

European LGMDR9 Community Conference

SATURDAY 25TH MAY 2024

Patient registries: Supporting research & the patient community

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What are registries?

- Research databases containing demographic, genetic and clinical information on individuals affected by a specific condition or gene mutation
- Can be regional, national or international depending on prevalence of specific condition
- Registration is frequently initiated by the patient. All registries must have patient consent to collect, store & share their data appropriately
- Registries can be either patient self-reported (usually via a secure website), clinically-reported (doctors provide information), or a combination of both
- Information collected should be reviewed & updated regularly



What are registries?

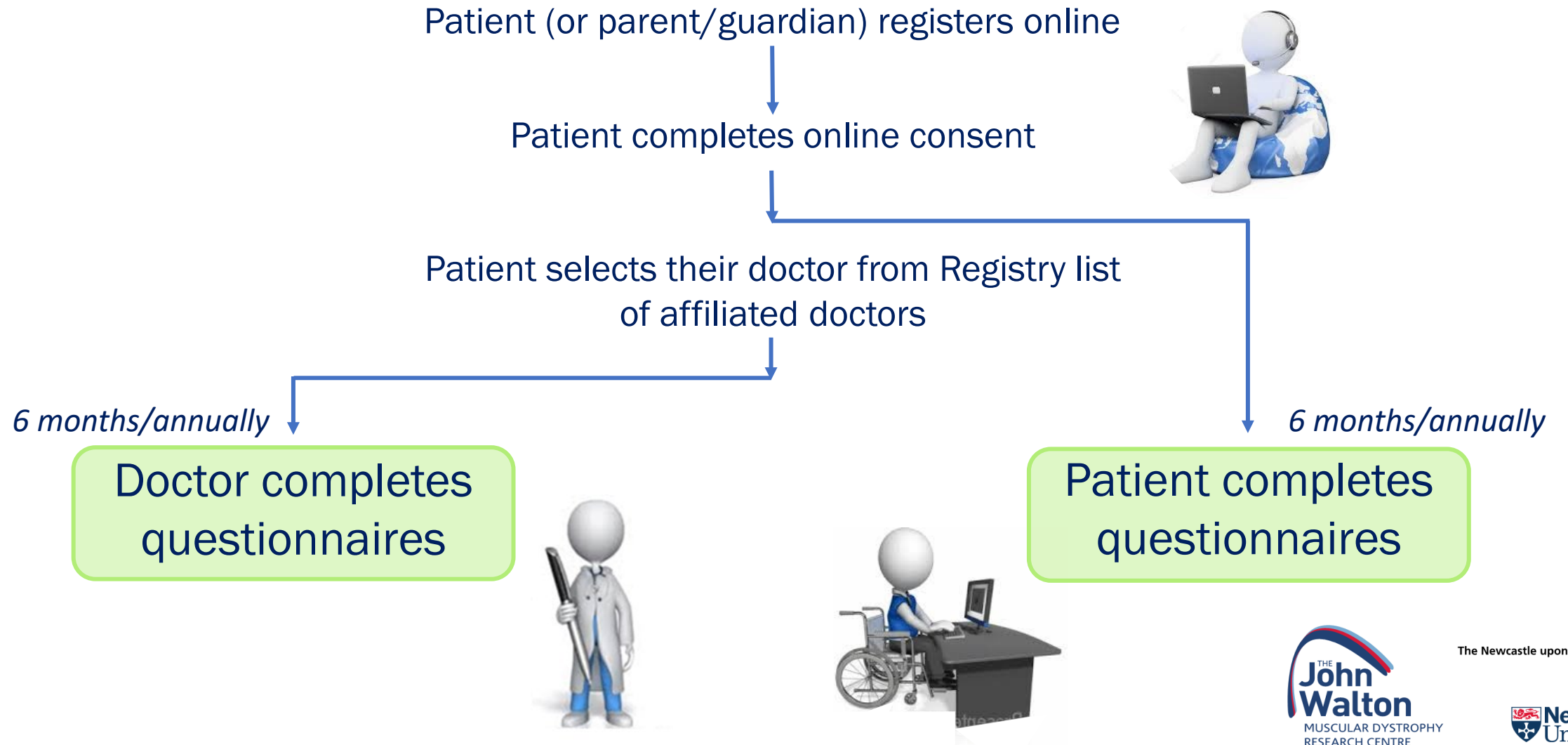
- Collect **real world data** to inform understanding & development of standards of care
- Provide **natural history & epidemiology** data



- Identify **participants** for clinical research & trials
- Inform **regulatory pathways** and monitor the **safety and efficacy** of new therapies

- Answer specific **research questions** from academics, healthcare professionals and industry
- **Link** the research community to the patients by offering a two-way flow of information

How does a registry work?



How are registries used?

- In rare diseases, registries play a vital role in patient identification for research, study recruitment & subsequent therapy development
- **Who?** - Enquiries are received from academic researchers, industry, healthcare professionals & regulatory authorities
- **How?** - Submit an enquiry into the registry
 - Reviewed by registry Steering Committee
 - May be a cost associated with an enquiry



Steering committee



- **Dr Lindsay Alfano**, Nationwide Children's Hospital, USA
- **Kelly Brazzo**, CureLGMD2i Foundation, USA
- **Professor Nicholas Johnson**, Virginia Commonwealth University, USA
- **Dr Jean-Pierre Laurent**, LGMD2i Research Fund, USA
- **Dr Katherine Mathews**, University of Iowa, USA
- **Professor Volker Straub**, Newcastle University, UK
- **Dr Kristin Ørstavik**, Oslo University Hospital, Norway
- **Professor John Vissing**, University of Copenhagen, Denmark
- **Professor Maggie Walter**, Ludwig-Maximilians-University, Germany
- **Lacey Wood**, LGMDR9 patient, USA

The Global FKRP Registry



- Established 2011, coordinated at Newcastle University, UK
- International database of clinical and genetic data, with long-term follow-up
- Individuals with a confirmed diagnosis of a condition caused by changes in the **FuK**utin-**R**elated **P**rotein gene (FKRP)...

LGMDR9/2I	Limb Girdle Muscular Dystrophy, Type R9	<i>MDDGC5 (Muscular Dystrophy-Dystroglycanopathy (Limb-Girdle), Type C, 5)</i>
MDDGB5	Muscular Dystrophy-Dystroglycanopathy (Congenital with or without impaired intellectual development), Type B, 5	<i>MDC1C (Congenital muscular dystrophy-dystroglycanopathy)</i>
MDDGA5	Muscular Dystrophy-Dystroglycanopathy (Congenital with brain and eye abnormalities), Type A, 5	<i>FKRP-related Walker-Warburg Syndrome (WWS) and FKRP-related Muscle-Eye-Brain Disease (MEB)</i>

What is in the Global FKRP Registry?

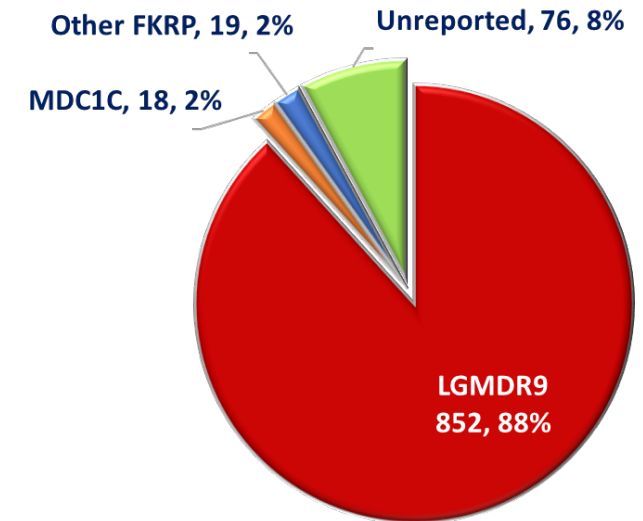


Patient-reported data	Demographics
	Diagnosis
	Motor function
	Wheelchair use
	Myalgia
	Ventilation
	Family history
	Quality of Life
Doctor-reported data	Disease onset
	Respiratory function
	Cardiac function
	MRI
	Cognitive function
	Contractures
	Other medical problems
	Function assessment scores
Genetic mutation	

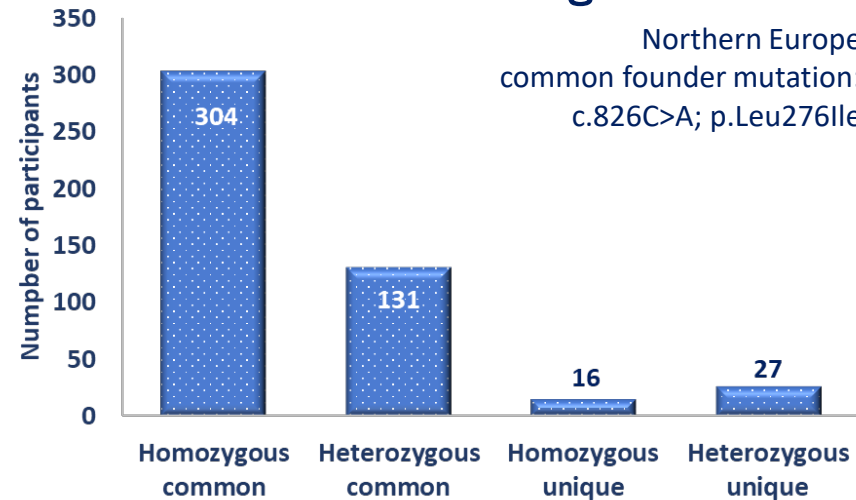
Registration numbers

	Male	Female	Total
Patients	430	535	965
Genetically confirmed patients	217	261	478

Diagnosis

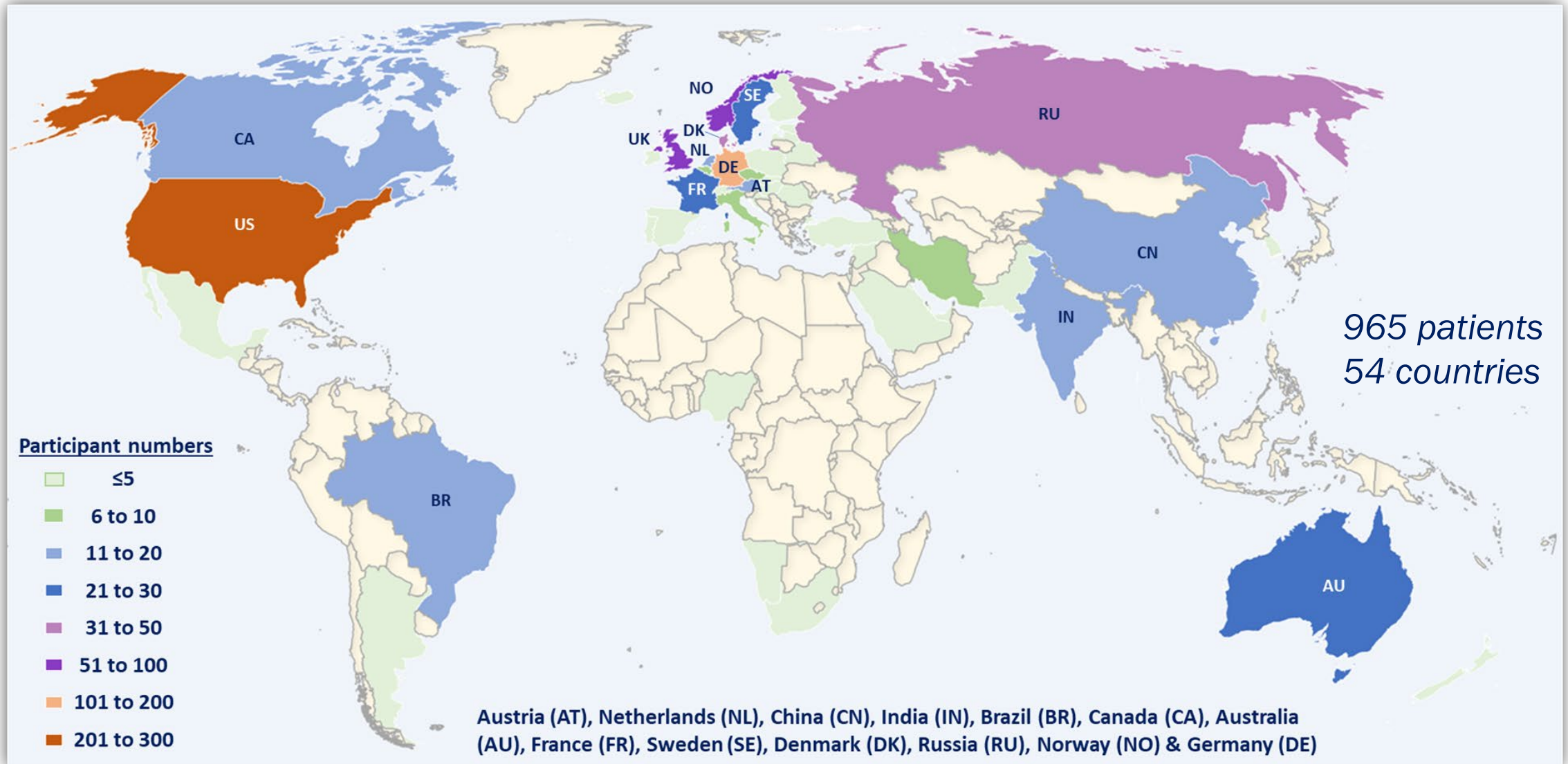


FKRP gene mutation



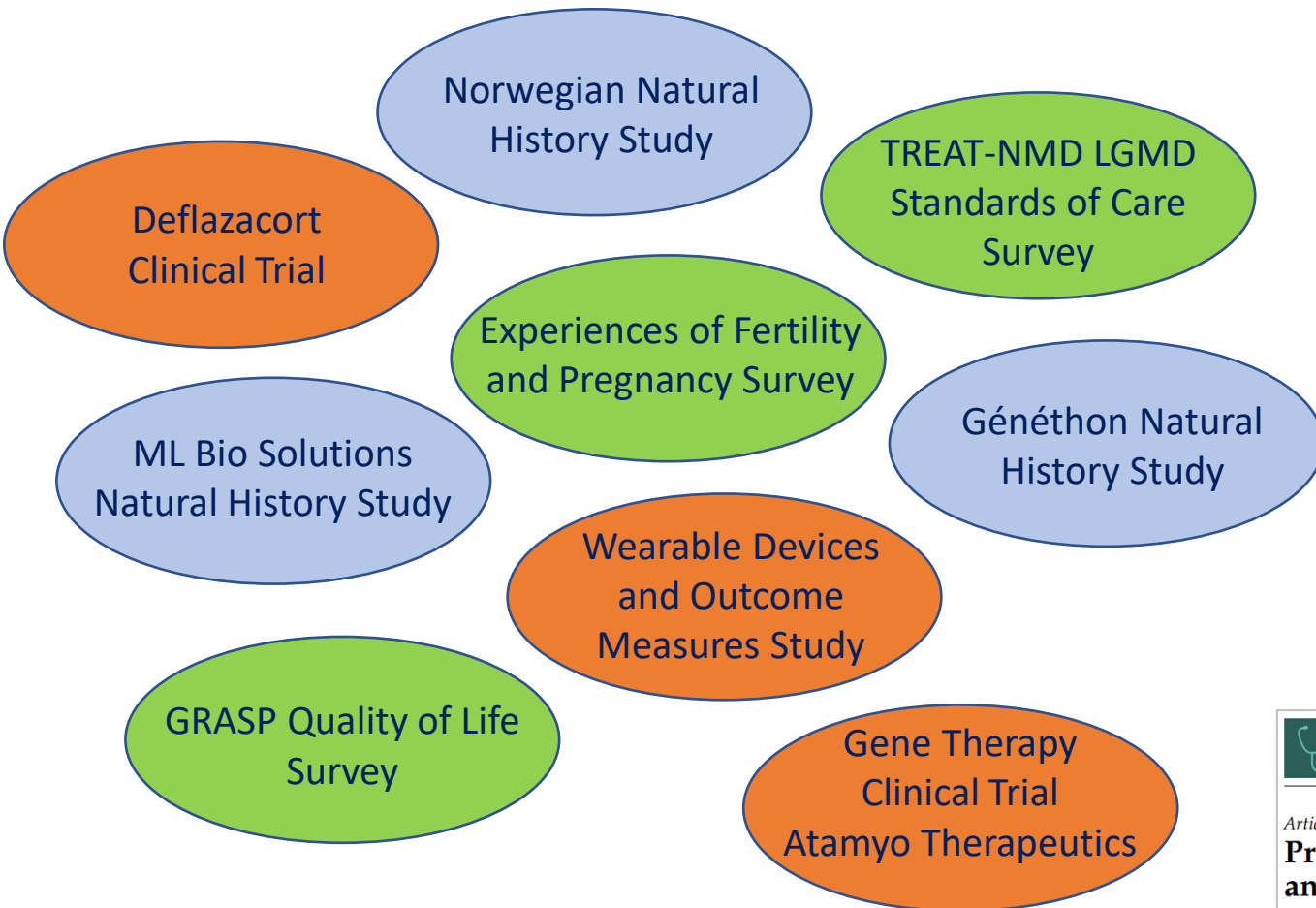
- 230 doctors from 35 countries
- New TREAT-NMD LGMD Core Dataset will be implemented this summer

Global distribution of global participants

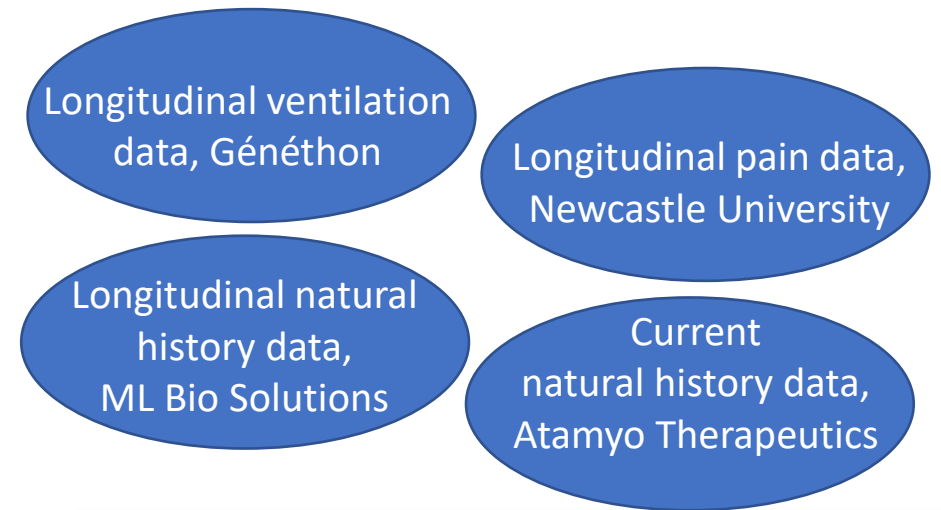


How is the Global FKRP Registry data used?

Recruitment of research participants



Data reports



Benefits to patients and families

- Newsletters
- Find out about relevant **disease-specific news**
- Sense of **community**
- **Point of contact** with the curator - we will try to find someone to answer your questions if we can't!
- **Contribution** to research



The Myotubular and Centronuclear Myopathy Patient Registry
Edition 3: April 2018

Muscular Dystrophy UK
Fighting muscle-wasting conditions

MD
Myotonic Dystrophy
MYOTONIC DYSTROPHY GROUP

TREAT
Neuromuscular

UK Myotonic Dystrophy Patient Registry Newsletter

Summer 2022 Newsletter

Global Registry for dystrophinopathies

GLOBAL FKRP REGISTRY
Issue 7 October 2018

Newsletters

REMEMBER TO UPDATE YOUR INFORMATION

The Registry is only as good as the information held within it so it is vital that you keep your records as up to date as possible.

Since patients with FKRP mutations are rare, every single person counts!

Welcome to the 7th Global FKRP Registry Newsletter!

What's inside?

- Global FKRP Registry statistics
- FDA recognition of 'Real-World' data
- Steering Committee update
- Patients' stories
- Research updates
 - Mouse models
 - Natural history
 - Gene therapy
- The renaming of the LGMDs

Provide a source of information to support development of Standard of Care

Disseminate relevant FKRP-related information

Allow rapid identification of eligible patients for clinical and research studies

Provide a source of information to Researchers and industry to support research

Support the FKRP community

Support the FKRP community

Data provided by a patient and their nominated doctor is treated confidentially and with respect. Only information with personally-identifiable data removed is shared outside the registry and only with the approval of the Registry Steering Committee. The FKRP Registry is led by Professor [Name] United Kingdom, and [Name] [Country].

1 - The John Walton Muscular Dystrophy Research Centre Team

WITH THANKS

