

### Spanish Rare Diseases Registries Research Network - SpainRDR

https://spainrdr.isciii.es

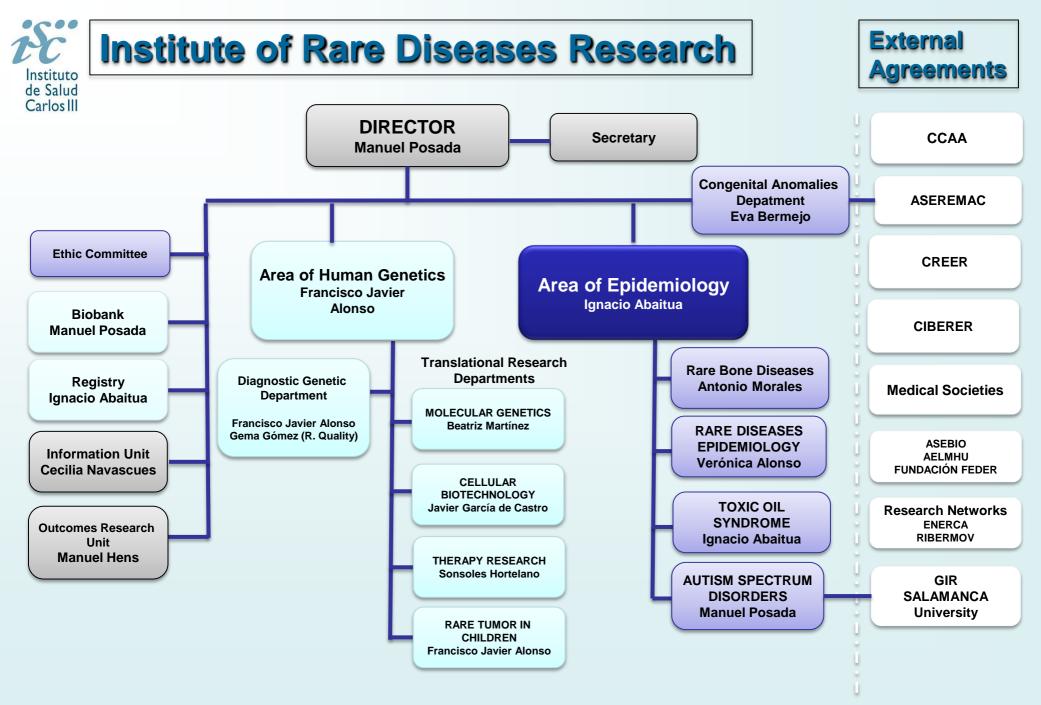
Institute of Rare Diseases Research (IIER)
Instituto de Salud Carlos III

PI: Manuel Posada, Director, IIER





The Instituto de Salud Carlos III (National Institute of Health Carlos III, ISCIII) is the main Public Research Entity funding, managing and carrying out biomedical research in Spain





### SpainRDR: General Aim

- To develop a National Rare Diseases Registry based on the interaction of two different methods
  - Population-based registries
  - Patient research outcomes registries
- to improve prevention, diagnosis, prognosis (at different levels), treatment and quality of life for RD patients and their families using high quality information
  - To facilitate the implementation of RDoriented health and social policies
  - To promote the translational research

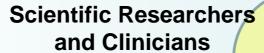


- □ Coordinator: Institute of Rare Diseases Research (IIER, ISCIII) Manuel Posada de la Paz
- ☐ Spanish Ministry of Health, Centre of Reference for RD (CREER), IMSERSO
- Regional Health Departments (17 Spanish regions)
- Medical societies
- CIBERER teams
- Research Networks
- ☐ Industry
- Patient advocacy groups
- Foundations



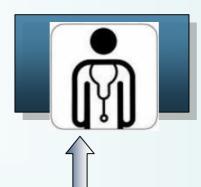


### **Patients**



## Regional Health Authorities (Autonomous Communities)









**Patients registry** 

**Population-based registry** 

RESEARCH

HEALTH PLANNING AND POLICIES

Natural history of the disease

Follow-up

Clinical Trials (recruitment)

**Biological samples** 

SPANISH NATIONAL REGISTRY
OF RARE DISEASES
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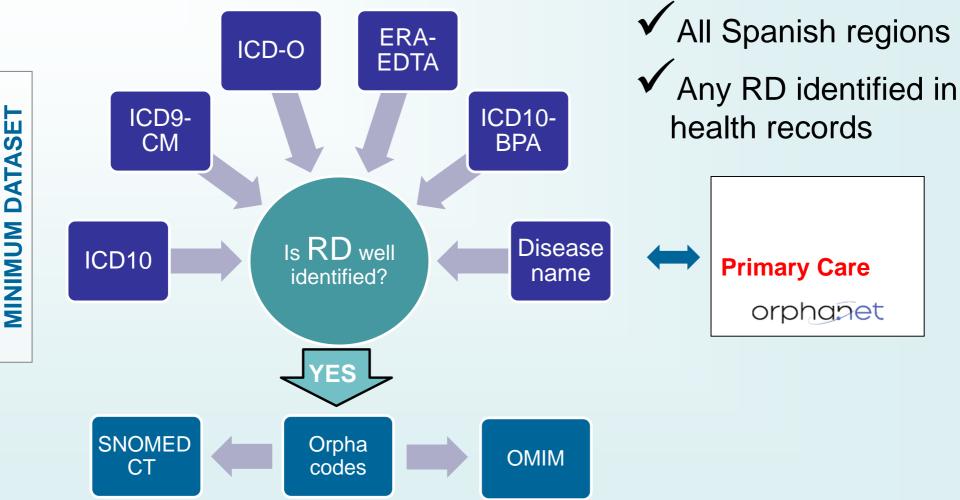
Prevalence

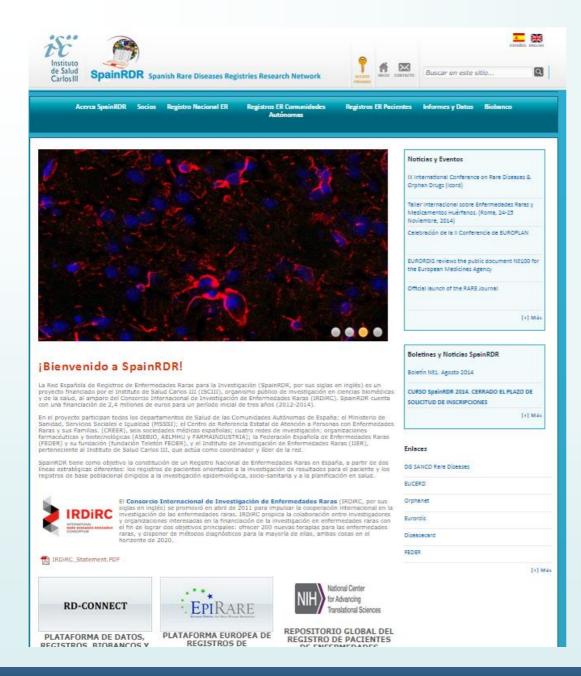
Incidence

Mortality

Natural history of the disease

## Population-based registry





### https://spainrdr.isciii.es

### **ONGOING**

Validation of 1,046,394 RD cases identified in health records (population-based registry)





# Bienvenido al portal de registro de enfermedades raras

Bienvenidos al portal del Registro de Enfermedades Raras del Instituto de Salud Carlos III (ISCIII), desarrollado desde el seno del Instituto de Investigación en Enfermedades Raras (IIER), centro perteneciente al ISCIII y que también forma parte del CIBERER (Consorcio de Investigación Biomédica en Red de Enfermedades Raras).



usuarios online: 26 número de visitas: (283 (

Global Repository https://registroraras.isciii.es

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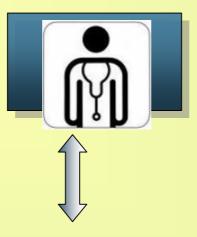
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### **Patients**



### Scientific Researchers and Clinicians



## Regional Health Authorities (Autonomous Communities)





Patients registry ->

RESEARCH

Population-based registry

HEALTH PLANNING AND POLICIES

Natural history of the disease

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OF RARE DISEASES
IIER - ISCIII

Prevalence

Incidence

Mortality

Natural history of the disease



### **Medical Societies**

Spanish Society of Allergy and Clinical Immunology (SEAIC)

Spanish Society of Pneumology and Thoracic Surgery (SEPAR)

**Spanish Society of Family and Community Medicine (SEMFYC)** 

**Spanish Society of Pediatric Pneumology (SEPN)** 

Spanish Society of Neurology (SEN)

Spanish Society of Pediatric Endocrinology (SEEP)

**Spanish Association of ASD Professionals (AETAPI)** 

Spanish Confederation of Intellectual Dissability People Organizations (FEAPS)

Spanish Association of Human Genetic (AEGH)

### **Under negotiation**

Spanish Society of Pediatric Neurology (SENEP)

Developmental Neurosciences Association of Andalusia (ANDA)

Spanish Association of Neonatal Screening (AECNE)



## **Patients Registries**

#### **SEEP**

<u>Differentiation Sexual Disorders (DSD)</u>

#### **SEAIC**

Bradikinin mediated angoiaedema

#### **SEPAR**

 Alveolar proteinosis; Alpha-1 antitrypsin deficiency; Histiocytosis X; Lymphangiomatosis; Sarcoidosis; Tracheal stenosis

#### SENP

Pulmonar Interstitial Fibrosis in children

#### SEN

Spinocerebellar ataxias and Paraparesia
 Spastic Familiar

#### **CIEMAT**

Epidermolysis Bullosa

#### SEEP

- Congenital Suprarenal Hyperplasia
- SEOHP+ENERCA+SEOH
  - Congenital and rare aenemias
- European Network
  - <u>Spanish registry of patients with</u> McArdle disease
- SEOM
  - Rare cancers: Retinoblastoma;
     Ewing tumor; Suprarenal Cancer;
     Familiar Pancreas Cancer
- FUNDAME
  - <u>AME</u>
- All rare diseases included in the neonatal screening national program
- All diseases with OD marketed in Spain



### **Translational Research**

- National RD Strategy
- Projects
  - TREAT-NMD Clinical Trial
  - School and RD children (bullying)
  - Drugs repurposing
  - Ictiosis
  - mRNA and autoimmune diseases



## Summary

- SpainRDR is covering an important role in the RD field in Spain
  - Full Cooperation (NHS & SS; Researchers; Industry and Patient Organizations - FEDER)
- Challeging topics
  - Case ascertainment
  - Validity and reliability data
  - Sostenibility

A national experiency useful for some others



Thank you very much mposada@isciii.es

### **Acknowledgements**

