## Supplementary Material

Supplementary Table S1: Complete search strategy in the electronic database PubMed structured according to the PICO (Population Intervention Comparison Outcome) method

| Search | PICO | Query |
| :--- | :--- | :--- |
| 1 | P | Search (((((()((((("Stroke" [MeSH]) OR "Stroke") OR "Strokes") OR "Post-Stroke") OR "Poststroke") OR <br>  <br> "Cerebrovascular Accident") OR "Cerebrovascular Accidents") OR "CVA") OR "CVAs") OR |
| "Apoplexy") OR "Brain Vascular Accident") OR "Brain Vascular Accidents") |  |  |

[^0]
## Supplementary Table S2: Complete search strategy in the electronic database Web of Science

 structured according to the PICO (Population Intervention Comparison Outcome) method| Search | PICO | Query |
| :---: | :---: | :---: |
| 1 | P | TOPIC: (Stroke) OR TOPIC: (Strokes) OR TOPIC: (Post-Stroke) OR TOPIC: (Poststroke) OR TOPIC: (Post stroke) OR TOPIC: (Subacute stroke) OR TOPIC: (Subacute strokes) OR TOPIC: (Cerebrovascular Accident) OR TOPIC: (Cerebrovascular Accidents) OR TOPIC: (CVA) OR TOPIC: (CVAs) OR TOPIC: (Apoplexy) OR TOPIC: (Brain Vascular Accident) OR TOPIC: (Brain Vascular Accidents) |
| 2 | I | TOPIC: (Gait) OR TOPIC: (Walking) OR TOPIC: (Walk) OR TOPIC: (Ambulation) OR TOPIC: (Ambulate) OR TOPIC: (Locomotion) OR TOPIC: (Stepping) OR TOPIC: (Step) OR TOPIC: (March) |
| 3 | O | TOPIC: (Oxygen consumption) OR TOPIC: (Oxygen cost) OR TOPIC: (Oxygen demand) OR TOPIC: (Oxygen expenditure) OR TOPIC: (Oxygen utilisation) OR TOPIC: (Oxygen utilization) OR TOPIC: (Energy metabolism) OR TOPIC: (Energy consumption) OR TOPIC: (Energy cost) OR TOPIC: (Energy demand) OR TOPIC: (Energy expenditure) OR TOPIC: (Energy utilisation) OR TOPIC: (Energy utilization) OR TOPIC: (Metabolic equivalent) OR TOPIC: (Metabolic equivalents) OR TOPIC: (Metabolic equivalent of task) OR TOPIC: (Metabolic equivalent of tasks) OR TOPIC: (MET) OR TOPIC: (Metabolic consumption) OR TOPIC: (Metabolic cost) OR TOPIC: (Metabolic demand) OR TOPIC: (Metabolic expenditure) OR TOPIC: (VO2) |
| 4 | PIO | \#3 AND \#2 AND \#1 |

Settings: search (all databases), time span (all years) and search language (auto).
Search 4 was used to find eligible records.

## Supplementary Table S3: Complete search strategy in the electronic Cochrane Central

 Register of Controlled Trials according to the PICO (Population Intervention ComparisonOutcome) method

| Search | PICO | Query |
| :---: | :---: | :---: |
| 1 | P | MeSH descriptor: [Stroke] explode all trees |
| 2 | P | "Stroke" |
| 3 | P | "Strokes" |
| 4 | P | "Post-Stroke" |
| 5 | P | "Poststroke" |
| 6 | P | "Post Stroke" |
| 7 | P | "Cerebrovascular Accident" |
| 8 | P | "CVA" |
| 9 | P | "CVAs" |
| 10 | P | "Apoplexy" |
| 11 | P | "Brain Vascular Accident" |
| 12 | P | "Brain Vascular Accidents" |
| 13 | P | \#1 OR \#2 OR \#3 OR \#4 OR \#5 OR \#6 OR \#7 OR \#8 OR \#9 OR \#10 OR \#11 OR \#12 |
| 14 | I | MeSH descriptor: [Gait] explode all trees |
| 15 | I | "Gait" |
| 16 | I | MeSH descriptor: [Walking] explode all trees |
| 17 | I | "Walking" |
| 18 | I | "Walk" |
| 19 | I | "Ambulation" |
| 20 | I | "Ambulating" |
| 21 | I | "Ambulate" |
| 22 | I | "Locomotion" |
| 23 | I | "Stepping" |
| 24 | I | "Step" |
| 25 | I | "March" |
| 26 | I | \#14 OR \#15 OR \#16 OR \#17 OR \#18 OR \#19 OR \#20 OR \#21 OR \#22 OR \#23 OR \#24 OR \#25 |
| 27 | O | MeSH descriptor: [Oxygen Consumption] explode all trees |
| 28 | O | "Oxygen Consumption" |
| 29 | O | "Oxygen Cost" |
| 30 | O | "Oxygen Demand" |
| 31 | O | "Oxygen Expenditure" |
| 32 | O | "Oxygen Utilization" |
| 33 | O | "Oxygen Utilisation" |
| 34 | O | MeSH descriptor: [Energy Metabolism] explode all trees |
| 35 | O | "Energy Consumption" |
| 36 | O | "Energy Cost" |
| 37 | O | "Energy Demand" |
| 38 | O | "Energy Expenditure" |
| 39 | O | "Energy Utilization" |
| 40 | O | "Energy Utilisation" |
| 41 | O | MeSH descriptor: [Metabolic Equivalent] explode all trees |
| 42 | O | "Metabolic Equivalent of Task" |
| 43 | O | "Metabolic Equivalent of Tasks" |
| 44 | O | "Metabolic Consumption" |
| 45 | O | "Metabolic Demand" |
| 46 | O | "Metabolic Expenditure" |
| 47 | O | "VO2" |
| 48 | O | \#27 OR \#28 OR \#29 OR \#30 OR \#31 OR \#32 OR \#33 OR \#34 OR \#35 OR \#36 OR \#37 OR \#38 OR \#39 OR \#40 OR \#41 OR \#42 OR \#43 OR \#44 OR \#45 OR \#46 OR \#47 |
| 49 | PIO | \#13 AND \#26 AND \#48 |

[^1]
## Supplementary Table S4: Complete search strategy in the electronic database Embase according to the PICO (Population Intervention Comparison Outcome) method

| Search | PICO | Query |
| :--- | :--- | :--- |
| 1 | P | ('stroke' OR 'strokes' OR 'post-stroke' OR 'poststroke' OR 'cerebrovascular accident' OR 'cerebrovascular <br> accidents' OR 'cva' OR 'cvas' OR 'apoplexy' OR 'brain vascular accident' OR 'brain vascular accidents') <br> ('gait' OR 'walking' OR 'walk' OR 'ambulation' OR 'ambulating' OR 'ambulate' OR 'locomotion' OR 'stepping' |
| 3 | I | OR 'step' OR 'march') <br> ('oxygen consumption' OR 'oxygen cost' OR 'oxygen demand' OR 'oxygen expenditure' OR 'oxygen utilization' |
|  | O OR 'oxygen utilisation' OR 'energy metabolism' OR 'energy consumption' OR 'energy cost' OR 'energy demand' |  |
| OR 'energy expenditure' OR 'energy utilization' OR 'energy utilisation' OR 'metabolic equivalent' OR 'metabolic |  |  |
| equivalents' OR 'metabolic equivalent of task' OR 'metabolic consumption' OR 'metabolic cost' OR 'metabolic |  |  |
| demand' OR 'metabolic expenditure' OR vo2) |  |  |

[^2]
## Supplementary Table S5: Criteria for judging risk of bias

| Domain | Risk | Judgement Criteria |
| :---: | :---: | :---: |
| Sampling bias | High | Recruitment of volunteers, patients in only one centre, a specific target population within the eligibility criteria of this systematic review, or patients with health problems other than stroke that could affect the rate of energy consumption or cost during walking |
|  | Unclear | Recruitment of the sample was not addressed, or insufficient reporting to permit judgement |
|  | Low | Recruitment of a random sample of the population |
| Performance bias | High | Order of the walking sessions is not randomized and/or insufficient rest is provided between sessions to rule out order effects (crossover studies) |
|  |  | The intake of food, caffeine, nicotine or alcohol, or activities prior to the walking tests, are not restricted |
|  | Unclear | Restrictions of food, caffeine, nicotine or alcohol intake, or activities prior to the walking tests, are not addressed, or insufficient reporting to permit judgement |
|  | Low | Order of the walking sessions is adequately randomized and/or sufficient rest is provided between sessions to rule out order effects (crossover studies) |
|  |  | The intake of food, caffeine, nicotine or alcohol, or activities prior to the walking tests, are restricted |
|  |  | Only the pre- or first assessment data is of interest for this systematic review (randomized controlled trials, before-after trials, reliability studies) |
| Detection bias | High | Outcome assessor is not blinded to the intervention or exposure status of participants and this is likely to influence the results |
|  | Unclear | Blinding is not addressed, or insufficient reporting to permit judgement |
|  | Low | Outcome assessor is blinded to the intervention or exposure status of the participants |
|  |  | Outcome assessor is not blinded to the intervention or exposure status of participants, but this is unlikely to influence the result |
| Attrition bias | High | Missing data are likely to have relevant impact on observed effect or related to true outcome |
|  | Unclear | Missing data are not addressed, or insufficient reporting to permit judgement |
|  | Low | No missing data or missing data are not likely to have relevant impact on the observed effect |
| Reporting bias | High | A pre-specified protocol is not available and not all specified outcomes of interest for this systematic review that are listed in the method section, are listed in the results section |
|  | Unclear | A pre-specified protocol is not available, but all specified outcomes of interest for this systematic review that are listed in the method section, are listed in the results section |
|  | Low | A pre-specified registered protocol is available and all pre-specified outcomes of interest for this systematic review are listed in the results section |

Supplementary Formula S1: Formulas used to compute summary mean, standard error of the summary mean and variance of the summary mean of multiple correlated variables (56)

Summary mean $(\bar{M})$

$$
\bar{M}=\frac{1}{k}\left(\sum_{i=1}^{k} M_{i}\right)
$$

Variance of the summary mean $(\operatorname{var}(\bar{M}))$

$$
\operatorname{var}(\bar{M})=\left(\frac{1}{k}\right)^{2}\left(\sum_{i=1}^{k} V_{i}+\sum_{i \neq j}\left(r_{i j} \sqrt{V_{i}} \sqrt{V_{j}}\right)\right)
$$

Standard error of the summary mean $\left(S E_{\bar{M}}\right)$

$$
S E_{\bar{M}}=\frac{\sqrt{\operatorname{var}(\bar{M})}}{\sqrt{n}}
$$

$k$, number of walking interventions; $r$, Pearson's correlation between each pair of walking interventions

Supplementary Table S6: Post-stroke gross energy consumption in $\mathrm{ml} / \mathrm{kg} / \mathrm{min}$ : the impact of increasing the correlation coefficient $(r)$ in the calculation of the summary standard error on the pooled mean, the pooled $95 \%$ confidence interval (CI) and the presence of heterogeneity ( $\mathrm{I}^{2}$ and $p$-value $\mathrm{Chi}^{2}$ )

| Assistance modality | Subgroup analysis |  | $r$ | Pooled <br> mean | Pooled 95\%CI | $I^{2}$ | $p$ value $\mathrm{Chi}^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unassisted overground walking | No |  | 0.5 | 11.67 | 10.04-13.29 | 93\% | $<0.00001$ |
|  |  |  | 0.7 | 11.67 | 10.01-13.13 | 93\% | < 0.00001 |
|  |  |  | 0.9 | 11.67 | 9.98-13.36 | 93\% | < 0.00001 |
|  | Time after stroke | Subacute | 0.5 | $\mathrm{n} / \mathrm{a}$ | n /a | n/a | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | n/a | n/a | n/a |
|  |  | Chronic | 0.5 | 11.95 | $9.69-14.21$ | 95\% | < 0.00001 |
|  |  |  | 0.7 | 11.96 | $9.63-14.28$ | 95\% | < 0.00001 |
|  |  |  | 0.9 | 11.96 | 9.58-14.35 | 95\% | $<0.00001$ |
|  |  | Mixed | 0.5 | 11.08 | 10.03-12.13 | 0\% | 0.97 |
|  |  |  | 0.7 | 11.08 | 10.03-12.13 | 0\% | 0.97 |
|  |  |  | 0.9 | 11.08 | 10.03-12.13 | 0\% | 0.97 |
|  | Type of speed | Comfortable walking speed | 0.5 | 10.55 | $9.93-11.16$ | 0\% | 0.57 |
|  |  |  | 0.7 | 10.57 | 9.94-11.19 | 0\% | 0.59 |
|  |  |  | 0.9 | 10.58 | 9.95-11.21 | 0\% | 0.60 |
|  |  | Maximal walking speed | 0.5 | 19.90 | 18.08-21.72 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | 19.90 | 18.08-21.72 | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.9 | 19.90 | 18.08-21.72 | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Imposed walking speed | 0.5 | n /a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Mixed walking speed | 0.5 | 11.80 | 10.29-13.31 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | 11.80 | 10.19-13.41 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | 11.80 | 10.09-13.51 | $\mathrm{n} / \mathrm{a}$ | n/a |
| Unassisted treadmill walking | No |  | 0.5 | 9.76 | $8.98-10.54$ | 87\% | < 0.00001 |
|  |  |  | 0.7 | 9.71 | $8.96-10.47$ | 86\% | < 0.00001 |
|  |  |  | 0.9 | 9.67 | $8.94-10.41$ | 84\% | <0.00001 |
|  | Time after stroke | Subacute | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | n/a | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Chronic | 0.5 | 9.76 | $8.98-10.54$ | 87\% | <0.00001 |
|  |  |  | 0.7 | 9.71 | $8.96-10.47$ | 86\% | <0.00001 |
|  |  |  | 0.9 | 9.67 | $8.94-10.41$ | 84\% | <0.00001 |
|  |  | Mixed | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a |
|  | Type of speed | Comfortable walking speed | 0.5 | 8.60 | 7.82-9.38 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | 8.60 | $7.82-9.38$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.9 | 8.60 | $7.82-9.38$ | n/a | n/a |
|  |  | Maximal walking speed | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Imposed walking speed | 0.5 | 9.18 | $8.60-9.77$ | 72\% | 0.03 |
|  |  |  | 0.7 | 9.18 | 8.60-9.77 | 72\% | 0.03 |
|  |  |  | 0.9 | 9.18 | $8.60-9.77$ | 72\% | 0.03 |
|  |  | Mixed walking speed | 0.5 | 11.60 | 10.24-12.95 | 59\% | 0.12 |
|  |  |  | 0.7 | 11.57 | 10.22-12.92 | 52\% | 0.15 |
|  |  |  | 0.9 | 11.55 | 10.21-12.88 | 45\% | 0.18 |
| Treadmill walking with assistive devices and/or lower limb orthoses | No |  | 0.5 | 9.69 | $8.97-10.41$ | 70\% | 0.002 |
|  |  |  | 0.7 | 9.70 | 8.98-10.42 | 69\% | 0.002 |
|  |  |  | 0.9 | 9.71 | $8.98-10.43$ | 69\% | 0.002 |
|  | Time after stroke | Subacute | 0.5 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Chronic | 0.5 | 9.69 | $8.97-10.41$ | 70\% | 0.002 |



Supplementary Table S7: Post-stroke gross energy cost in $\mathrm{ml} / \mathrm{kg} / \mathrm{m}$ : the impact of increasing the correlation coefficient $(r)$ in the calculation of the summary standard error on the pooled mean, the pooled $95 \%$ confidence interval (CI) and the presence of heterogeneity ( $\mathrm{I}^{2}$ and $p$ value $\mathrm{Chi}^{2}$ )

| Assistance modality | Subgroup analysis |  | $r$ | Pooled mean | Pooled 95\%CI | $\mathrm{I}^{2}$ | $p$ value $\mathrm{Chi}^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Treadmill walking with assistive devices and/or lower limb orthoses | No |  | 0.5 | 0.37 | 0.31-0.43 | 90\% | $<0.00001$ |
|  |  |  | 0.7 | 0.37 | $0.31-0.44$ | 90\% | < 0.00001 |
|  |  |  | 0.9 | 0.37 | $0.31-0.43$ | 88\% | <0.00001 |
|  | Time after stroke | Subacute | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Chronic | 0.5 | 0.37 | 0.31-0.43 | 90\% | $<0.00001$ |
|  |  |  | 0.7 | 0.37 | 0.31-0.44 | 90\% | $<0.00001$ |
|  |  |  | 0.9 | 0.37 | $0.31-0.43$ | 88\% | $<0.00001$ |
|  |  | Mixed | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  | Type of speed | Comfortable walking speed | 0.5 | 0.39 | 0.30-0.48 | 93\% | $<0.00001$ |
|  |  |  | 0.7 | 0.39 | 0.30-0.48 | 93\% | $<0.00001$ |
|  |  |  | 0.9 | 0.39 | 0.30-0.48 | 91\% | $<0.00001$ |
|  |  | Maximal walking speed | 0.5 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Imposed walking speed | 0.5 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Mixed walking speed | 0.5 | 0.33 | 0.27-0.38 | 67\% | 0.03 |
|  |  |  | 0.7 | 0.32 | 0.26-0.38 | 58\% | 0.07 |
|  |  |  | 0.9 | 0.32 | $0.26-0.37$ | 52\% | 0.10 |

Supplementary Table S8: Post-stroke net energy cost in $\mathrm{J} / \mathrm{kg} / \mathrm{m}$ : the impact of increasing the correlation coefficient $(r)$ in the calculation of the summary standard error on the pooled mean, the pooled $95 \%$ confidence interval (CI) and the presence of heterogeneity ( $\mathrm{I}^{2}$ and $p$ value $\mathrm{Chi}^{2}$ )

| Assistance modality | Subgroup analysis |  | $r$ | Pooled mean | Pooled 95\%CI | $\mathrm{I}^{2}$ | $p$ value $\mathrm{Chi}^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Treadmill walking with assistive devices and/or lower limb orthoses | No |  | 0.5 | 0.37 | $0.31-0.43$ | 90\% | $<0.00001$ |
|  |  |  | 0.7 | 0.37 | $0.31-0.44$ | 90\% | $<0.00001$ |
|  |  |  | 0.9 | 0.37 | $0.31-0.43$ | 88\% | $<0.00001$ |
|  | Time after stroke | Subacute | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a |
|  |  | Chronic | 0.5 | 0.37 | $0.31-0.43$ | 90\% | $<0.00001$ |
|  |  |  | 0.7 | 0.37 | 0.31-0.44 | 90\% | $<0.00001$ |
|  |  |  | 0.9 | 0.37 | $0.31-0.43$ | 88\% | $<0.00001$ |
|  |  | Mixed | 0.5 | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a |
|  | Type of speed | Comfortable walking speed | 0.5 | 0.39 | 0.30-0.48 | 93\% | $<0.00001$ |
|  |  |  | 0.7 | 0.39 | $0.30-0.48$ | 93\% | $<0.00001$ |
|  |  |  | 0.9 | 0.39 | 0.30-0.48 | 91\% | $<0.00001$ |
|  |  | Maximal walking speed | 0.5 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.9 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  | Imposed walking speed | 0.5 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  |  |  | 0.7 | n/a | n/a | n/a | n/a |
|  |  |  | 0.9 | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a |
|  |  | Mixed walking speed | 0.5 | 0.33 | 0.27-0.38 | 67\% | 0.03 |
|  |  |  | 0.7 | 0.32 | $0.26-0.38$ | 58\% | 0.07 |
|  |  |  | 0.9 | 0.32 | $0.26-0.37$ | 52\% | 0.10 |


[^0]:    Search 4 was used to find eligible records

[^1]:    Search 49 was used to find eligible records.

[^2]:    Search 4 was used to find eligible records.

