**Table S1**
**Characteristics of activity monitors and pedometers which assessed physical activity in CF**

| Activity monitors | Characteristics |
|---|---|
| **SenseWear\***<br><br>Burtin 2013<br>Savi 2013<br>Ward 2013<br>Wieboldt 2012<br>Garcia 2011<br>Dwyer 2009<br>Troosters 2009<br>[A:1-7] | **Device Type:** tri-axial accelerometer with skin temperature, heat flux & galvanic skin response sensors<br>**Output/units:**<br><u>energy expenditure</u> – yes (Kcal/min; METs)<br><u>step counts</u> – yes<br><u>time spent in different intensities</u> – yes (physical activity levels and duration)<br><u>sedentary</u> – yes<br><u>other</u> – yes (sleep duration and efficiency; lying down time; on/off body time)<br>**Data storage:** 28 days |
| **ActiGraph\***<br>**GT3X+**<br><br>Groeneveld 2012<br>Ruf 2012<br>Hebestreit 2010<br>Wells 2008<br>Hebestreit 2006<br>Selvadurai 2004<br>[A:8-13] | **Device type:** tri-axial<br>**Output/units:**<br><u>energy expenditure</u> – yes (Kcal; METs);<br><u>step counts</u> – yes<br><u>time spent in different intensities</u> – yes (amount (mins or hrs) and intensity of activity levels)<br><u>sedentary</u> – yes<br><u>other</u> – yes (vector magnitude units, inclinometer, light)<br>**Data storage:** 40 days (raw data at 30 Hz) |
| **RT3\***<br><br>Kilbride 2012<br>Beghin 2009<br>Beghin 2005<br>[A:14-16] | **Device type:** tri-axial<br>**Output/units:**<br><u>energy expenditure</u> – yes (Kcal; METs)<br><u>step counts</u> – n/a<br><u>time spent in different intensities</u> – yes:<br><u>other</u> – yes (activity counts (vector data, arbitrary units of measurement))<br>**Data storage** 21 days |

| | |
|---|---|
| **Caltrac**<br><br>Orenstein 1993<br>[A:17] | **Device type:** uniaxial<br>**Output/units:**<br><u>energy expenditure</u> – yes (Kcal; tracks total calorie burned)<br><u>step counts</u> – n/a<br><u>time spent in different intensities</u> – n/a<br><u>sedentary</u>- n/a<br><u>other</u> – yes (activity counts)<br>**Data storage:** No |
| **Large Scale Integrated (LSI) motor activity monitor**<br><br>Orenstein 1993<br>[A:17] | **Device type:** uniaxial<br>**Output/units:**<br><u>energy expenditure</u> – yes (Kcal)<br><u>step counts</u> – n/a<br><u>time spent in different intensities</u> – n/a<br><u>sedentary</u> – n/a<br><u>other</u> – yes (activity counts)<br>**Data storage:** n/a |
| **e-AR**<br><br>Wieboldt 2012<br>[A:4] | **Device type:** triaxial<br>**Output/units:**<br><u>energy expenditure</u> – yes<br><u>step counts</u> – n/a<br><u>time spent in different intensities</u> – n/a<br><u>sedentary</u> – n/a<br><u>other</u> – yes (activity counts, activity index)<br>**Data storage:** No |
| **Pedometers** | |
| **DigiWalker SW 401**<br><br>Quon 2012 | **Device type:** tracks steps and multiplies them by your stride length to calculate the number of miles you travelled<br>**Output/units:**<br><u>energy expenditure</u> – no<br><u>step counts</u> – yes |

| [A:18] | time spent in different intensities – no<br>sedentary – no<br>other – distance<br>**Data storage:** 7 days |
| --- | --- |

Abbreviations: hr=hours; Kcal=kilocalories MET=metabolic equivalent; min=minute; n/a=information not available

**\*Note 1: In some studies, the monitor details were not accessible or were out of date so only the more up-to-date version and up-to-date output is summarised. In some studies, the monitor details were not accessible.**

**Note 2: All references are listed in the online supplementary material reference list**