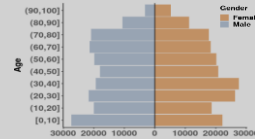


Population statistics

- *Patient:* 371 213
- *Stay:* 3 910 433
- *Document:* 103 344 217
- *Structured data:* 1 081 100 063

- Age (Mean \pm Std): 42,5 \pm 25,8
- Ratio M/W: 0,96
- Man: 182 468
- Woman: 188 745



A Statistics about the whole hospital population over the period

Type of visit	Patient	Stay	Document	Structured Data
Emergency	179 026	482 016	495 500	8 648 494
Outpatient care	328 423	3 737 696	91 363 586	958 639 033
Hospitalisation	124 206	1 787 191	74 702 075	748 109 287
Long-Term care	0	0	0	0

Flow diagram illustrating patient care transitions:

- Emergency** (Right) transitions to **Hospitalization (Short-term)** (Top Left) with 79,376 patients.
- Hospitalization (Short-term)** (Top Left) transitions to **Outpatient care** (Bottom Left) with 98,881 patients.
- Outpatient care** (Bottom Left) transitions back to **Hospitalization (Short-term)** (Top Left) with 96,640 patients.
- Hospitalization (Short-term)** (Top Left) transitions back to **Emergency** (Right) with 33,193 patients.
- Outpatient care** (Bottom Left) transitions back to **Emergency** (Right) with 563,393 patients.

2

2 « Hospitalization »
selection by the user
as the type of stay of
interest

3 « Medical Domain »
selection by the user as
the medical perspective

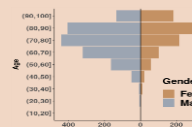
Long-term care

Medical device

5 « Heat failure » diagnosis selection by the user

4 « Cardiology »
medical domain
selection by the user

- General Statistic:		- Population demographics:	
- Patient:	2 465	- Age (Mean \pm Sd):	75,8 \pm 13,7 years
- Stay:	4 528	- Ratio M/W:	1,7
- Document:	8 678	- Man:	1542
- Structured data:	8 678	- Woman:	923



B Statistics about the selected population over the period (hospitalization, cardiology, heart failure)

- Medical observation	-	
- Hospitalization summary		[Document: 7 757 Patient: 1 883]
- Medical survey		[Document: 6 528 Patient: 1 730]
- ...		
- Biological data	+	
- Imaging data	-	
- Computed Tomography		[Document: 3 987 Image: 304 937]
- Magnetic Resonance		[Document: 3 088 Image: 55 539]
- Ultrasound		[Document: 553 Image: 2 929]
- X-Ray		[Document: 77 Image: 90]
- ...		
- Cytology and pathology data	+	
- Genetic data	+	
- Vital sign data	+	

Medical exams selection

☒ Medical observation

☐ Biological data

☒ Imaging data

☐ Cytology and pathology data

☐ Genetic data

☐ Vital sign data

C Counts of document, images and patients for each data type for the selected population and period

« Medical observation »
and « imaging data »
selection by the user

- Drug exposure +
- Surgery +

Treatments & Cares selection ▼

- Biological devices	+
- Imaging devices	-
- Computed Tomography	[Manufacturer: SIEMENS Model: SOMATOM Force Image: 229 487 Patient: 301 Software version: Syngo CT VB20A] [Manufacturer: Canon Medical System Model: Aquilion Prime SP Image: 7 192 Patient: 74 Software version: V10.40FR003] ...
- Magnetic Resonance	[Manufacturer: Philips Medical System Model: Ingenia Image: 45 280 Patient: 46 Software version: 5.3.1.3, 5.4.1.2] [Manufacturer: SIEMENS Model: Prisma Image: 7 910 Patient: 13 Software version: Syngo MR E11] ...
- Ultrasound	[Manufacturer: MINDRAY Model: Resona 7 Image: 695 Patient: 97 Software version: 2.52.0, 3.3.0] [Manufacturer: Philips Medical System Model: EPIQ 7G Image: 677 Patient: 112 Software version: 6.0.0.556] [Manufacturer: Samsung Medison CO.,LTD. Model: RS80A Image: 676 Patient: 131 Software version: 3.02.11C.1217] ...
- X-Ray	[Manufacturer: Philips Medical Systems Model: AlluraXper Image: 59 Patient: 6 Software version: 8.1.17.2]
- Cytology and pathology devices	+
- Genetic devices	+
- Vital sign devices	+

Medical devices selection

- **Oncology**
- ...

D Description of medical devices associated with image and patient counts according for the selected population and period

Figure 1. Data catalogue overview showing data available at Rennes University Hospital. Filter setting phase : 1) Period of 2021-2023 2) Hospitalization as stay type 3) Medical domain is selected as the primary viewpoint 4) Cardiology as the medical domain 5) Heart failure as main diagnosis 6) Medical observation and Imaging data as type of medical exam visualization. Retrieved data from the catalogue : A) General demographic information on the population B) Demographic information on the population selected C) Statistics about data are structured into “Medical exams” perspectives with the number of documents, images and patients D) Statistics about data are structured into “Medical devices” perspectives with the manufacturer and the model name, the number of images and patients and the software version.