

The French national registry for rare diseases : A whole rare disease registry at national level meeting challenges at EU level

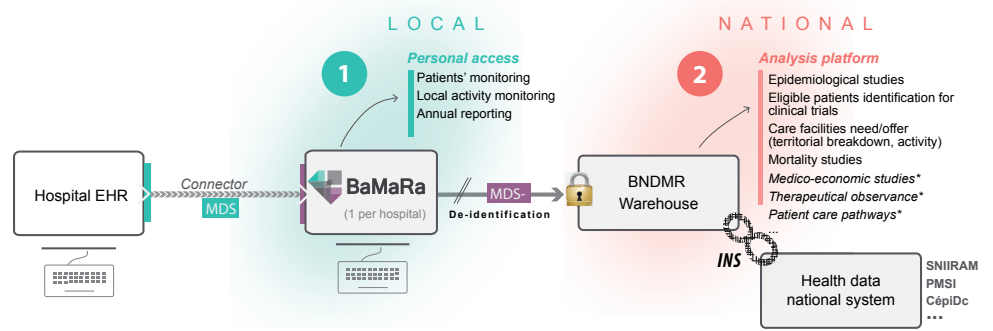


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Context and objectives

The French national registry for rare diseases (BNDMR) was created as part of the second National Plan for Rare Diseases. Its aim is to collect from all expert centers on rare diseases in France a Minimal Data Set (MDS), either from a web app (BaMaRa) or from the electronic health record (EHR). In the end, these data are sent to the BNDMR data warehouse to allow national analyses.

The BNDMR team is also committed to directly make possible the upload of its data to the forthcoming ERN registries and CPMS platform to avoid multiple inputs for the same data for professionals.



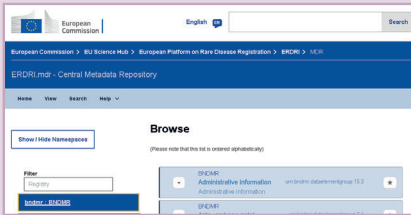
Results (March 2020)

The RD French minimum data set (MDS)

The French MDS contains about 60 items, including :

- ▶ Patient identification
- ▶ Vital status
- ▶ Care pathway & activities
- ▶ Ante and neonatal data
- ▶ Treatment (orphan drugs)
- ▶ Diagnosis (ORPHAcodes)
- ▶ Diagnostic history and accuracy
- ▶ Phenotype (HPO / ICD-10)
- ▶ Genotype (HGNC / HGVS)

Download it on our website: <http://www.bndmr.fr/le-set-de-donnees-minimal/>
 Items also listed on the European Commission ERDRI.mdr platform:
<https://eu-rd-platform.jrc.ec.europa.eu/mdr/view.xhtml>

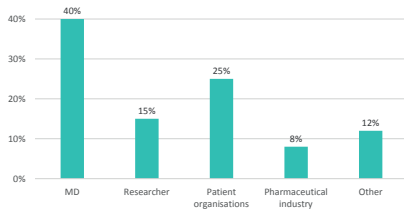


It was the source of the Common data elements of the European Commission constituting the core of ERN registries, therefore it natively overlaps with it.

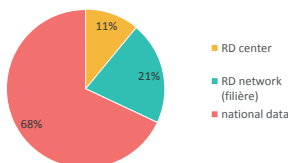
Study requests made on the BNDMR data

30 applications received in **2019**
 + **12** during the first trimester **2020**

Various stakeholders ask for BNDMR data



Granularity level of the data requests



1 The participating network



2 700 professionals
 involves in the data collection
 (medical or paramedical staff, secretary,
 clinical research associate...)



67 hospitals
 including overseas



820 expert centres
 actively collecting data

2 The database content



700 000 patients (3,2% declared as deceased)
22 700 healthy carriers

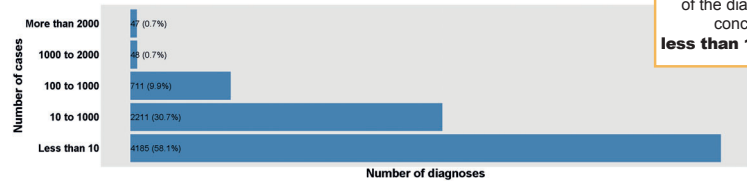


37 500 fetuses
 33% deceased

3 The rare diseases diagnosis

4 640 diagnostic terms
 (Orphanet oomenclature)

Distribution of diagnoses by number of cases (in classes)



More than half of the diagnoses concern **less than 10 cases**

Level of diagnostic confirmation



Confirmed diagnosis in only **1 out of 2 cases**



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