**Supplemental Materials for:**

Cross-Linguistic Validity of the French and Dutch Versions of the Very Short Form of the Physical Self-Inventory among Adolescents

These online supplements comprise two sections, including:

Table S1. French, Dutch and English Back-Translated Items from the PSI-VS

Table S2. Goodness of Fit Indices of the Sample (Flemish vs. French samples) Measurement Invariance Tests Conducted on the Original PSI-VS

Table S1

*French, Dutch and English Back-Translated Items from the PSI-VS*

|  |  |  |  |
| --- | --- | --- | --- |
| Items | French Items | Dutch Items | English Items |
| GSW1 | J'ai une bonne opinion de moi-même | Ik heb een goed gedacht van mezelf | I have a good opinion of myself |
| PSW1 | Globalement, je suis satisfait(e) de mes capacités physiques | In het algemeen ben ik trots op wat ik fysiek kan | Globally, I’m proud of what I can do physically |
| PS1 | Je suis physiquement plus fort(e) que les autres | Ik ben fysiek sterker dan de meeste mensen | I’m physically stronger than most people |
| PSW2 | Je suis content(e) de ce que je peux faire physiquement | Ik ben blij met wat ik fysiek kan | I’m happy with what I can do physically |
| PC1 | Je serais bon(ne) dans une épreuve d'endurance | Ik ben goed in oefeningen die fysieke uithouding vragen | I would be good at physical stamina exercises |
| PA1 | J'ai un corps agréable à regarder | Ik heb een mooi lichaam om naar te kijken | I have a nice body to look at |
| PS2 | Je serais bon(ne) dans une épreuve de force | Ik zou goed zijn in oefeningen die kracht vereisen | I would be good at exercises that require strength |
| PC2 | Je pense pouvoir courir longtemps sans être fatigué(e) | Ik denk dat ik lang kan lopen zonder moe te worden | I think I could run for a long time without tiring |
| SC1 | Je me débrouille bien dans tous les sports | Ik kan een oplossing vinden bij problemen in alle sporten | I can find a way out of difficulties in all sports |
| PA2 | Personne ne me trouve beau(belle)\* | Niemand vindt dat ik er goed uit zie\* | Nobody finds me good-looking\* |
| PA2 reversed | Tout le monde me trouve beau(belle) | Iedereen vindt dat ik er goed uit zie | Everybody thinks that I am good-looking |
| SC2 | Je réussis bien en sport | Ik ben goed in sporten | I do well in sports |
| GSW2 | Je voudrais rester comme je suis | Ik zou willen blijven zoals ik ben | I would like to stay as I am |
| Answer Scale | 1-Pas du tout; 2- Très peu; 3- Un peu; 4- Assez; 5- Beaucoup; 6- Tout à fait | 1- Helemaal niet; 2- Zelden; 3- Eerder niet; 4- Eerder wel; 5- Meestal juist; 6- Altijd juist | 1- Not at all; 2- Very little3- Some; 4- Enough5- A lot; 6- Entirely |

*Note.* \*reversed score; GSW = global self-worth; PSW = physical self-worth; PC = physical condition; SC = sport competence; PA = physical attractiveness; PS = physical strength; English items have not been validated yet and are only provide to help readers not familiar with French or Dutch to understand the meaning of each item.

Table S2

*Goodness of Fit Indices of the Sample (Flemish vs. French samples) Measurement Invariance Tests Conducted on the Original PSI-VS*

| Description | χ²(*df*) | CFI | TLI | RMSEA | 90% CI | CM | ∆Rχ²(*df*) | ∆CFI | ∆TLI | ∆RMSEA |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3-1. Configural invariance  | 285.21(78)\*\* | .982 | .969 | .049 | .043-.055 | - | - | - | - | - |
| 3-2. λs invariant without ETEC | 402.25(84)\*\* | .972 | .955 | .058 | .053-.064 | 3-1. | 131.39(6)\*\* | -.010 | -.014 | +.009 |
| 3-3. λs(PA2) invariant without ETEC | 327.38(83)\*\* | .978 | .965 | .052 | .046-.057 | 3-1. | 46.13(5)\*\* | -.004 | -.004 | +.003 |
| 3-4. λs(PA2) invariant with partial ETEC  | 382.48(87)\*\* | .974 | .960 | .055 | .050-.061 | 3-3. | 61.50(4)\*\* | -.004 | -.005 | +.003 |
| 3-5. λs(PA2), τs invariant | 534.79(93)\*\* | .961 | .944 | .065 | .060-.071 | 3-4. | 173.18(6)\*\* | -.013 | -.016 | +.010 |
| 3-6. λs(PA2), τs(PA2) invariant | 448.50(92)\*\* | .968 | .954 | .059 | .054-.065 | 3-4. | 72.04(5)\*\* | -.006 | -.006 | +.004 |
| 3-7. λs(PA2), τs(PA2), δs invariant | 866.48(104)\*\* | .932 | .914 | .081 | .076-.086 | 3-6. | 384.47(12)\*\* | -.036 | -.040 | +.022 |
| 3-8. λs(PA2), τs(PA2), δs(GSW2, PSW1, PSW2, PA2, PS1, PS2) invariant | 506.36(98)\*\* | .964 | .951 | .061 | .056-.067 | 3-6. | 54.96(6)\*\* | -.004 | -.003 | +.002 |
| 3-9. λs(PA2), τs(PA2), δs(GSW2, PSW1, PSW2, PA2, PS1, PS2), ξs/φs invariant | 857.33(119)\*\* | .934 | .927 | .075 | .070-.080 | 3-8. | 359.66(21)\*\* | -.030 | -.024 | +.014 |
| 3-10. λs(PA2), τs(PA2), δs(GSW2, PSW1, PSW2, PA2, PS1, PS2), ξs (PC, SC, PA)/φs invariant | 614.08(116)\*\* | .956 | .949 | .062 | .057-.067 | 3-8. | 108.13(18)\*\* | -.008 | -.002 | +.001 |
| 3-11. λs, τs(PA2), δs(GSW2, PSW1, PSW2, PA2, PS1, PS2), ξs (PC, SC, PA)/φs, ηs invariant | 714.40(122)\*\* | .947 | .943 | .066 | .062-.071 | 3-10. | 109.32(6)\*\* | -.009 | -.006 | +.004 |

*Note*. χ² = chi-square; CFI = comparative fit index; CM = comparison model; *df* = degrees of freedom; ETEC = essentially tau-equivalent constraints; GSW = global self-worth; PA = physical attractiveness; PC = physical condition; PS = physical strength; PSI-VS = Physical Self-Inventory – Very Short form*;* PSW = physical self-worth; RMSEA = root mean square error of approximation; SC = sport competence; TLI = Tucker-Lewis index; 90% CI = 90% confidence interval of the RMSEA; λ = loading; τ = intercept; δ = uniquenesses; ξ = variance; φ = covariance; η = factor means; *∆*R*χ²* = Robust chi-square difference tests; *∆*= change from previous model. \* *p* < .05. \*\**p* < .01.