

# Catalan Arthroplasty Register

## (RACat)

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# Background

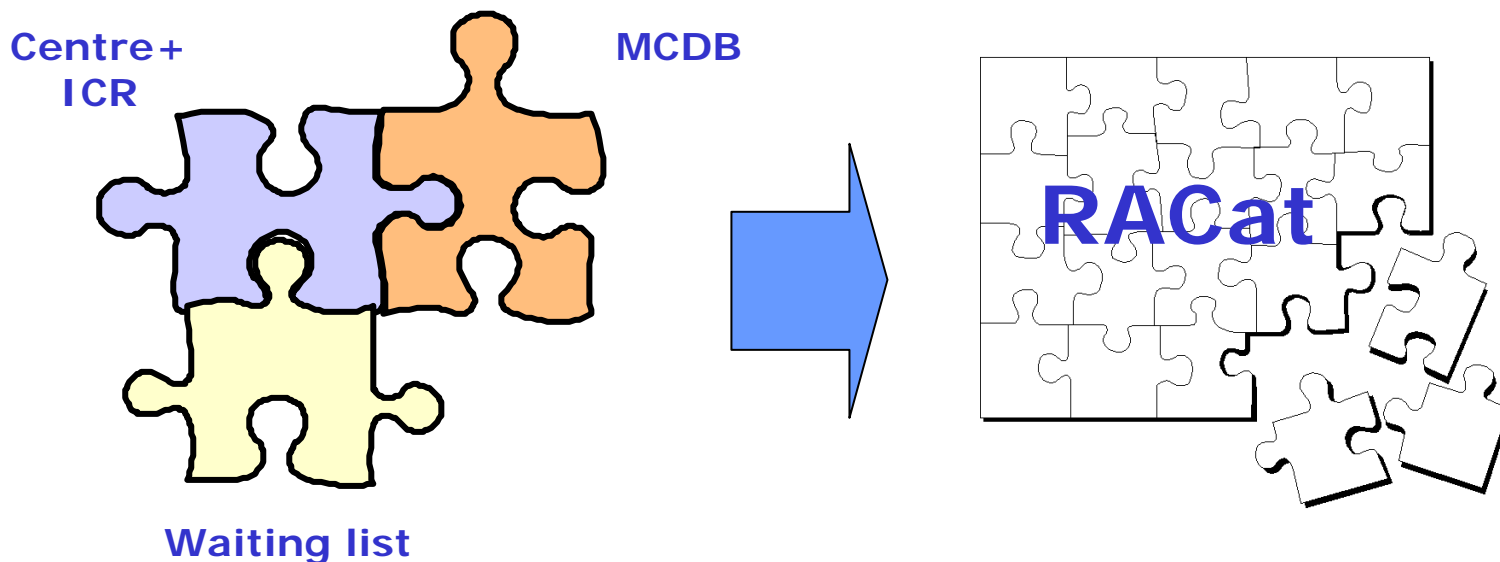
- An institutional agreement was signed between the Catalan Health Service, the Catalan Society of Orthopaedic Surgery and Traumatology and the CAHTA.

## Objective and purpose

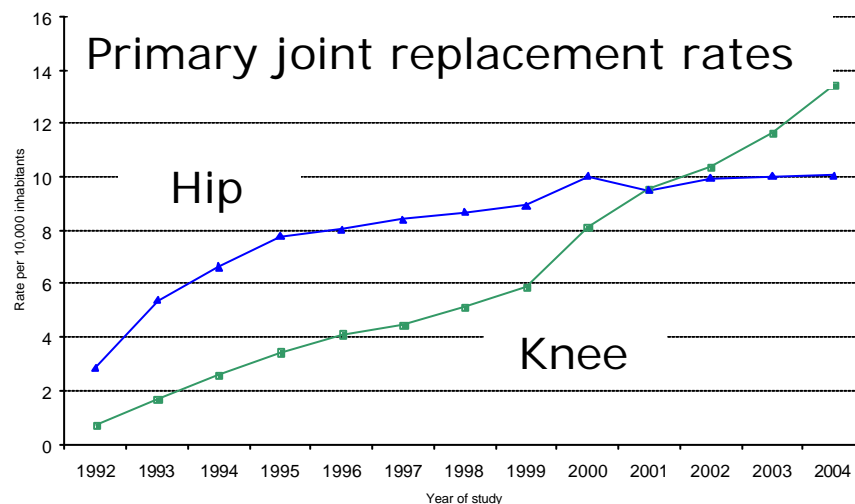
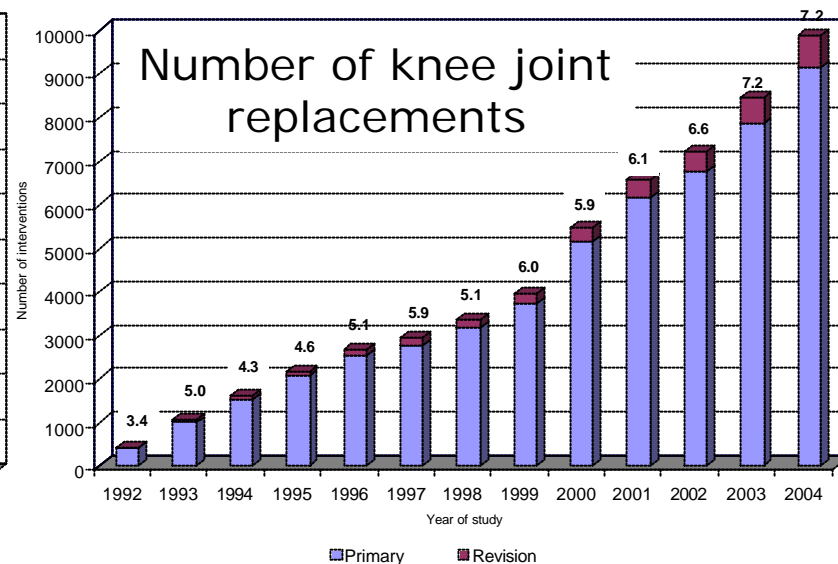
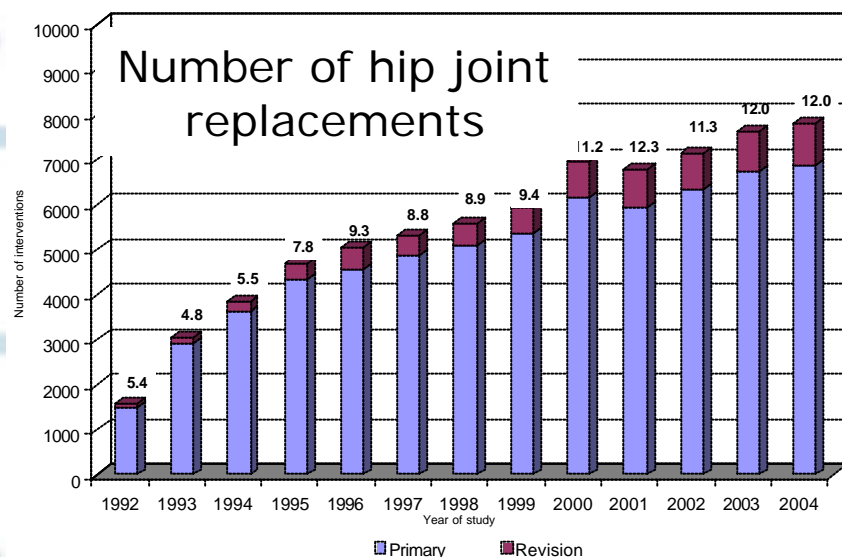
- The main aim is to gather and to analyse data from arthroplasties performed in Catalonia.
- Assessment of prosthesis safety and effectiveness will be possibly.
- The purpose of the RACat is to provide information that may contribute to health care quality improvement.

# RACat's Organisation

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

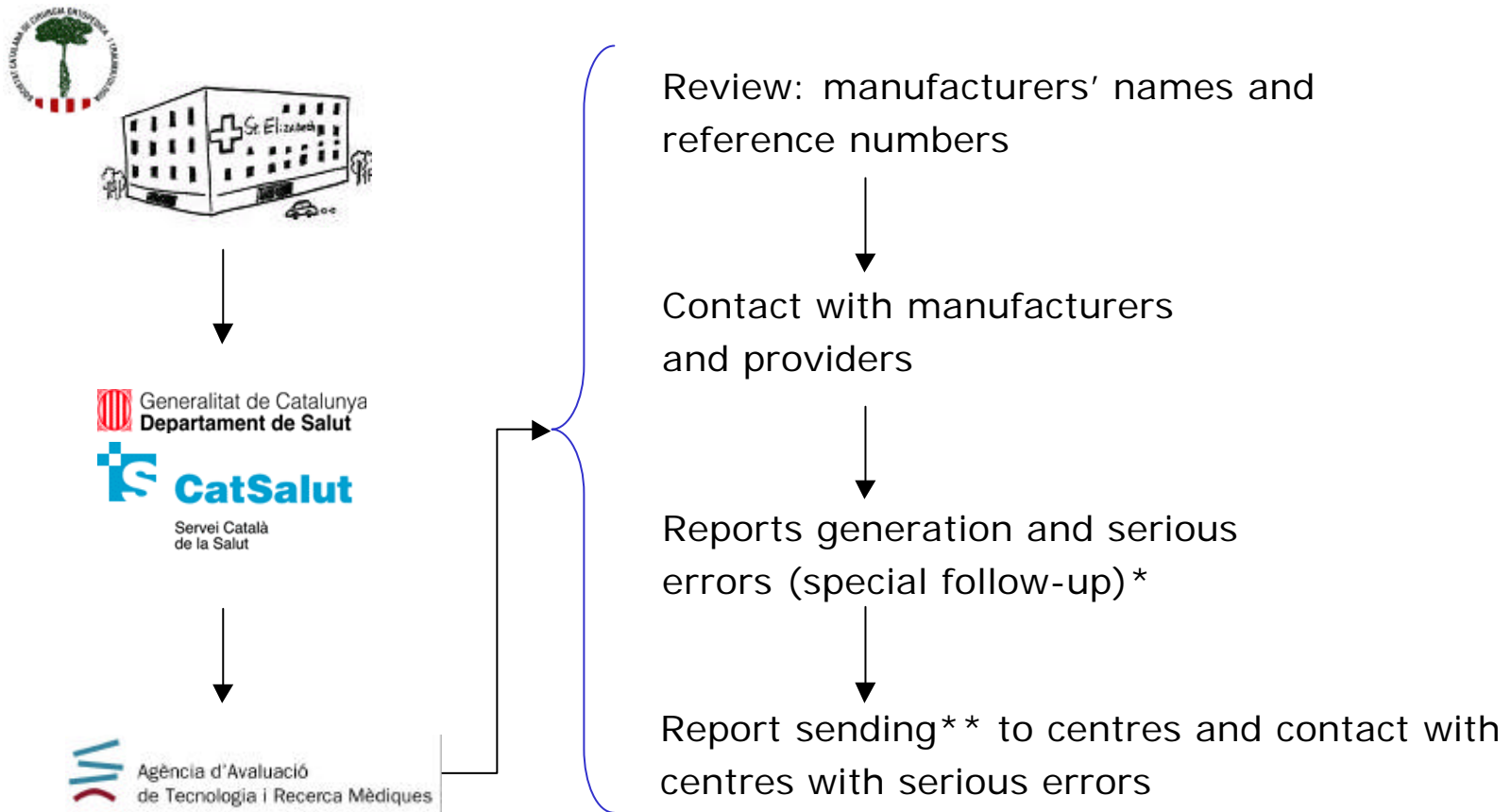


# First Phase of RACat: Minimum Clinical Data Base Analysis



*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



# Index

- 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

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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	

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\*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

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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	

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# Data quality

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