

## English YAP calibration models and equations

### In-school MVPA calibration model

n=200	$\beta$	SE	p
Intercept (Primary level)	45.51	9.14	<.001
Intercept (Secondary level)	13.72	5.58	.011
Sex	-11.34	2.47	<.001
YAP x Primary level	1.78	2.33	.45
YAP x Secondary level	7.31	1.66	<.001

#### *Calibration equations*

- Primary boys:  $\text{YAP \% MVPA} = 45.51 + 1.78 * \text{YAP score}$
- Primary girls:  $\text{YAP \% MVPA} = 45.51 + 1.78 * \text{YAP score} - 11.34$
- Secondary boys:  $\text{YAP \% MVPA} = 13.72 + 7.31 * \text{YAP score}$
- Secondary girls:  $\text{YAP \% MVPA} = 13.72 + 7.31 * \text{YAP score} - 11.34$

### Out-of-school MVPA calibration model

n=196	$\beta$	SE	p
Intercept (Primary level)	12.75	5.01	.012
Intercept (Secondary level)	2.61	3.41	.45
Sex	-1.61	1.95	.41
YAP x Primary level	2.01	2.06	.33
YAP x Secondary level	4.44	1.18	<.001

#### *Calibration equations*

- Primary boys:  $\text{YAP \% MVPA} = 12.75 + 2.01 * \text{YAP score}$
- Primary girls:  $\text{YAP \% MVPA} = 12.75 + 2.01 * \text{YAP score} - 1.61$
- Secondary boys:  $\text{YAP \% MVPA} = 2.61 + 4.44 * \text{YAP score}$
- Secondary girls:  $\text{YAP \% MVPA} = 2.61 + 4.44 * \text{YAP score} - 1.61$

### Weekend MVPA calibration model

n=187	$\beta$	SE	p
Intercept (Primary level)	15.17	5.02	.003
Intercept (Secondary level)	8.44	3.18	.009
Sex	-4.33	1.56	.006
YAP x Primary level	1.13	1.22	.36
YAP x Secondary level	1.44	0.90	.11

#### *Calibration equations*

- Primary boys: YAP % MVPA =  $15.17 + 1.13 * \text{YAP score}$
- Primary girls: YAP % MVPA =  $15.17 + 1.13 * \text{YAP score} - 4.33$
- Secondary boys: YAP % MVPA =  $8.44 + 1.44 * \text{YAP score}$
- Secondary girls: YAP % MVPA =  $8.44 + 1.44 * \text{YAP score} - 4.33$

### Out-of-school SB calibration model

n=196	$\beta$	SE	p
Intercept (Primary level)	34.92	12.71	.007
Intercept (Secondary level)	48.95	8.91	<.001
Sex	1.61	2.99	.59
YAP x Primary level	-0.84	5.22	.87
YAP x Secondary level	5.65	2.54	.027

#### *Calibration equations*

- Primary boys: YAP % SB =  $34.92 - 0.84 * \text{YAP score}$
- Primary girls: YAP % SB =  $34.92 - 0.84 * \text{YAP score} + 1.61$
- Secondary boys: YAP % SB =  $48.95 + 5.65 * \text{YAP score}$
- Secondary girls: YAP % SB =  $48.95 + 5.65 * \text{YAP score} + 1.61$