Table S6
Responsiveness of data obtained by objective physical activity monitors

| Participants N and subject type | Intervention | Instrument Parameter (units) | Result | Did other endpoints detect difference? | Statistic | Author |
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| Exercise and Physical Activity Interventions |  |  |  |  |  |  |
| 38 children, adolescents and adults | Partially supervised activity program (baseline to $3-6 \mathrm{mo}$ ) | ActiGraph <br> Time spent in vigorous PA (hr/week) | $\mathrm{p}=\mathrm{NS}$ | Yes | ANOVA | $\begin{aligned} & \text { Hebestreit } 2010 \\ & {[\mathrm{~A}: 10]} \end{aligned}$ |
|  | Partially supervised activity program (baseline to 12mo) | ActiGraph <br> Time spent in vigorous PA (hr/week) | $\mathrm{p}=\mathrm{NS}$ | Yes |  |  |
|  | Partially supervised activity program (baseline to $18-24 \mathrm{mo}$ ) | ActiGraph <br> Time spent in vigorous PA (hr/week) | $\mathrm{p}=0.047$ | Yes |  |  |
| Other interventions (e.g. IV antibiotics) |  |  |  |  |  |  |
| 19 adults with CF | During IVAB to 40day follow-up | SenseWear (steps/d) | $\mathrm{P}<0.05$ | Yes | ANOVA | $\begin{aligned} & \text { Burtin } 2013 \\ & {[\mathrm{~A}: 1]} \end{aligned}$ |
|  |  | SenseWear <br> Time spent in physical activity >4.8 METS (mins) | $\mathrm{P}<0.05$ | Yes |  |  |
| 22 adults | During IVAB to 1 mo follow-up | SenseWear <br> Time spent in physical activity <3 METS (mins) | p<0.001 | Yes | Paired t-test | $\begin{aligned} & \text { Ward } 2013 \\ & {[A: 3]} \end{aligned}$ |
|  |  | SenseWear <br> Time spent in physical activity $\geq 3$ METS (mins) | $\mathrm{p}<0.001$ | Yes |  |  |
|  |  | SenseWear <br> Time spent in physical activity 3-6 METS ACSM Moderate (mins) | p<0.001 | Yes |  |  |
|  |  | SenseWear <br> Time spent in physical activity 6-9 METS ACSM Vigorous (mins) | p<0.001 | Yes |  |  |
|  |  | SenseWear <br> Time spent in physical activity >9 METS ACSM Very vigorous (mins) | $\mathrm{P}=\mathrm{NS}$ | Yes |  |  |
|  |  | SenseWear Time spent in physical activity 3-4.8 METS | p<0.001 | Yes |  |  |


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Abbreviations: ACSM=American College of Sports Medicine; ANOVA=analysis of variance; d=day; h=hour; IVAB=intravenous antibiotics; kcal=kilocalories; kJ=kilojoules;
METS=metabolic equivalents; min=minute; mins=minutes; mo=month; MWUT=Mann-Whitney U Test; N=number; NS=not significant

