VALIDATED DEVICES FOR BLOOD PRESSURE MEASUREMENT IN CHILDREN

List generated from www.stridebp.org on the 17 Jun 2024

Validated devices: have passed established validation procedures that have been checked and approved by the STRIDE BP Scientific Advisory Board.

Preferred devices: are upper-arm cuff devices with at least one STRIDE BP approved validation study, which was published within the last 10 years and used a recent protocol (AAMI/ESH/ISO Universal Standard (ISO 81060-2:2018); ANSI/AAMI/ISO 2013 or 2009; ESH-IP 2010). Preferred devices for home use should also allow automated storage of multiple readings, or mobile phone, PC or internet link connectivity enabling data transfer.

* Equivalent or Identical devices: Equivalent devices have not been validated but evidence has been provided and approved by the STRIDE BP Scientific Advisory Board showing that they are equivalent to a device that has fulfilled the criteria for validated devices (see above). Identical devices have no difference from a STRIDE BP approved device, apart from model name change.

Devices for Office / Clinic blood pressure measurement

Validated upper-arm devices available on the market (10)

- A&D UM-212BLE
- Microlife WatchBP Office
- Microlife WatchBP Office (BP3SK1-3B) *
- Microlife WatchBP Office ABI
- Microlife WatchBP Office AFIB *
- Midmark IQvitals Zone
- Omron HBP-1320
- Raycome RBP-1200
- Welch Allyn ProBP 2000
- YuWell YE900

Validated upper-arm devices not available on the market (4)

- BpTRU BPM-100
- Microlife WatchBP Office Central *
- Omron HBP-1300
- Omron M3500

Devices for Home blood pressure monitoring

Validated upper-arm devices not available on the market (3)

- A&D UA-778
- Omron 705IT (HEM-759-E)
- Omron HEM-7080IC *

Devices for Ambulatory blood pressure monitoring

Validated upper-arm devices available on the market (2)

- Custo Med custo screen pediatric
- Tiba Medical Ambulo 2400
Validated upper-arm devices not available on the market (1)

A&D TM-2430