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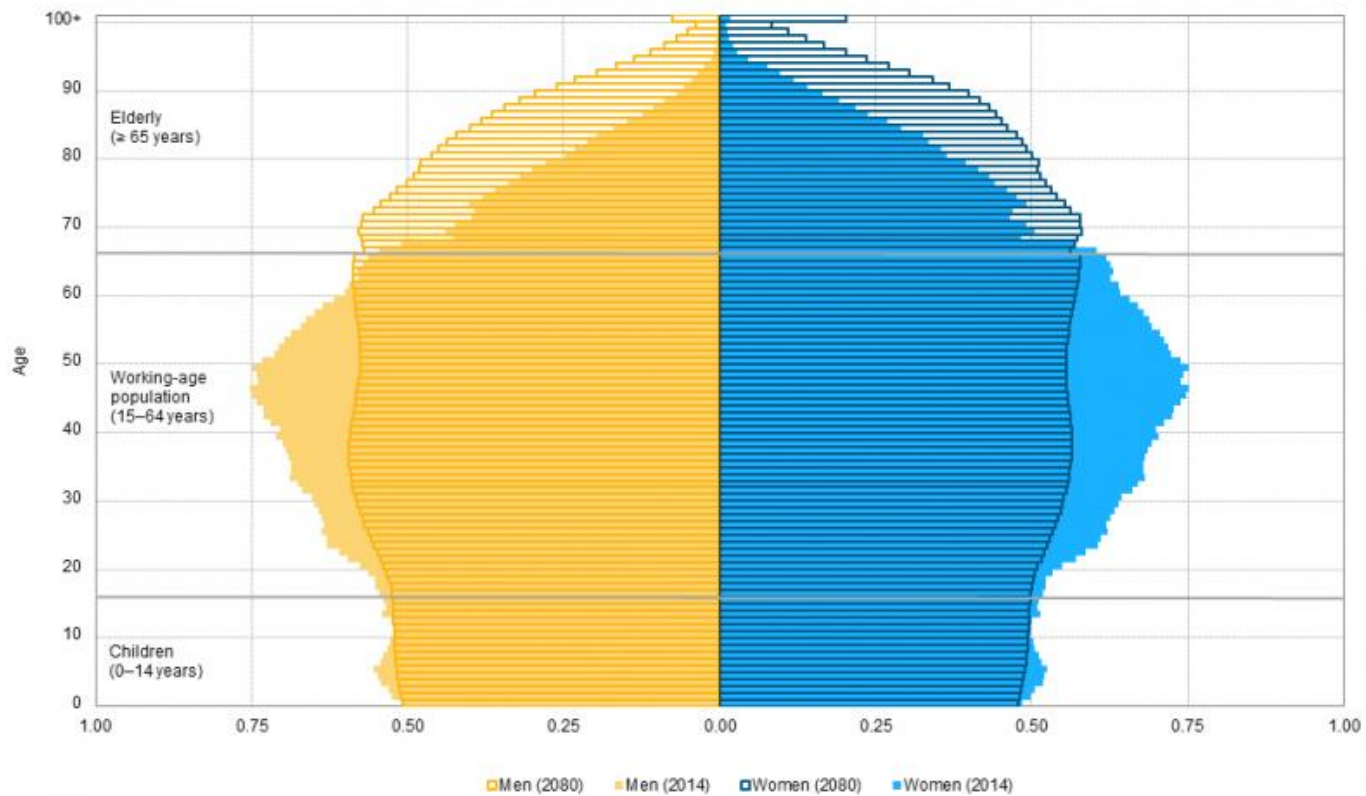
Jožef Stefan International Postgraduate School
and Young Researchers' Day CMBO

19 and 20 April

Fall detection watch for independent living of the elderly

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Poster number: 40

Motivation



Source: Eurostat (online data codes: demo_pjan and proj_13npms)

Solution

- Smart Watch
 - Automatic fall detection
 - Activity analysis
 - Location reporting
 - Reminders



Pilot testing

- 150 users (2x 75)
- 3 months per user
- Age 65+
- Preliminary results:



Total events detected	4116	
Alarms (fall)	694	17%
Manual alarms	672	17%
No movement	445	10%
Watch not worn	2305	56%

Active users in last 30 days	Total users
47	72
65%	3 users changed their mind