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Title: Extended, continuous measures of functional status in community dwelling persons with Alzheimer's and related dementia: Infrastructure, performance, tradeoffs, preliminary data, and promise

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Extended, continuous measures of functional status in community dwelling persons with Alzheimer's and related dementia: infrastructure, performance, tradeoffs, preliminary data, and promise

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Highlights for Reviewers

- We describe the development of a mobile health platform designed for daily measures of functional status in ambulatory, community dwelling subjects, including those who have Alzheimer's disease or related neurodegenerative disorders.
- We use Smartwatches and Smartphones to measure subject overall activity and outdoor location (to derive their lifespan).
- These clinically-relevant measures track a subject's functional status.
- Functional status metrics are integrated with medical information and caregiver reports, which are used by a caregiving team to guide referrals for physician/APRN/NP care.

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