The European Cystic Fibrosis Society Patient Registry (ECFSPR)



9th South Eastern European CF meeting

Ljubljana, 16 November Jacqui van Rens

Value of the Registry Patient organisations: Lobby for CF care Patients: Healthcare authorities: Information outcomes Information about CF Access new therapies and CF care Registry Clinicians: Prepare for clincial trials Monitor safety & effec-Compare with other centres/countries tiveness new drugs Monitor quality of care Research: Insight in the disease Identify disease modifying factors

The European CF Patient Registry



Good picture of cystic fibrosis: it is important to collect data from as many patients as possible.

Mission:

To collect data to compare aspects of CF and its treatment

new standards of CF care

Inform public health planning

Enable research

Data

Collection







Anonymised data







36 countries >44,000 patients

Longitudinal data

2008-2016





ECFSPR Variables

Demographic

age, gender, status of patient

Diagnosis

age at diagnosis, sweat test, meconium lleus, neonatal screening

Genotype

1st and 2nd mutation

Growth / lung function

value of best FEVI and FVC, height and weight at best FEVI

Microbiology

Pseudomonas aeruginosa, Staphylococcus aureus, Burkholderia cepacia

Complications

Diabetes, liver disease, pancreatic status, malignancy

Therapy

antibiotic, bronchodilators, oxygen therapy, pancreatic enzymes

Transplant

Lung / liver transplantations

Software

Data-collection software: ECFSTracker



A platform for the collection of CF data for all purposes

- ✓ Online
- ✓ Data-collection once a year
- Encounter data at each patient visit
- ✓ Advanced Security Technology
- ✓ Add-on modules
- ✓ Remote updates





Software Collection



Excel-file Upload

Direct Data-Entry





Software | ECFSTracker - the software















Bulgaria and Herzegovenia





































































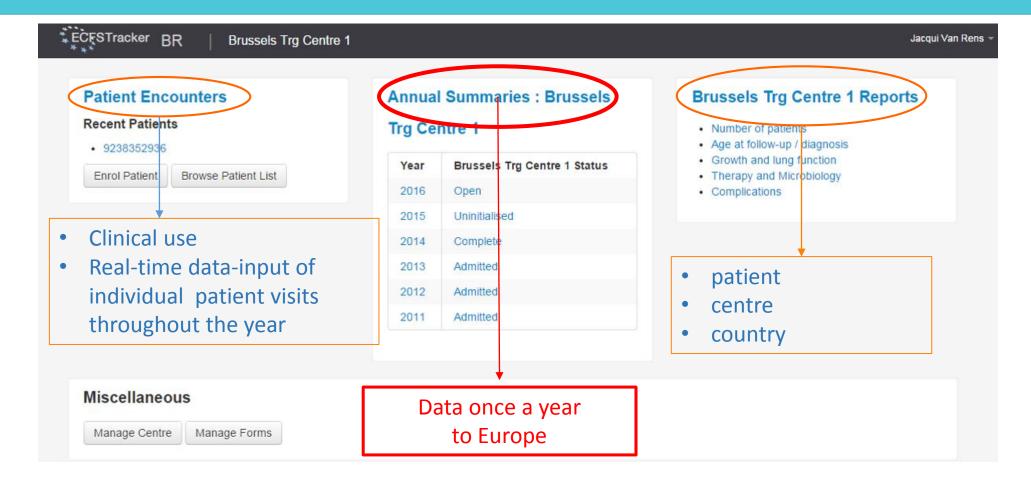




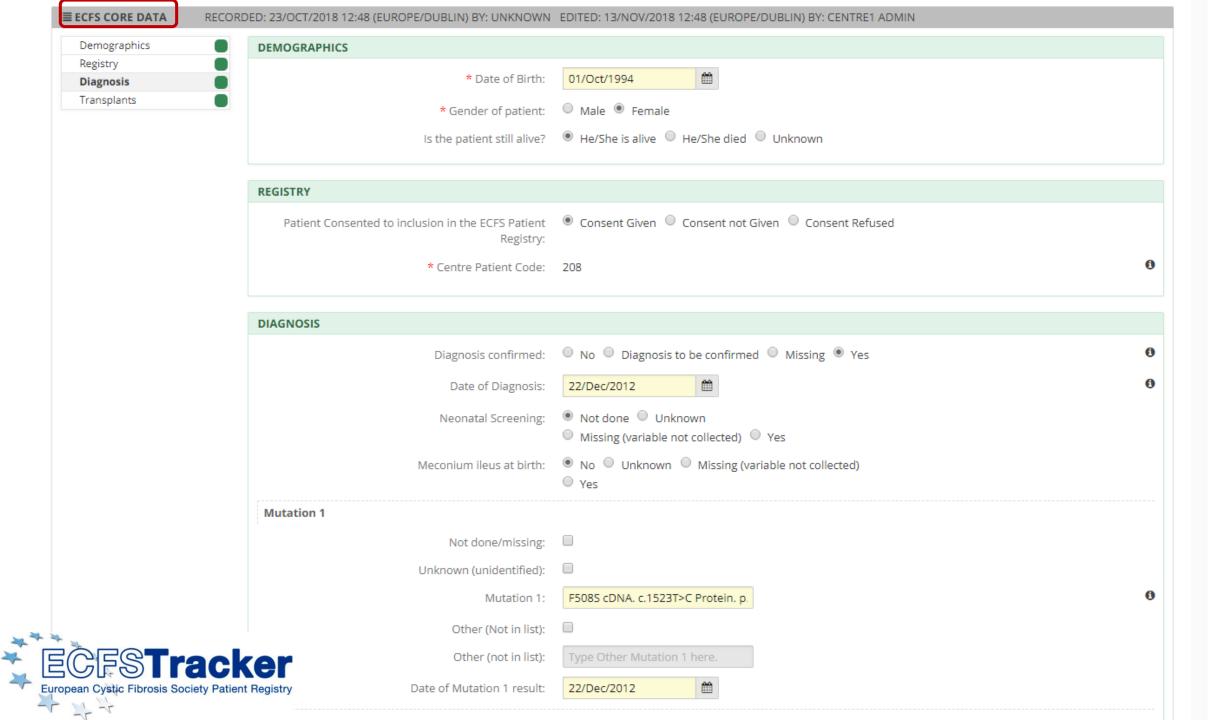


Software

ECFSTracker - Dashboard

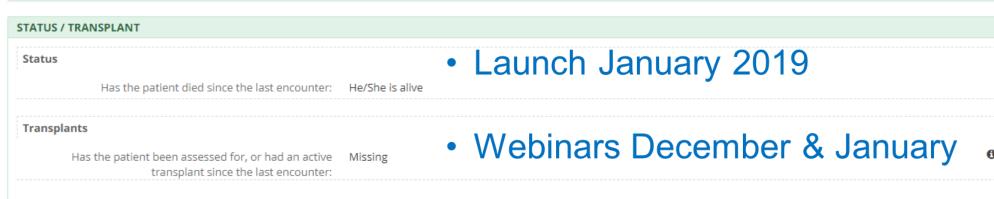








DATE		
Name of clinic:	Centre One	0
Date of encounter:	21/Oct/2018	0
Doctor:	Centre1 Admin	•



Weight: 60 kg Height: 165 cm FEV1: 2.5 litres FVC: 3 litres Date of FEV1 21/Oct/2016 measurement: FEF 25 - 75: 3 litres/sec FEF 25 - 75 % of predicted: 3.2 % Seen by physiotherapist: No Seen by dietician: No



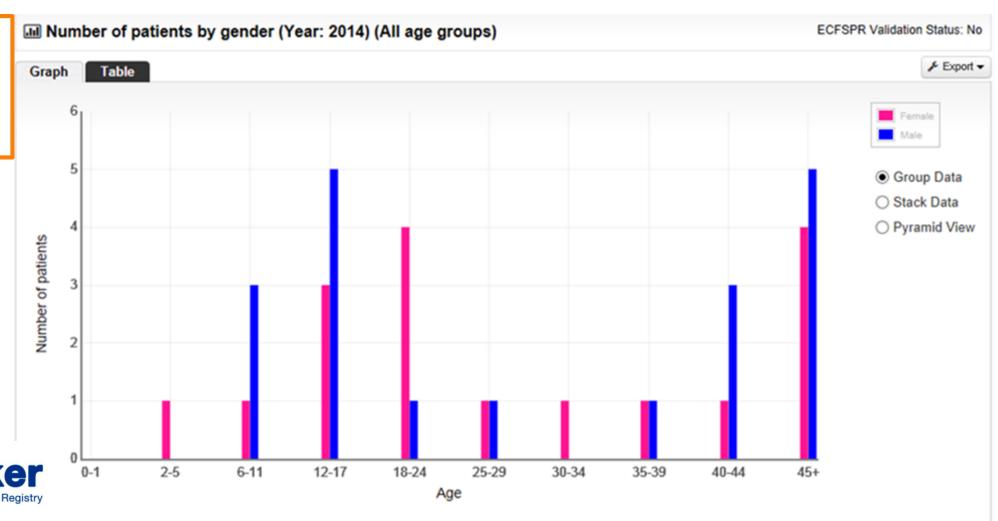


RESPIRATION

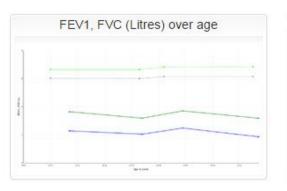
Centre Reports

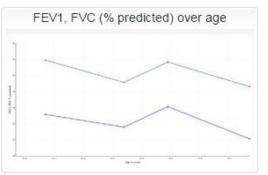
Categories of report

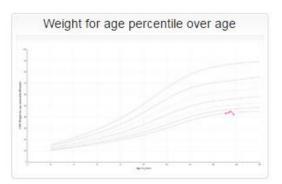
- · Number of patients
- · Age at follow-up / diagnosis
- · Growth and lung function
- · Therapy and Microbiology
- Complications

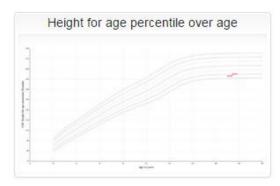


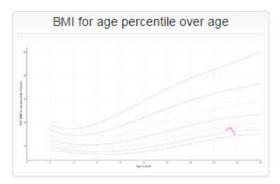
Patient Reports





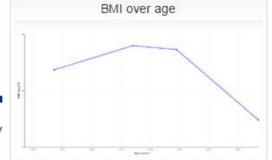


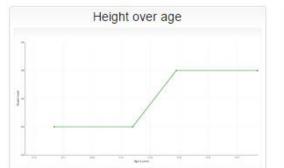


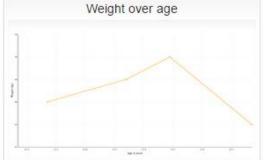












Input

Benchmarking module

Cross-comparison of indicators of quality of care (= benchmarks), e.g. lungfunction, median BMI, proportion adult patients



- Centre vs Country / multiple Countries CF care
- Centre vs other centraporto VIC Country (upon approval)

A powerful arsoo

Direct feedback to Centre Staff

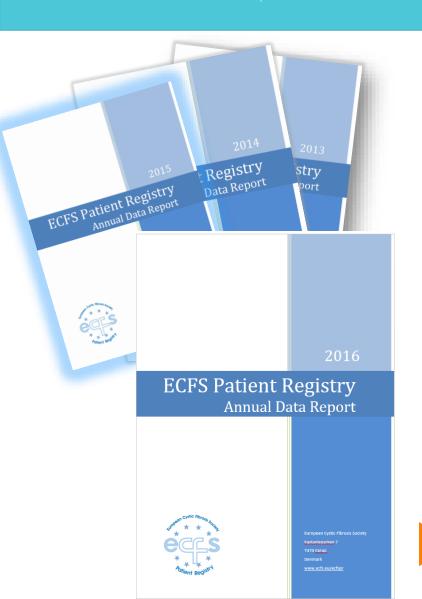


Identify areas for improvement

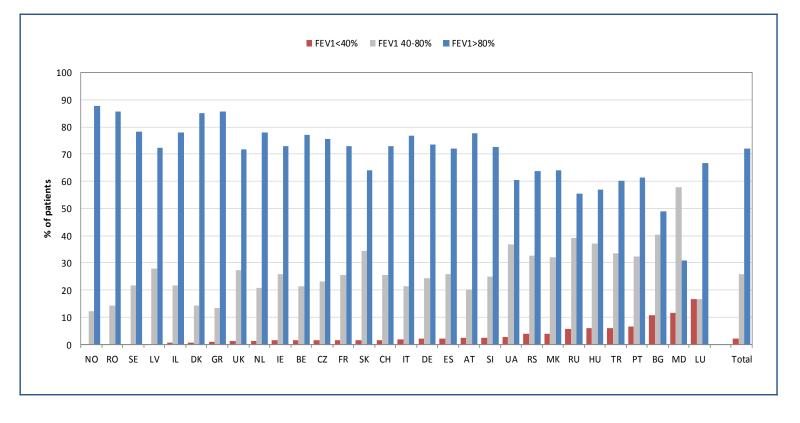




Annual Data Reports



Variation of severity in CF lung disease in patients 6 – 17 years



Within 18 months after the close of the follow-up year!

Research

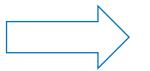
Database:

- anonymised data of 40.000 patients
- agreed inclusion criteria, definitions & coding
- Linked data from 2008 to 2016

Good reflection of the natural heterogeneity in CF

Data-applications welcome!

- Hanled according procedure
- Detailed information on website



APPLICATION FORM ECFSPR DATA							
All requests for data extraction must be submitted with this to ensure review of your app	form. We ad	vise you to	read all infor	mation and o	omplete the	form as best	(ECFSPR) as possib
Applicant details							
Name Primary Investigator (incl. title):							
Primary contact (if not PI):							
Institution/Organisation:							
Position:							
Address:							
Email:					Phone:		
Date of request:							
Research Project Info	rmation						
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Project Name: Project Objective(s): Description of the Project: Brief Background Information (incl. justification of the clinical relevance): Research Question/Hypothesis: Study Design:	rmation						

www.ecfs.eu/projects/ecfs-patient-registry/data-request-application

Manuscripts in the pipeline



International and pan-European comparison of survival in CF

Changes in demography and clinical outcomes in CF in Europe

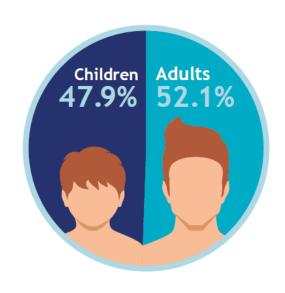
Risk factors of FEV1 decline in patient with CF across Europe

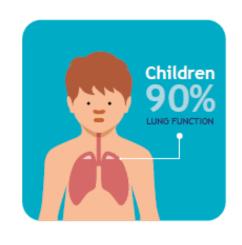
Changing epidemiology of the respiratory bacteriology in CF in Europe

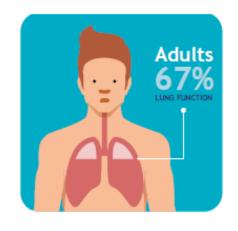
Impact of Dornase Alfa on rate of decline in lung function



At-a-Glance Reports

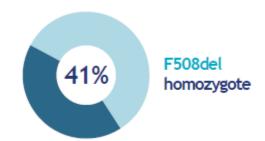


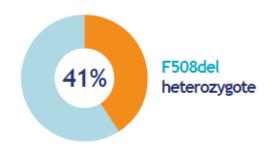
















Register evropskega združenja za cistično fibrozo









Zakaj je potreben Evropski register CF bolnikov?

Citična fibroza (CF) je redka bolezen. Da bi dobili dobro predstavo o CF v Evropi, potrebujemo čim več podatkov. Ti podatid so pomembni za boljše razumevanje bolezni, spodbujanje novih evropskih standardov ośrbe in zdradjenja, izvajanje raziskav ter oblikovanje javnega zdravstvenega načrta.

Register evropskega združenja za cistično fibrozo

Zbira, meri in primerja podatke otrok in odraciih s cistično fibrozo, ki življo v Evropi in socednjih državah, in se strinjajo z vključitvijo v register. Te informacije uporabija za izboljšanje zdravja in dobrega počutja ljudi s CF.

Kako lahko uporabim podatke tz Registra?

BOTSPR objektja: Letna ponočila z demo-grafiskmi in kliničnimi podatić po vsej Evropi in Kratica ponočila s ktjučnimi informacijami o CF v

Ta poročila omogočajo:

- lokalním zándenjem bolníkov, da nazpraví jajo z odloženácí v záravstvu in drugimi udeleženími, o možnostih toboljšave obravnave CF v vaší državi.
- matnost primerjave CF centra(ov) z drugimi državami in določitev področij z možnostjo bboijfave.
- da se pogovorite s nvojim adravnikom o bvidih in pričakovanjih.

CF v Evropi

CF v Sloveniji

Pljučna funkcija:

FISH je meršo pijučne funkcije. Predstavlj največji volumen znaka, ki ga lahko točitne oseba v prvi sekundi po globokem vdihu.

FEVTE je deleđ povprečne vrednosti FBY1 za zdrave ljudi iste stanosti, spola in viline, id je norminana na 100%.

sebe s CF imajo dve mutaciji značlini za CF, no padedovano od mame to drugo podedovano Remodipath size mutaciji sta eraki.

interestigati mutaciji sta motični.

Kateri podatki se zbirajo?

- leto/mesec rojstva, spol.
- · genotip, simptomi ob postavitvi diagnoze
- pljučna funkcija, teža, vitina, vrste okufb, terapija, določení zapletí

Podetki so anonimni in shranjeni v zaščiteni podatkovní zbírid. Za ravnanje s podatid uporabljamo natančno opredeljene umemice, id jih nadzira odbor strukovnjakov.

Kako se lahko vključim v ECFSPR?

Preverite pri svojem lokalnem CF centru. Ce center sodeluje v ECFSPR, bi morali že biti vidjučeni, če ste podpisali obrazec za privolitev.

Če vali CF center ne sodeluje, prosite svojega zdravnika, da nas kontaktira, ali pa nam polijite kontaktne podatke, da bomo lahko stopili v stik z varri.









Social Media



Facebook



Safety and efficacy studies

New drugs on market need to be monitored.

How?

2016 : start discussions with European Medicine Agency. ECFSPR model for other rare diseases.

2018: qualification of ECFSPR as appropriate platform for the collection of data for long-term safety and efficacy of new therapies.

Output Data Quality

Further improve quality of data ->request EMA

- 1. Complete standard operating procedures for all activities
 - National Registries + Countries using direct data-entry
- 2. Start validation visits in centres using direct data-entry in EU from 2019
 - 20% of the countries, 10% of the data
 - Check informed consents

Governance

Organisation

Contributors CF centres national registries Data

Steering Group Country representatives Strategy

Committee Steering Group representatives Management **Scientific Comm.** Steering Group representatives Data custodian

Executive

Staff Coordinator Statisticians Service Desk

Interaction



Registry How to join the ECFSPR?

- Legal and Ethical approval
- Informed Patients Consents
 - ECFSPR templates on website
 - Meet requirements of your local legal and ethics laws



Registry What to expect from ECFSPR?

Software & Training & Support

Opportunities to be engaged in research projects

Network to share experience & exchange ideas

Information & documents

Support to promote the value of a (European) registry at national CF meetings



ECFSPR Contact



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