EIP-AHA B3 Action Group on Integrated Care

SUNFRAIL

Albert Borschette Conference Centre - European Commission

Emilia Romagna Region Mirca Barbolini - M.L. Moro & SUNFRAIL TEAM

Bruxelles, 5 th. April 2017



Reference Sites Network for Prevention and Care of Frailty and Chronic Conditions in community dwelling persons of EU Countries



The SUNFRAIL Project has received funding from the European Union's Health Programme 2014-2020

SUNFRAIL Project

Promoted by a network of Italian Reference Sites of the European Innovation Partnership on Active and Healthy Ageing (EIP-AHA)

3rd EU Health Programme - WP 2014

• To share experiences, good practices and tools to identify and manage **frailty** and **multimorbidity**

• Italian Ministry of Health: Progetto Mattone Internazionale



The Partnership

| PARTNER | ORGANISATION | ACRONYM |
|---------------|--|---|
| RS LP1 | Regione Emilia-Romagna - Agenzia Sanitaria E Sociale Regionale, Italy | (RER-ASSR) |
| | Aster - Societa Consortile Per Azioni, Italy | (ASTER) |
| RS PP2 | Regione Piemonte, Italy | (RHAP) |
| RS PP3 | Regione Liguria, Italy | (LIGURIA) |
| RS PP4 | Azienda Ospedaliera Universitaria Federico II Campania, Italy | |
| RS PP5 | Centre Hospitalier Universitaire De Toulouse, France | (GERONTOPOLE) |
| RS PP6 | Centre Hospitalier Universitaire Montpellier, France | (CHRU) |
| RS PP7 | Universytet Medyczny W Lodzi, Poland | (LODZ) |
| RS PP8 | Universidad De La Iglesia De Deusto, Spain | (DEUSTO) |
| RS PP9 | Regional Health & Social Care Board Of Northern Ireland, United Kingdom | |
| PP10 | European Regional And Local Health Authorities Asbl, Belgium | (EUREGHA) |
| Collaborating | | the Health Programm of the European Univ |
| FID_AHA Actia | on Groups: A3 B3 | |

•EIP-AHA Action Groups: A3, B3 •International Scientific Research Networks on frailty and disability (IAGG-GARN)

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General Objectives

To improve the identification, prevention and management of frailty and care of multimorbidity in community dwelling persons (over 65) of EU countries

Specific Objectives

- 1. To design an innovative, integrated model for the prevention and management of frailty and care of multimorbidity
- 2. To validate the model: assess existing systems and services targeting frailty and multimorbidity citizen's/patient's needs
- 3. To assess the **potential for the adoption/replication** and **sustainability of the model (tools & good practices)** in different organizational contexts
- 4. To promote the dissemination of the results (decision makers, regional, national, EU level)



Definition of Frailty

Biomedical vs. Bio-Psychosocial Mode

Biomedical

- Biological: Age, sex
- Health-diseases
- Life Styles: physical activity, nutrition...
- Risk Factors: smoke,

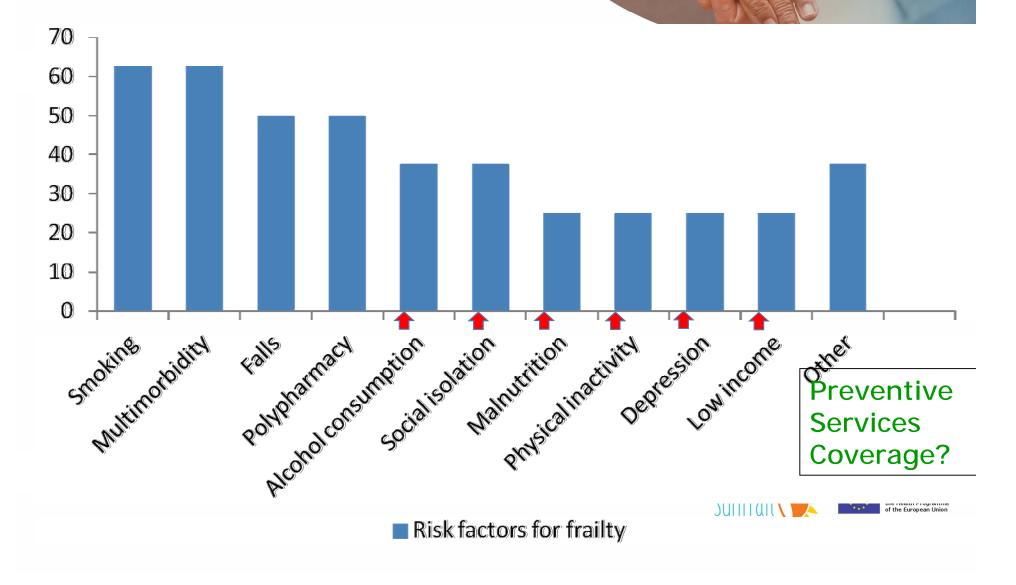
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Psyco-Social

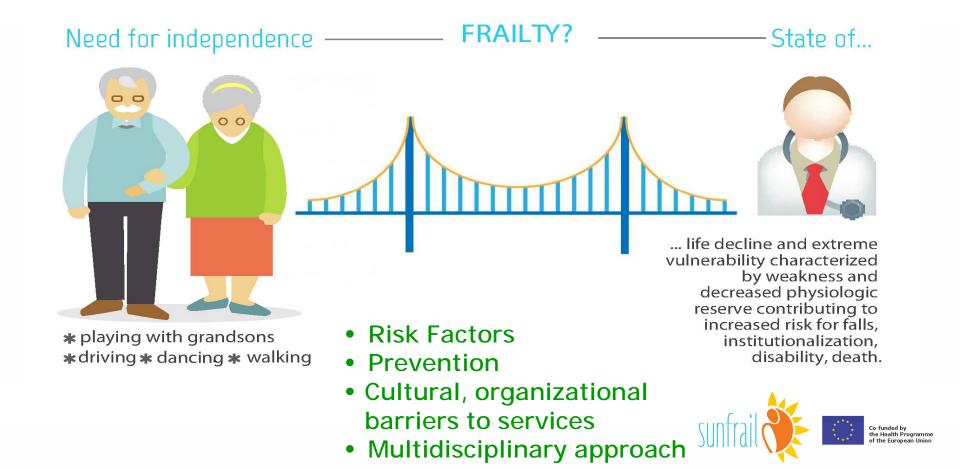
- Well being (physical, psychological)
- Independent living
- Socialization
- **Resources**: health care, social interaction, sport, leisures
 - Early Identification
 - Prevention of Disability



Systematic Assessment of Risk factors for Frailty Sunfrail Reference Sites

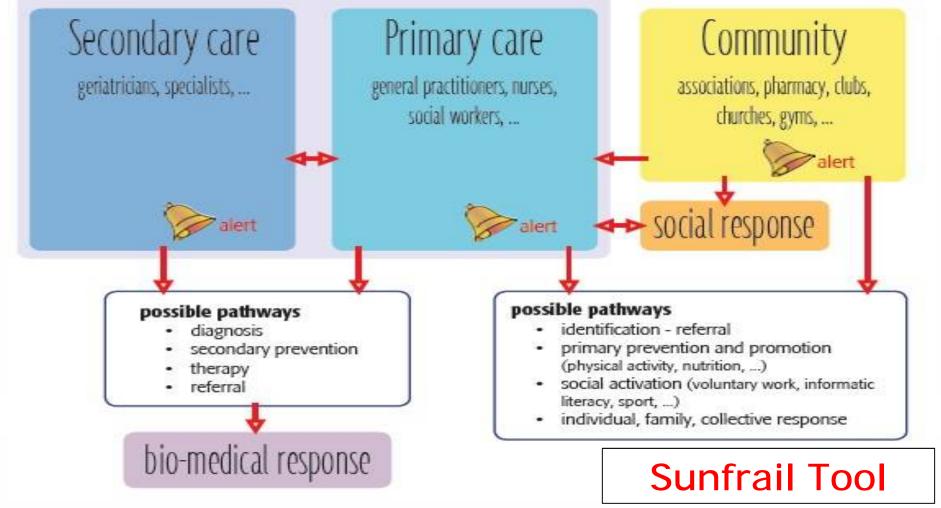


Perception of Frailty and Barriers to Care Bridging the Gap



Sunfrail Pre-Model of Care on Frailty and Multimorbidity

Health and Social Care Services



| Sunfrail Tool | | | | | |
|---|--|-----------------------|-----------|------------|-----------------------|
| QUESTIONNAIRE NUMBER | | | | | |
| Date and | Date and place | | | | |
| | | PROFES | SIONALS | | |
| | | • Nurse • GPs • | Other Pro | fessionals | |
| Professio | nal | Social Worker • (| Community | Actor • C | Caregiver |
| | | BENEF | ICIARIES | | |
| Gender | Age | | | Level of e | ducation |
| | | | | • Low (W | ithout studies, |
| • M | • 65-74 | | | Primary S | chool) |
| | | | | • Medium | (Secondary school, |
| • F | • 75-85 | | | or vocatic | onal degree) |
| | | | | • High (U | niversity, Master or |
| | | | PhD degre | ee) | |
| | | Questions | | | |
| - | | rly take 5 or more | | | |
| | ations per | 5 | | • Yes | • No |
| | | ently lost weight su | ch that | | |
| your c | lothing has | s become looser? | | • Yes | • No |
| 3. Your physical state made you walking less | | • Yes | • No | | |
| during the last year?4. Have you been evaluated by your GP | | IL GP | - 163 | | |
| during the last year? | | • Yes | • No | | |
| 5. Have you fallen 1 or more times during | | | | | |
| the last year? | | • Yes | • No | | |
| 6. Hav | 6. Have you experienced memory decline | | | | |
| during the last year? | | • Yes | • No | | |
| 7. Do you feel lonely most of the time? | | • Yes | • No | | |
| 8. In case of need, can you count on | | | | | |
| someone close to you? | | • Yes | | | |
| | 5 | any financial difficu | | J | of the European Union |
| facing dental care and health care costs• Yes• No | | | | | |
| uuring | the last y | | | • Yes | • No |

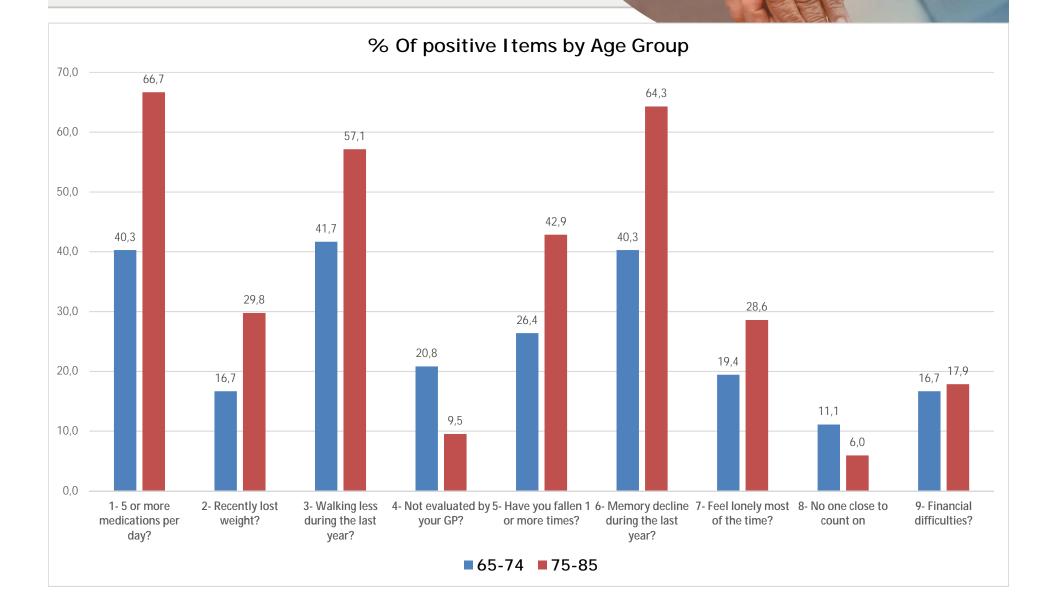
Sunfrail Tool - Preliminary Results

| | N. Interviews | % |
|----------------------------------|---------------|---|
| Study population | 156 | |
| Site | | |
| Northern Ireland | 18 | 11,5 |
| Poland – •ód• | 84 | 53,8 |
| University of Naples Federico II | 54 | 34,6 |
| Gender | | |
| Male | 43 | 27,6 |
| Female | 113 | 72,4 |
| Age class | | - |
| 65-74 | 72 | 46,2 |
| 75-85 | 84 | 53,8 |
| Interviewer | | |
| Nurse | 9 | 5,8 |
| GP | 0 | 0,0 |
| Social worker | 0 | 0,0 |
| Caregiver | | 0,0 |
| Community actor | | Co-funde aby 2 the Health Programme of the European Union |
| Other professionals | 94 | 60,3 |
| Missing | 1 | 0,6 |

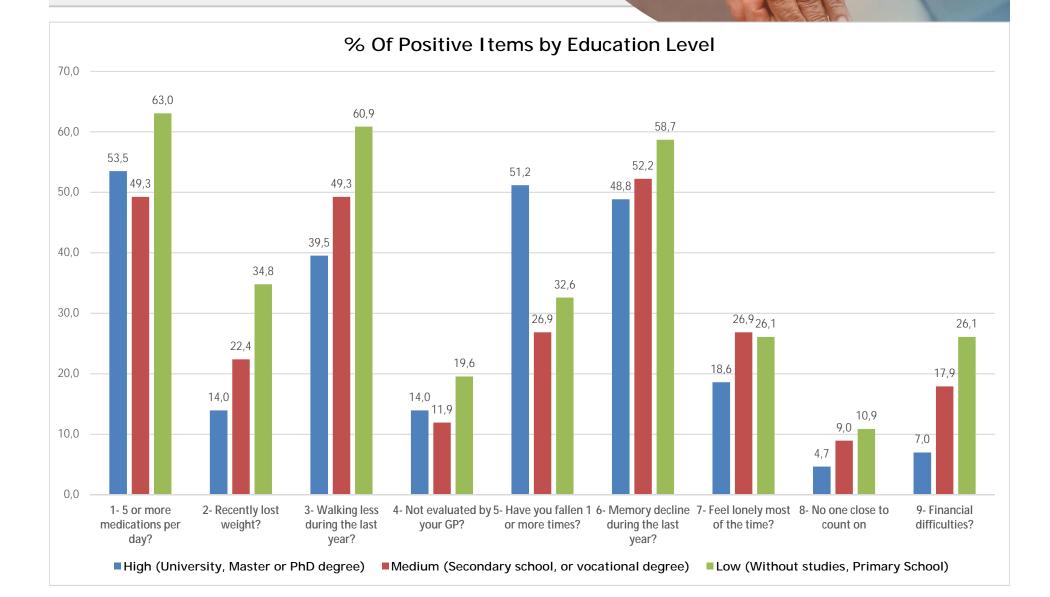
Preliminary Results

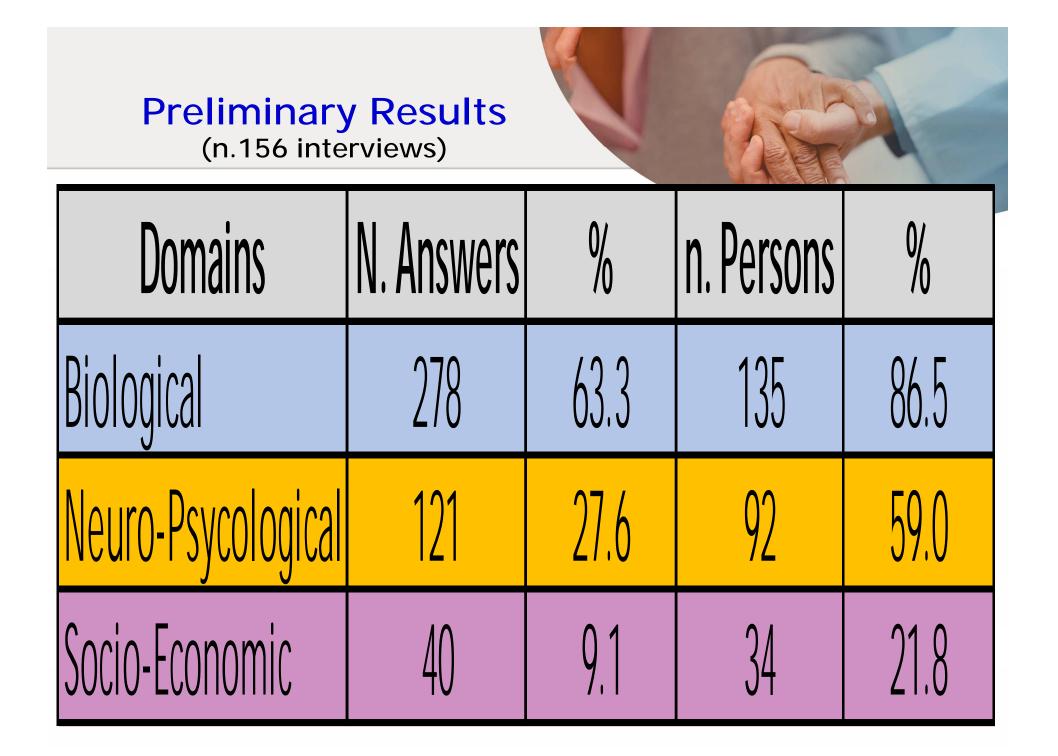
| Questions | Total Answers | % Positive |
|--|---------------|--------------------------------------|
| | | Answers |
| | | (n.156) |
| 1- Do you regularly take 5 or more medications per day? | 61 | 39,1 |
| 2- Have you recently lost weight such that your clothing has become looser? | 24 | 15,4 |
| 3- Your physical state made you walking less during the last year? | 53 | 34,0 |
| 4- Have you been evaluated by your GP during the last year? (NO) | 15 | 9,6 |
| 5- Have you fallen 1 or more times during the last year? | 42 | 26,9 |
| 6- Have you experienced memory decline during the last year? | 59 | 37,8 |
| 7- Do you feel lonely most of the time? | 28 | 17,9 |
| 8- In case of need, can you count on someone close to you? (NO) | nil 🌺 📖 | 50-funded by the Health Programme |
| 9- Have you had any financial difficulties in facing dental care and health care costs during the last year? | 20 | of the European Union |

Preliminary Results



Preliminary Results





| oositivity to Sunfrai | ences in cognitive and questionnaire | | Mag | |
|----------------------------|---|----------|---------|---|
| | • | MMSE | (SD) | p* |
| Memory decline : | YES (n=144) | 20.3 | 6.6 | |
| • | NO (n=57) | 23.9 | 4.6 | |
| | | | | <0.001 |
| | | 4-m WS | (SD) | p * |
| Falls during last year: | YES (n= 96) | 0.41 | 0.35 | |
| | NO (n=104) | 0.73 | 0.37 | |
| | | | | <0.0001 |
| | | Handgrip | (SD) | p * |
| Falls during last year: | YES (n= 94) | 17.41 | 8.59 | |
| | NO (n=105) | 21.63 | 9.61 | |
| | | | | 0.004 |
| | | 4-m WS | (DS) | p * |
| Walking less because of yo | ur physical | | | |
| Staus: | YES (n=151) | 0.48 | 0.37 | |
| | NO (n=49) | 0.89 | 0.26 | |
| | | sunfr | ail 🍋 🛽 | Co-funded by the Health Programm of the European Unio |

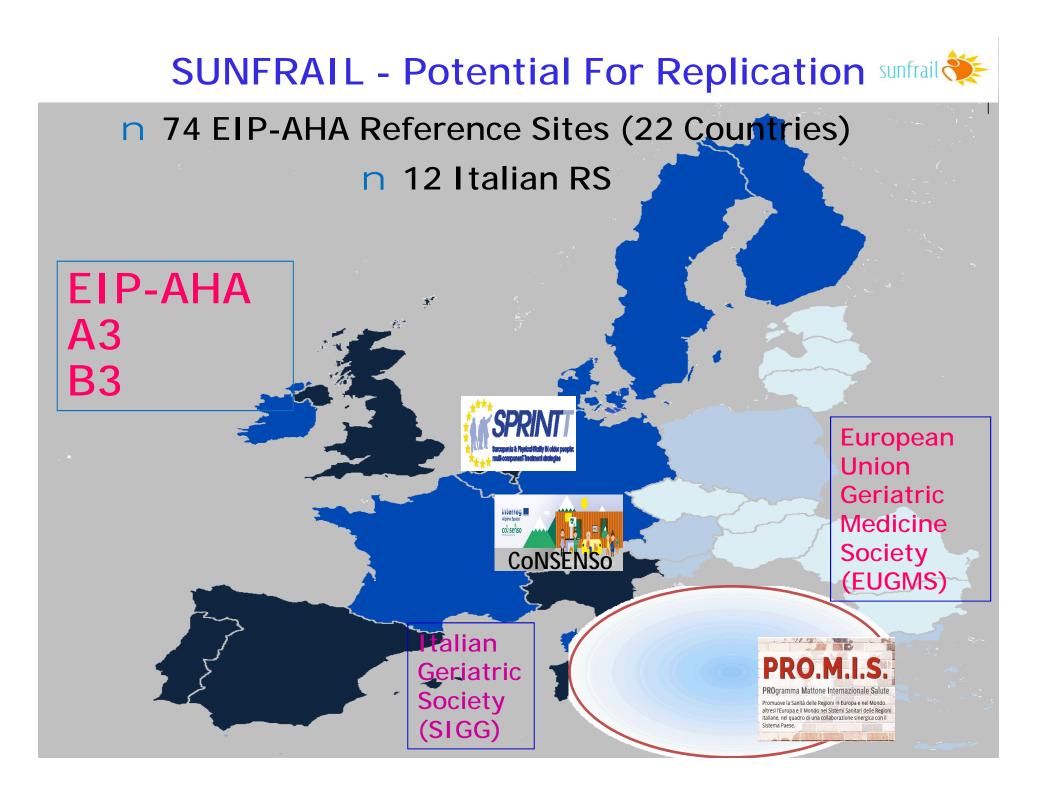
*Adjusted for age and sex



A Regional predictive model to identify patients at high risk of hospitalization and Frailty

Regional Health/Administrative data













Potential For Replication: JOINT ACTION ON FRAILTY-ADAVANTAG

General Aim

To build a **common understanding on frailty** to be used in the **Member States** by policy makers and other stakeholders involved in the management, both at individual and population level, of older people who are frail or at risk for developing frailty along the European Union (EU)...

Participation of Italian Regions – Pro.M.I.S (Mattone Internazionale) WP2 (Dissemination) (R. Marche-Leader)

- Disseminate the outcomes of the JA at local, national and EU level (EIP-AHA, Reference Site Collaborative Network - RSCN, others)
- Participate to specific WPs



Shared objectives with Sunfrail Project!!





Thank you for your attention!



www.sunfrail.eu

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Co-funded by the Health Programme of the European Union

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