

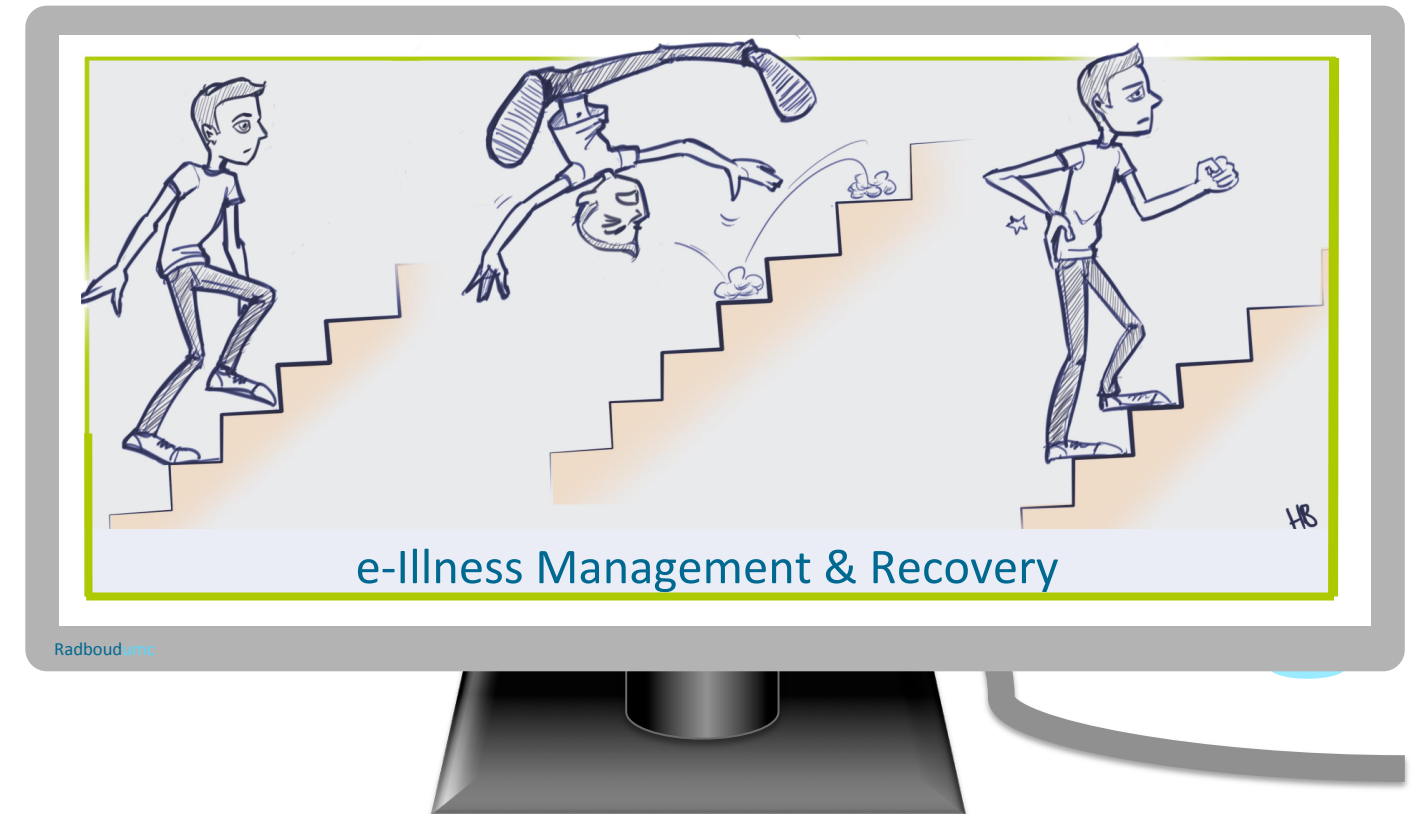
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Introduction

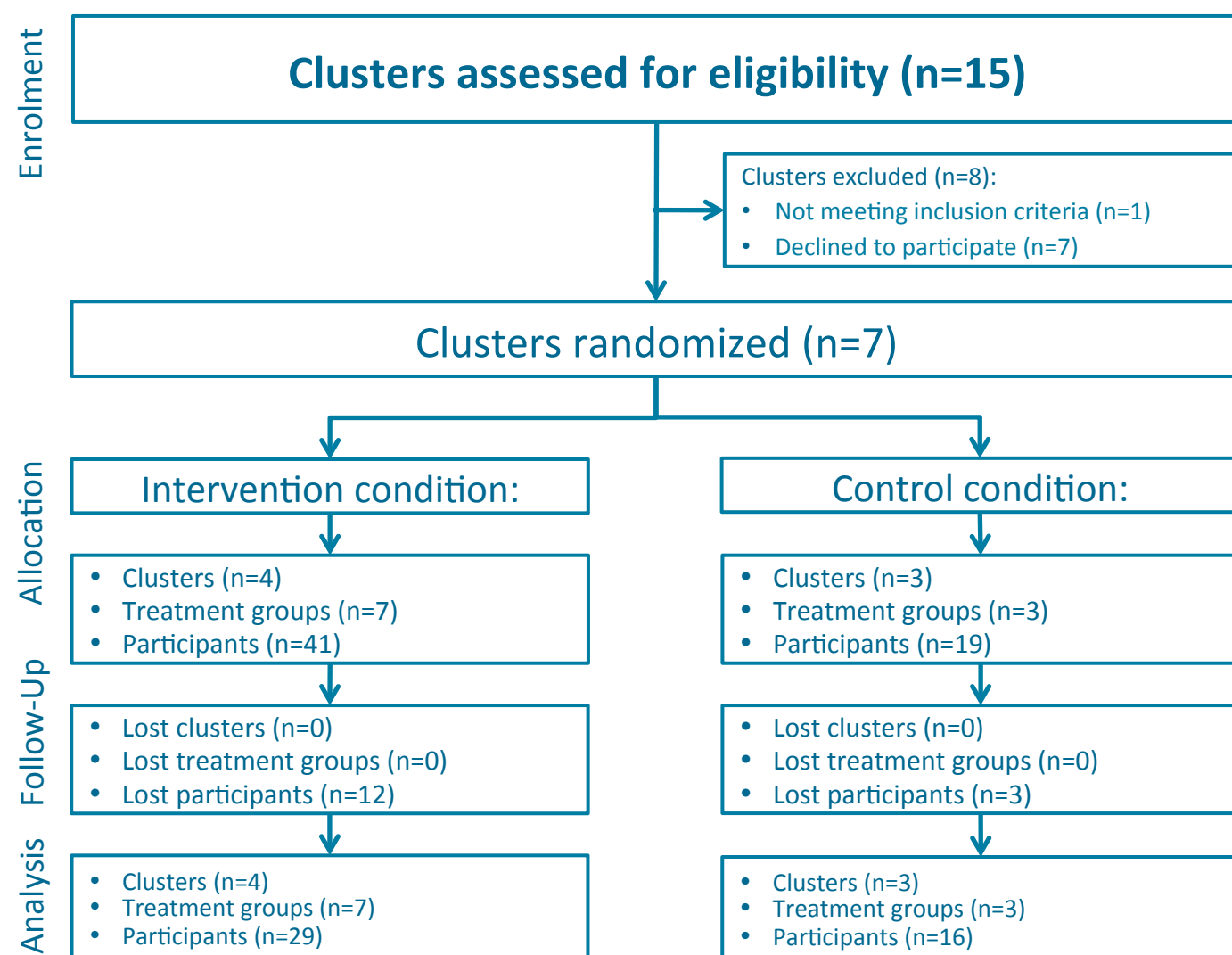
- ◆ Policy: e-health to keep care affordable and accessible¹
- ◆ Focus on self-management and personal recovery for people with severe mental illnesses²
- ◆ An evidence based recovery intervention: The Illness Management and Recovery program (IMR)³
- ◆ Development e-IMR intervention through Intervention Mapping Method⁴
- ◆ Objectives:
 - Exploring potential effectiveness and Effect-size;
 - Identifying outcome measures capturing the consumer's benefit
 - Explore actual use and added value
 - Evaluate continued participation/drop-out



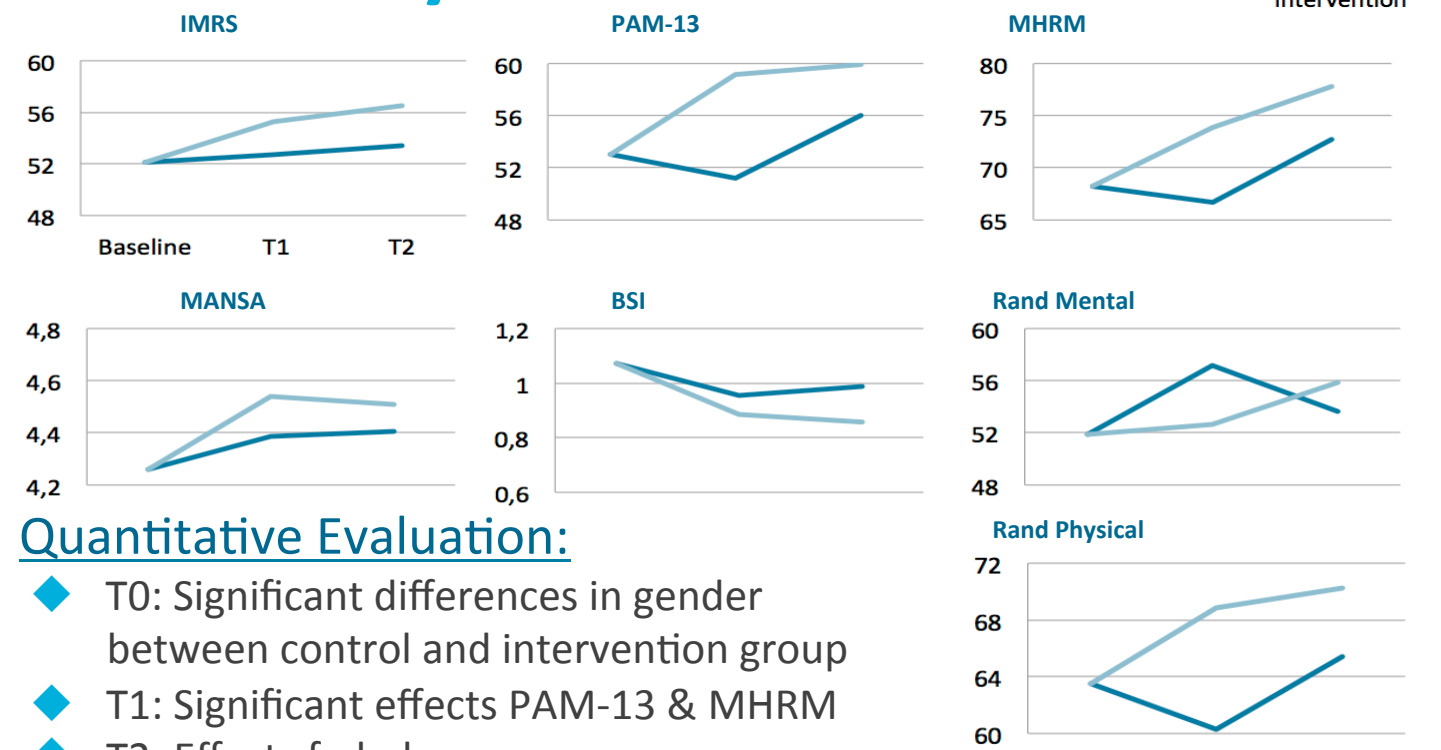
Early (explorative) Cluster RCT

- ◆ Control intervention IMR: 11 modules focus on: developing personalized strategies for managing their illness and move forwards in their lives³;
- ◆ e-IMR intervention: IMR applied with e-health components (video's with peer testimonials, practise home assignments, goal & coping skill follow-up, symptom monitoring)
- ◆ Quantitative data: Base line; T1: after 5th module; T2: after 11th module; Outcome measures: Illness Management (IMRS), Self-management (PAM-13), Recovery (MHRM), Quality of Life (MANSA), Symptoms (BSI), General Health (Rand-36)
- ◆ Qualitative data: interview at T2 with all participants
- ◆ Analyses (Intention to Treat):
 - Mixed Model multilevel regression
 - Qualitative analyses

Flowchart:



Preliminary results



Quantitative Evaluation:

- ◆ T0: Significant differences in gender between control and intervention group
- ◆ T1: Significant effects PAM-13 & MHRM
- ◆ T2: Effects faded
- ◆ No significant interaction on gender

Responsiveness outcome measures:

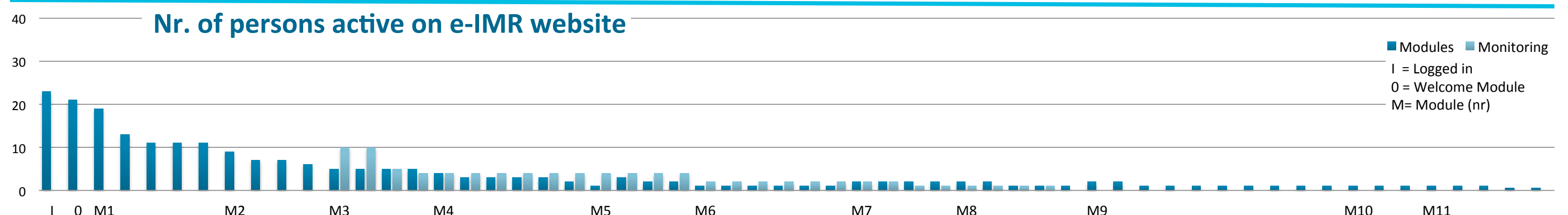
- ◆ All but the Rand outcomes have a $d > 1$ effect-size range of change scores between five groups with 1) large-, 2) little positive, 3) no, 4) little- and 5) large negative change

Qualitative evaluation:

- ◆ Little activity on the e-IMR website;
- ◆ Reasons for not being active on e-IMR:
 - Website and paper workbook is a duplication of effort
 - Not feeling competent: cognitive problems; seeing others struggle with the computer/ internet
 - Preference for: paper workbook, face to face contact with trainers and peers
 - Computer/internet not available
- ◆ Reasons for stopping activity on e-IMR
 - Getting stuck; frustration
 - Too much stress in daily life
 - Lack of incentives
- ◆ Institutional internet safety precautions



Nr. of persons active on e-IMR website



References: 1) Bremmer, F., & van Es, M. (2013). *An analyses of the expected costs and benefits of e-health, blended treatment and care [Dutch]*, Amersfoort. 2) Farkas, M., & Anthony, W. A. (2010). Psychiatric rehabilitation interventions: A review. *International Review of Psychiatry*, 22(2), 114–129. 3) Gingerich, S., & Mueser, K. T. (2011). *Illness Management & Recovery, Personalized Skills and Strategies for Those with Mental Illness, Implementation Guide* (3rd ed.), Dartmouth: Hazelden. 4) Bartholomew LK, Parcel GS, Kok G, Gottlieb NH, Fernández ME (2011) Planning health promotion programs: An intervention mapping approach, USA: Jossey-Bass.