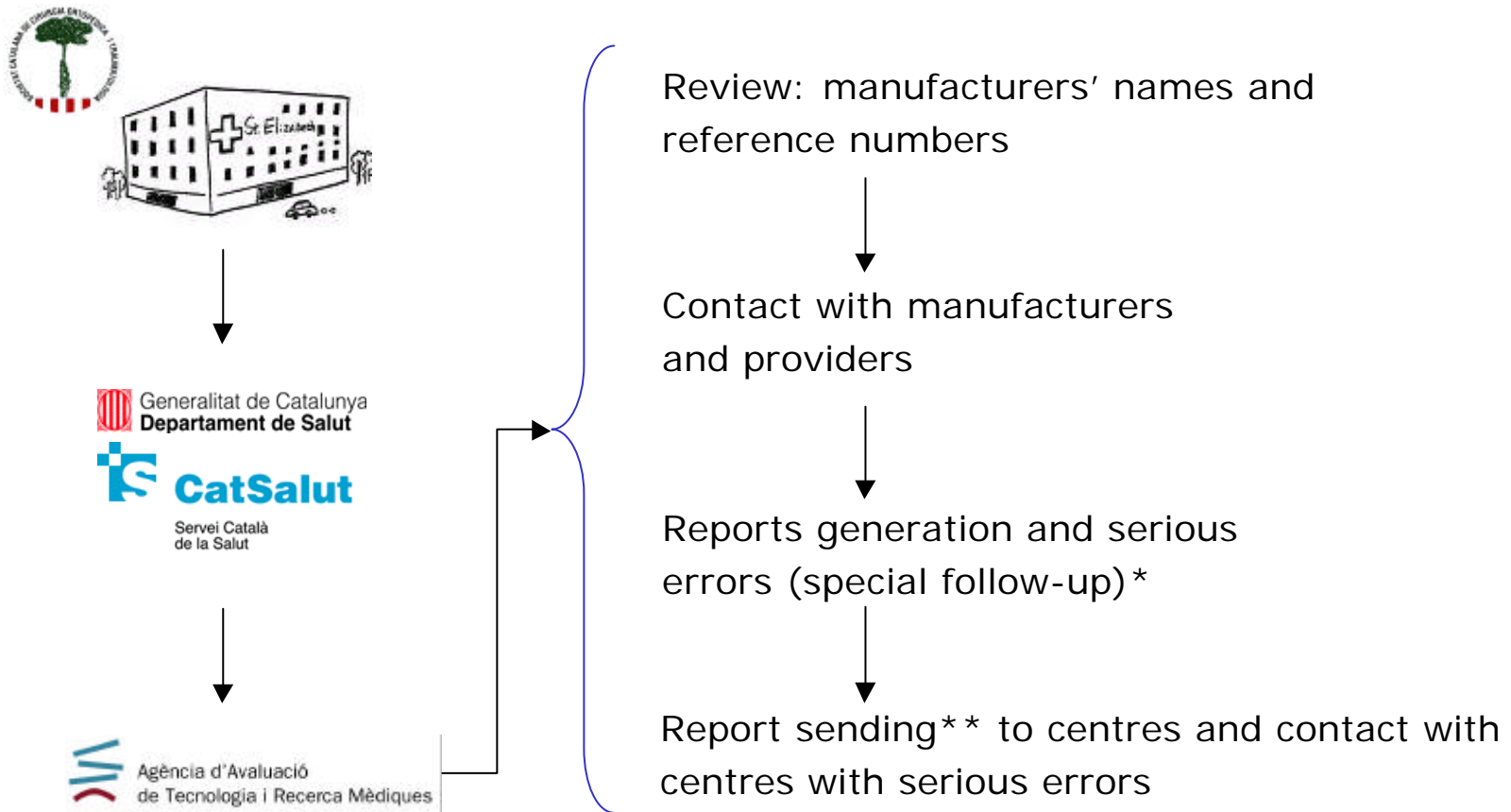


First Phase of RACat: Minimum Clinical Data Base Analysis



The increase in the number of arthroplasties seems to respond to a raise in the number of candidates for surgery, as is reflected by the increase in rates.

RACat's information system



*Problems in the primary key variables: UP, CIP, joint and surgical date

**The report and a data base with the errors are sent

Information reviewed

1. General information

- Patients' hospital number absent
- Joint side absent (right/left)
- Surgical date before admission date
- More than 100 days between admission and surgical dates
- Absence of prosthesis information

3. Follow-up problems

- Two or more primary interventions on the same joint and side

2. Prosthesis information

- Manufacturer: absent, no identified
- Reference number: absent, no identified
- Lot number: absent
- Disagreement: between joint and prosthesis, not every component from the same joint and two or more equal components



Catalan Arthroplasty Register

Current state of the project

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- Participation
- Prosthesis catalogue
- Information quality



Participation

- 28 out of 51 centres have sent information
- 17,834 records from which 5,545 correspond to 2006 (25 centres)
- In Catalonia in 2005 19,272 operations were performed (MCDB)

Centres that have sent information

| | |
|---|---|
| Centre Hospitalari | Hospital de Campdevàrol |
| Corporació Sanitària Parc Taulí | Hospital de Figueres |
| Fundació Privada Hospital de Mollet | Hospital de L'Hospitalet - Consorci Sanitari Integral |
| Fundació Sanitària d'Igualada F.P. | Hospital de Mataró |
| Fundació Sant Hospital | Hospital de Puigcerdà |
| H. Universitari Vall d'Hebron | Hospital de Sant Boi |
| Hospital Clínic i Provincial de Barcelona | Hospital de Sant Celoni, Fundació Privada |
| Hospital Comarcal de Blanes* | Hospital de Sant Jaume Calella* |
| Hospital Comarcal del Pallars | Hospital de Sant Jaume Olot |
| Hospital General de Granollers | Hospital de Santa Maria |
| Hospital General de Vic | Hospital de l'Esperit Sant |
| Hospital Municipal de Badalona | Hospital del Mar |
| Hospital Provincial Santa Caterina | Pius Hospital de Valls |
| Hospital Residència Sant Camil* | |
| Hospital Universitari Sagrat Cor | |

*Not in 2006

Prosthesis catalogue

- Information on 45 manufacturers
- Data base with 43,974 records (manufacturer-reference number)
- Reviewing prosthesis characteristics (type of component and fixation technique)

Manufacturers

| | |
|-----------------------------|-------------------------------|
| 3M ESPAÑA S.A. | MEDICAL BIOMAT |
| B. BRAUN / AESCULAP | ORTHOFIX |
| BARD | OTHESIO IMPLANTS |
| BIOIMPIANTI | PERMEDICA |
| BIOMED | PLUS ORTHOPEDICS |
| BIOMET | PSB EXACTECH |
| BIOTECHNI | SA MIL |
| CORIN MEDICAL | SANORTHO |
| DE SOUTTER MEDICAL | SCIENCE ET MÉDECINE |
| DEPUY | SERF, S.A. |
| EARTHY MEDICAL ITERNATIONAL | SMITH&NEPHEW |
| ELMDOWN | SOCINSER |
| EMCM | STRYKER |
| EXOLENT | SURGIVAL |
| F.I.I. | SYNTHESES / STRATEC MEDICAL |
| FH ORTHOPEDICS | TECRES |
| GROUPE LEPINE | TEKNIMED |
| HIT MEDICA | TORNIER |
| IMPLANTS INDUSTRIE | TRAIBER |
| J.R.I. | TUTOGEN MEDICAL |
| JAQUET ORTHOPEDICS | TYCO HEALTHCARE |
| KINETICS PLUS | UNITED ORTHOPEDIC CORPORATION |
| LAFITT | WALDEMAR |
| LIMA | WRIGHT MEDICAL TECHNOLOGY |
| MATHYS | ZIMMER |
| MEDACTA IBÉRICA | |

Data quality

- Joints' side (right/left): present in 47%
- Identified 43% of reference numbers
- Exhaustiveness for each centre has not been evaluated (MCDB)