

Scope of Continua Devices

The Continua Design Guidelines (CDG) facilitate the connection of devices for *Personal Connected Health* deployments. Relevant “devices” in this context are fully characterized by the following set of criteria:

1. They can be used meaningfully and safely by an individual without direct clinical supervision to collect diagnostic information and support the provision of therapeutic and/or other forms of health management.
2. Their intended deployment includes device use not subject to direct control by hospitals or clinics, such as at home, at work or on the move.
3. They are capable of at least one of the following:
 - a. Capturing and communicating data that is valuable input for substantive clinical decision making by the individual or clinician;
 - b. Providing some form of therapy delivery, the performance of which can be managed remotely;
 - c. Supporting the management, improvement and ease of a care management or care provision process; the performance management or delivery of which can be done remotely.

The CDG’s also facilitate the connection of devices for *Social Care* deployments. Social Care is the provision of social work, personal care, protection or social support services to individuals in need or at risk, or with needs arising from illness, disability, old age or poverty. Relevant “devices” in this context are characterized by a set of criteria similar to the above, replacing health management by social care and adjusting for the implied changes.

Examples of devices

Measuring Vital Signs: Blood Pressure Meter, Physical Activity Monitor, Weight Scale, Blood Glucose Meter, SpO2, ...

Delivering Care and Measurement: CPAP, ventilator, pacemaker, artificial pancreas, connected nebulizer, ...

Managing Care Delivery and Capturing Inputs: Pill dispenser; tablet with chat or tele-visit option to clinician, with questionnaires or care coordination support, with tailored video instructions, ...

Capturing Social Care Inputs: Alarm button, fall detector, location device plus wandering detection, presence detectors, movement detectors, open/closed detectors on doors, windows, ovens and fridges, flame detectors, detectors for controls of home appliances and lights, ...

Delivering Social Care: Tablet or robot with social chat and engagement facilities, intelligent stairway elevator, groceries e-shopping assistant, automated meal cooker, ...