



Supplementary Materials

Improved VO₂max Estimation by Combining a Multiple Regression Model and Linear Extrapolation Method

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Table S1. Validated questionnaire for VO₂max estimation.

	Questions	Answer options (points*)
Q1	How frequently on average do you engage in heart rate-increasing physical tasks during working hours?	1. never/almost never (0) 2. rarely (3) 3. sometimes (5) 4. often (10)
Q2	In your leisure time on a workday, how much intentional physical activity do you engage in?	1. never/almost never (0) 2. 1–3 days a month (1) 3. 1 or 2 days a week (2) 4. ≥ 3 days a week (3)
Q3	If options 2–4 were selected from Q2, please provide the average exercise time per day	1. < 15 min (1) 2. 15–30 min (2) 3. 31–60 min (3) 4. > 60 min (4) N/A (Q2 =1)
Q4	If options 2–4 were selected from Q2, please tell us the approximate intensity of the exercise per session	1. no sweating or panting (0) 2. sweating and panting (3) 3. strained breathing (5) 4. to the point of exhaustion(10) N/A (Q2 =1)
Q5	On holidays, how much intentional physical activity do you engage in?	1. never/almost never (0) 2. 1–2 days a month (1) 3. once a week (2) 4. ≥2 days a week (3)
Q6	If options 2–4 were selected from Q5, please provide the average exercise time per day	1. < 15 min (1) 2. 15–30 mins (2) 3. 31–60 mi (3) 4. > 60 min (4) N/A (Q5 =1)
Q7	If options 2–4 were selected from Q5, please tell us the approximate intensity of the exercise per session	1. no sweating or panting (0) 2. sweating and panting (3) 3. strained breathing (5) 4. to the point of exhaustion(10) N/A (Q5 =1)

*If the respondent selects option #1 on Q2, the scores on Q3 and Q4 are zero. Similarly, if the respondent selects option #1 on Q5, the scores on Q6 and Q7 are zero. The PA score (0–44 points) is calculated by adding the points from Q1–Q7.