

# Identifying missing links within rehabilitation services for DM1-patients with adult onset in a Danish population



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## BACKGROUND

RCFM has records of 375 persons with genetically verified DM1 (2-81 years),

66 percent have received their diagnosis during adulthood.

We know from experience that many of these patients have been through a variety of complicated and resource-intensive interventions.



## RESULTS

Age distribution for 34 patients (13 male/21 female) at time of diagnosis is 21 to 53 years (median 35 years).

24/34 have a spouse and 4/34 have a parent as closest relative. One patient doesn't have any close relative.

11 of 34 (3 M/8 F) have children with CDM1 or juvenile onset DM1.

23 were diagnosed upon genetic workup of a family member, while 32 percent were newly diagnosed.

All were told they had a genetically verified adult onset type of DM1, and would only experience mild symptoms.

We saw big differences in MIRS scores corresponding to 1-4 at first examination. Median for 28 patients was 2.

Median for possible follow-up period (2007-12) was 8 years (5-10 y).

### Interventions in functional rehabilitation

59% had a functional analysis and rehabilitation plan at time of referral

30% had ad functional analysis and rehabilitation plan at follow-up:

56% had participated in workshop upon referral

12% had attended follow-up workshops

11% had been consulting the physician

32% had never participated in workshop

## AIM

- To characterize a typical course of disease for DM1 patients with adult onset in order to describe their need for functional rehabilitation and interventions.
- To identify challenges and missing links in functional rehabilitation, especially with a view to labor market attachment.

## CASE: SEVEN YEARS WITH "MILD" DM1

Male NN, diagnosed at the age of 38. Reading and learning difficulties during childhood, no physical symptoms. Trained as a carpenter. No known family predisposition at time of diagnosis. Married, two children. Works full-time as courier. Symptoms: fatigue and a great need for sleep. CTG-repeats (PCR): approx.68

### REFERRED SEP 2009



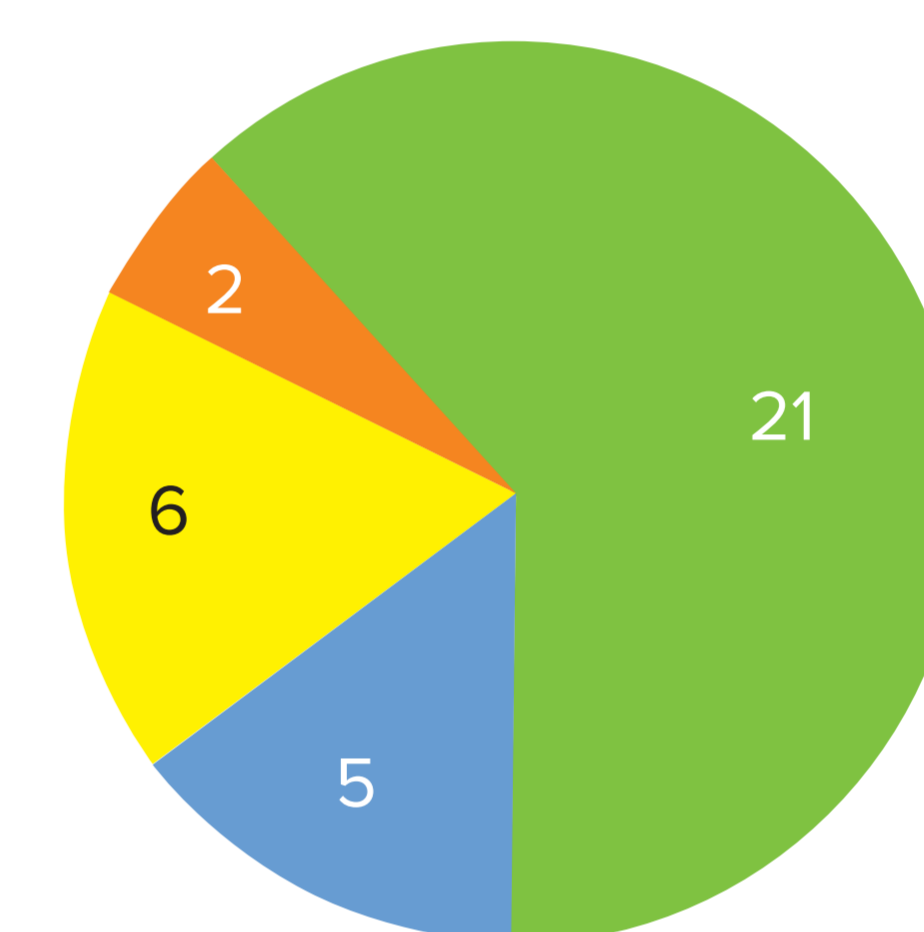
## METHOD

We identified 78 patients with adult onset DM1 between 18-65 years (Danish working age) referred to RCFM from January 1<sup>st</sup> 2007 to December 31<sup>st</sup> 2012 (with possibility for follow-up after 5-10 years),

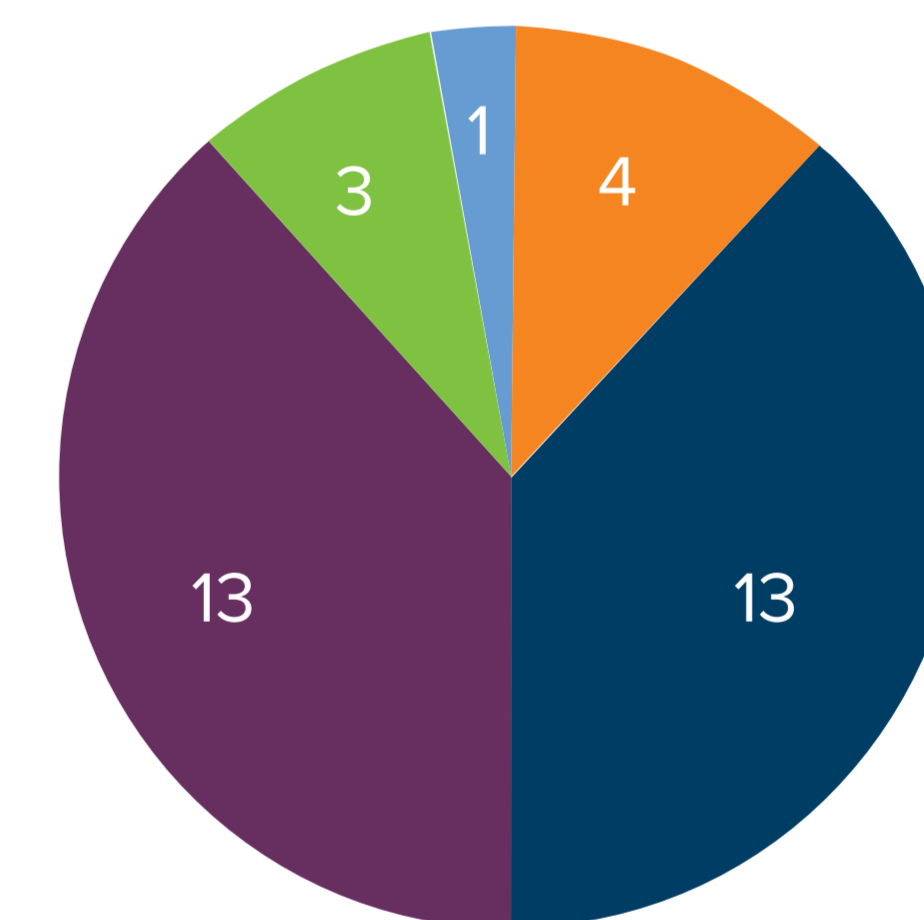
44 were excluded due to age more than 60 years (n=13) and/or referral to RCFM more than 1 year after diagnosis (n=31)).

This left us with 34 patients whose courses of disease were identified retrospectively based on their medical records.

### Labor market attachment at time of diagnosis



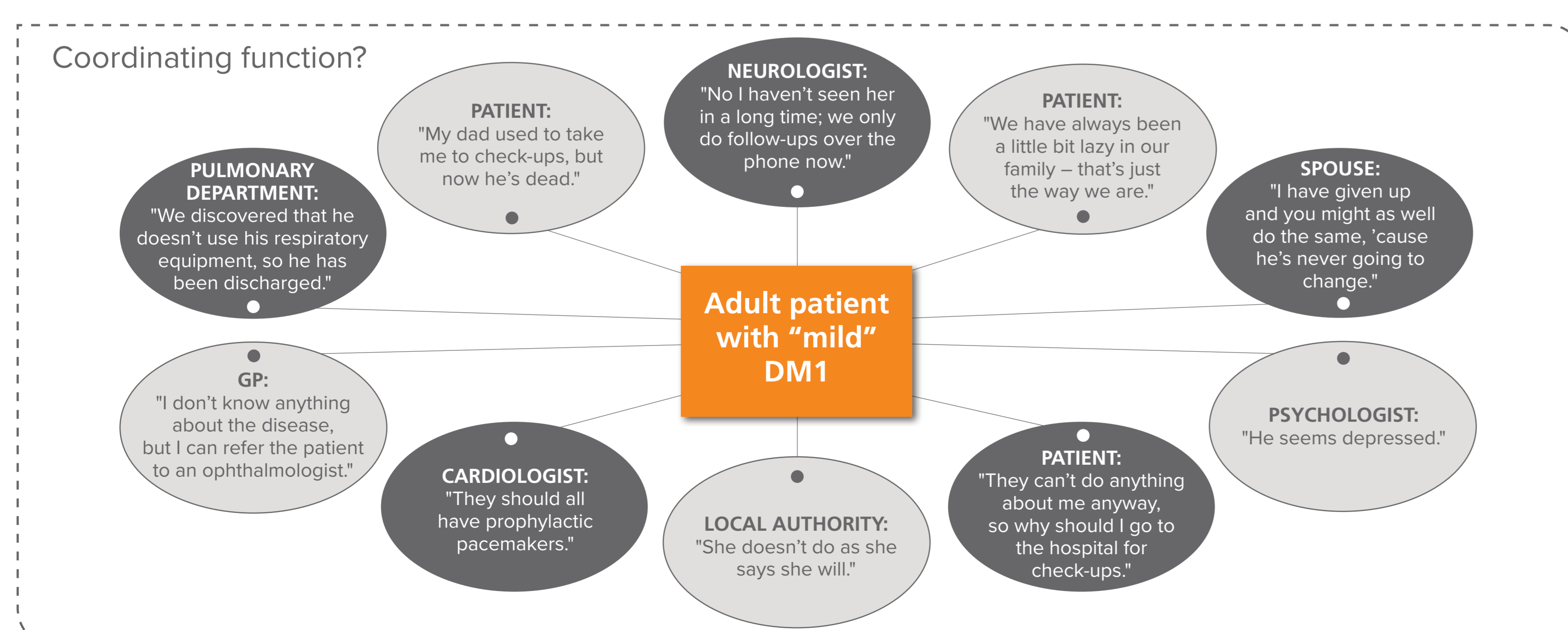
### Labor market attachment 5-10 years after time of diagnosis



## CONCLUSION

- Our findings indicate that labor market attachment has declined radically 5-10 years after time of diagnosis
- 1/3 of the group was lost to follow-up 5-10 years after initial contact.

## POSSIBLE CAUSES FOR DISCONTINUATION OF INTERVENTIONS, - IDENTIFYING THE "MISSING LINKS"



### TO CONSIDERATION:

- Is the "mild adult type" really that mild?
- How to talk about cognitive deficits?
- No need for follow-up?
- Resignation, depression and/or progression?
- Loss of carers and network?