Paradata variable	Definition	Total from all sites % if applicable (denominator indicated)	Mean ± SD (range) across sites % range if applicable
Participants consented	Unique participant ID numbers representing number of participants enrolled	7806	650.5 ± 131.1 (541-991)
Status	Dropped/withdrawn/ineligible	434 5.6% (relative to participants consented)	36.2 ± 26.4 (7 − 78) 1.3 − 11.8%
Reasons for dropped/withdrawn/ineligible	Different reasons for ineligibility	338 Age ineligible 54 Absent on day of measurement 37 Decided not to participate 5 Moved	28.2 ± 24.6 (1 − 71) 4.5 ± 7.0 (0 − 21) 3.1 ± 4.3 (0 − 11) 0.4 ± 0.7 (0 − 2)
Eligible participants	9-11 years of age and not otherwise dropped/withdrawn/ineligible	7372 94.4% (relative to participants consented)	614.3 ± 119.1 (525 − 919) 88.2 − 98.7%
Accelerometers used	Unique accelerometer ID numbers representing number of instruments used during the study	926	77.2 ± 13.6 (69 − 118)
Accelerometer capacity	Mean number of participants assessed per accelerometer	N/A	8.0* (5.6 − 13.6)

Accelerometers distributed	Accelerometers distributed to participants	Initial monitoring: 7314 99.2% (relative to eligible participants)	$609.5 \pm 119.8 \ (525 - 914)$ $93.2 - 100.0\%$
		Additional monitoring: 106 1.4% (relative to accelerometers distributed for initial monitoring)	$8.8 \pm 10.2 \ (0 - 26)$ $0 - 4.5\%$
Accelerometers retrieved	Accelerometers retrieved from participants	Initial monitoring: 7285 99.6% (relative to accelerometers distributed for initial monitoring)	$607.1 \pm 119.8 \ (524 - 914)$ $97.1 - 100.0\%$
		Additional monitoring: 106 100.0% (relative to accelerometers distributed for additional monitoring)	100.0% at all sites doing any additional monitoring
Accelerometers lost	Accelerometers not returned by participant	29 0.4% (relative to accelerometers distributed for initial and additional monitoring)	$2.4 \pm 5.3 \ (0 - 19)$ $0 - 2.9\%$
		3.1% (relative to accelerometers used)	$0 - 16.1\%$

Participants with reported adequate data	Participants with reported adequate data (at least 4 days of data with ≥ 10 hours of wear time, including 1 weekend day) as evaluated by ActiLife software	Initial monitoring: 6914 94.5% (relative to accelerometers distributed for initial monitoring)	576.2 ± 113.9 (494 – 884) 83.2 – 98.6%
		Additional monitoring: 92 86.8% (relative to accelerometers distributed for additional monitoring)	11.5 ± 9.0 (1 – 25) 50.0 – 100.0%
Participants with reported inadequate data	Participants with reported inadequate data (< 4 days of data with ≥ 10 hours of wear time and/or lacking a weekend day with ≥ 10 hours of wear time) as evaluated by ActiLife software	Initial monitoring: 400 5.5% (relative to accelerometers distributed for initial monitoring)	33.3 ± 28.0 (8 – 109) 1.4 – 16.8%
		Additional monitoring: 14 13.2% (relative to accelerometers distributed for additional monitoring)	1.8 ± 2.6 (0 – 8) 0 – 50.0%
Reasons for inadequate data	Reported reasons why adequate data is not present	Initial monitoring: 329 Insufficient wear time 29 Accelerometer lost 24 Accelerometer malfunction 1 Refused to wear accelerometer 17 Other	27.4 ± 23.3 (5 – 86) 2.4 ± 5.3 (0 – 19) 2.0 ± 2.0 (0 – 6) 0.1 ± 0.3 (0 – 1) 1.4 ± 4.1 (0 – 14)
		Additional monitoring: 13 Insufficient wear time 1 Accelerometer malfunction	1.6 ± 2.3 (0 – 7) 0.1 ± 0.4 (0 – 1)
Participants with objectively determined valid waking wear time	After accounting for total sleep episode time and waking wear time, participants with ≥4 days with ≥ 10 hours of waking wear time, including 1 weekend day	6553 90.0% (relative to participants who completed monitoring)	546.1 ± 113.5 (468 – 857) 75.8 – 94.6%

Valid days	Mean number of days with ≥ 10 hours of waking wear time from participants with valid waking wear time	N/A	$6.5 \pm 0.7 (5.8 - 6.9)$ 92.9 % (82.6-98.0%) relative to 7 possible days
24-hr wear time	Mean minutes of wear time over 24-hr period per valid day for participants with objectively determined valid waking wear time	N/A	$1366.8 \pm 106.6 (1315.3 - 1386.5)$
Waking wear	Mean minutes of wear time considering only waking hours per valid day for participants with objectively determined valid waking wear time	N/A	$888.4 \pm 52.6 (844.7 - 910.1)$
Participants with objectively determined valid total sleep episode time	After accounting for total sleep episode time, participants with ≥ 3 nights with ≥ 160 mins of total sleep episode time, including one weekend night	6318 86.7% (relative to participants who completed monitoring)	$526.5 \pm 114.8 (425 - 843)$ $76.1 - 92.2\%$
Valid nights	Mean number of nights with ≥ 160 mins of total sleep episode time from participants with valid total sleep episode time	N/A	$5.5 \pm 0.8 (4.8 - 5.8)$
Total sleep episode time	Mean total minutes from all nocturnal sleep episodes identified by applied algorithm[3]	N/A	$529.0 \pm 53.7 (496.2 - 569.4)$
Implausibly high activity count values	Minutes and unique participants with values $\geq 20,000$ activity counts/minute	4762 minutes from 695 unique participants	396.8 ± 505.6 minutes $(16 - 1427)$ from 57.9 ± 45.0 unique participants $(12 - 144)$

* Calculated value, no SD