

Swiss Frailty Network *update*

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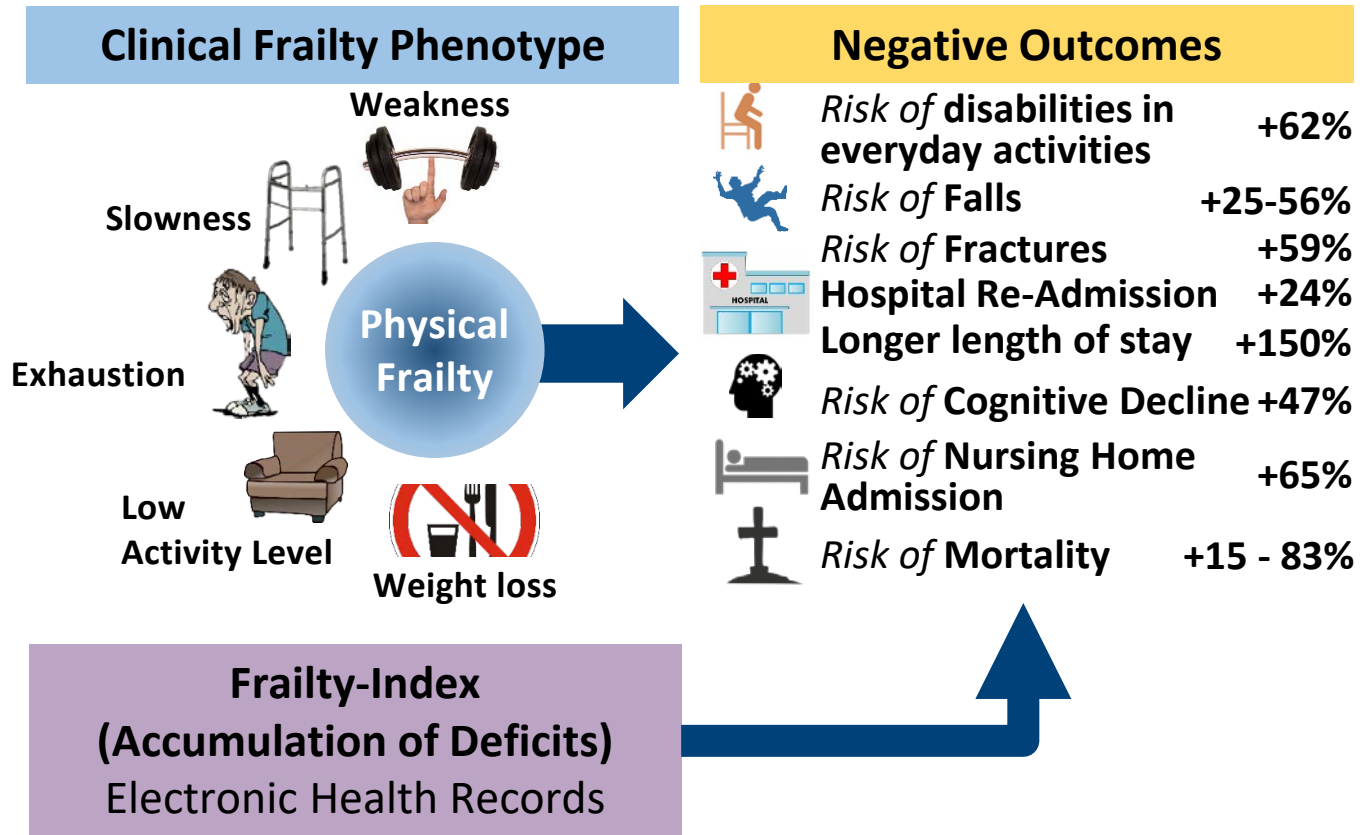
PH Alliance Basel-Zurich 3rd Workshop
Basel, 29 January 2019

What is Frailty?

- ...**medical syndrome** associated with health and aging
- ...**highly prevalent** in European seniors (10-30% in c-d's)
 - **40% being at risk** for the condition
- ...**better predictor** of adverse outcomes than chronological age
- ...**multiple tools** for screening available
- ...**paradigm risk** → preventive strategies



What is Frailty?



Fried LP et al. 2001 ; Ferrucci et al. 2004; Winograd et al. 1991; Fried et al. 2001; Woods et al. 2005; Wallis et al. 2015, Vermeiren et al. 2016, Pelavski et al. 2016

Why is **Frailty** Important?

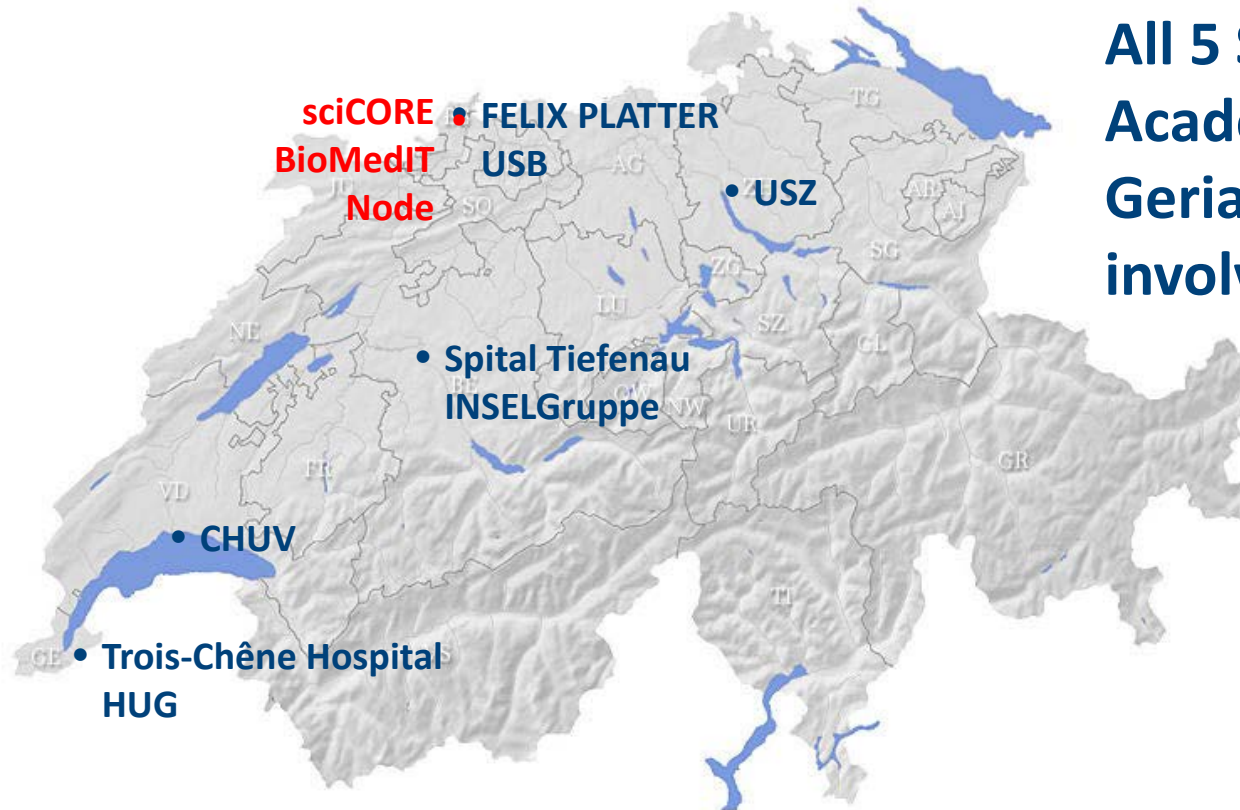
Knowledge Gaps

- **No universal agreement on definition**
- **No standard operationalization in clinics and research**
- **instrument library not standardized**
- Best treatment?
- Best secondary prevention?

Chances

- Improving hospital **outcomes**
- Reducing **costs**
- Improving **Quality of Life**
- Nationwide Swiss **research consensus**
- Prolonging healthy lifespan
- Primary prevention

Partners Network



All 5 Swiss Academic Geriatric Centers involved

The SFNR Governing Board

**Prof. Heike
Bischoff-Ferrari**



 **UniversitätsSpital
Zürich**

**Prof. Christophe
Büla**



 **Centre hospitalier
universitaire vaudoise**

**Prof. Gabriel
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Kressig**



 **felixplatterspital**
Universitäre Altersmedizin und Rehabilitation

**Prof. Andreas
Stuck**



 **SPITALTIEFENAU**
INSELGRUPPE

5 Main Goals

1. **Consensus** on how to assess frailty **clinically** for research- **cFI**
2. **Harmonization** of EHR-derived **electronic frailty index** = **eFI** from real-world patient data
3. **Frailty data hub** from all 5 University Hospitals Centers including both **cFI** and harmonized **eFI** (*all patients age 65+*) at sciCORE
4. **Validation** of **cFI** against the **eFI** within the pooled data (*Validation Study 1*)
5. **Validation** of the predictive ability of the **cFI** and **eFI** against (1) length of stay (2) in-hospital mortality (*Validation Study 2*)

SFNR General Timeline

1 March
2018

29 Jan
2019

1 March
2019

	YEAR 1		YEAR 2		YEAR 3		Teams	
	M1-M6	M7-M12	M13-M18	M19-M24	M25-M30	M31-M36	Geriatrics	IT
WP1	1.1 Overall Coordination						Lead USZ, all	Lead USZ, all
	1.2 SOPs for ELSI-compliant and DCC-interoperable hub						Lead USZ, all	Lead USZ, all
	1.3 Data sharing/ processing plan						Lead USZ, all	Lead USZ, all
WP2	2.1 Clinical frailty consensus	Project plan for Ethical Approval					Lead USZ, all	
	2.2 EHR-index consensus						Lead USZ, all	
	2.3 Testing variables mapping and Data acquisition						All	
WP3		3.1 Modif. CIS for clinical frailty						Lead USZ, all
		3.2 Modif. CIS for EHR eFrailty index						Lead USZ, all
			3.3 Set-up Data hub interface					Lead USZ, all
WP4				4.1 Data hub manual and support				Lead USZ, all
			Data Collection		Clinical validation		USZ	
WP5	5.1 Project communication and dissemination via secure website						Lead USZ, all	USZ
	5.2 Project communication and dissemination via national/international symposia						All	
					5.3 Data sharing beyond duration project		All	All

Present State of our Project - SFNR

Current Status

- Consensus on clinical instrument plus eFI-variables
- eFI codebook / cFI codebook in final development
- Adaptations of IT-architecture/CIS
- Preparation ethical project plan
- SOPs development

Ongoing Challenges

- Multiple Stakeholders
- Three languages (ENG/FRE/GER)
- Definition of variables/coding
- Adaptations of IT-architecture/CIS
- 5 complex IT-environments

Next Steps

- Submission of **Project Plan** to Ethics Committee (asap)
- Finalization of **eFI-codebook** (February)
- Test run of **REDCap database** (March)
- **Staff training** locally (April-May 2019)
- Estimated **start of data collection** 1 June 2019 (M15)

Acknowledgements

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Thank you for your attention.

