

Ontology of **step count**



CORE MEASURES *of*
PHYSICAL ACTIVITY



Digital Measures Development

Access more resources: [DATAcc's Core Measures of Physical Activity](#)

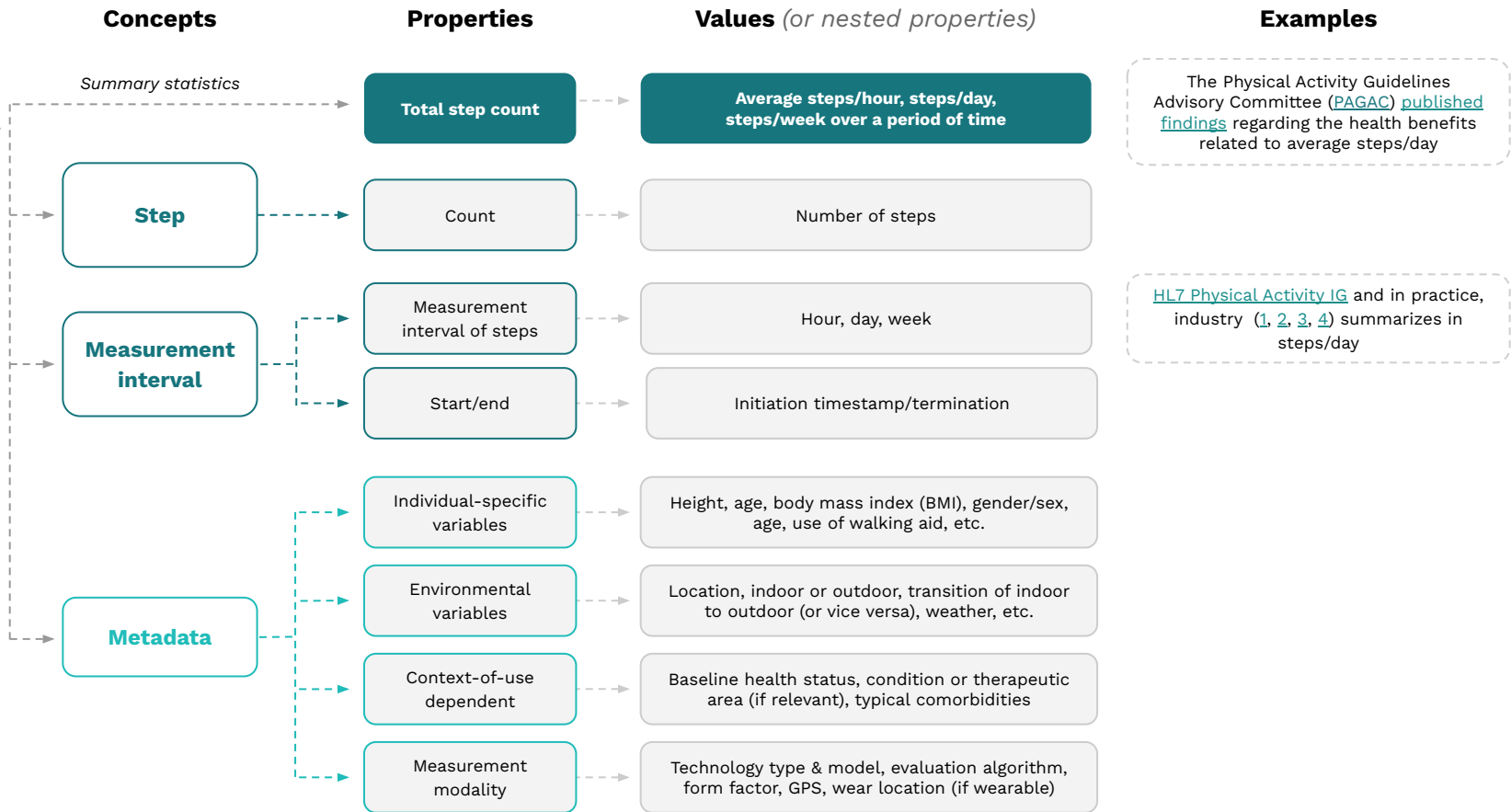
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Step count



Definition

The number of steps (with [steps](#) defined as the “initial contacts of the ipsi- and contralateral foot and corresponding to the displacement of the foot together with a displacement of the trunk”) taken during a defined interval



Step count



Measure considerations (assumptions & limitations):

- Context is key; step count can be influenced by factors such as patient gait patterns, use of walking aids, cadence, walking speed, variability of stride length, etc.
- Wear locations for wearables can drive the biggest differences in measurement (where standing would be represented as the initial movement) and step count [prediction algorithms](#).
- If a patient uses a walker or cane, but their condition improves and the walking aid is no longer needed, further analysis may be required to account for this change.