

**Supplementary Material Table 3.** Cross-sectional associations between domains of physical activity, sitting time and different measures of overweight/obesity

		cut points	BMI 25-29.99		BMI ≥30		WC 94-101.9 / 80-87.9		WC ≥102 / ≥88		WHR 0.9-0.99 / 0.8-0.84		WHR ≥1.0 / ≥0.85		WHtR 0.5-0.59		WHtR ≥0.6		BIA % body fat >25% / >32%		
			OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	
<b>IPAQ</b>																					
Total PA (MET-min/week)	low	<2528	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	medium	2528 to 5910	<b>0.81</b>	<b>0.65-1.00</b>	<b>0.65</b>	<b>0.50-0.86</b>	0.83	0.65-1.06	<b>0.74</b>	<b>0.60-0.93</b>	1.12	0.88-1.43	0.92	0.71-1.19	0.80	0.64-1.01	<b>0.64</b>	<b>0.47-0.88</b>	<b>0.63</b>	<b>0.51-0.78</b>	
	high	>5910	0.93	0.75-1.16	<b>0.71</b>	<b>0.54-0.94</b>	0.84	0.65-1.07	<b>0.65</b>	<b>0.51-0.81</b>	1.09	0.84-1.40	0.92	0.71-1.20	0.86	0.68-1.08	<b>0.67</b>	<b>0.49-0.92</b>	<b>0.60</b>	<b>0.48-0.74</b>	
PA at work (MET-min/week)	low	0	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	high	>0	0.90	0.74-1.09	1.04	0.80-1.34	1.01	0.81-1.26	0.99	0.80-1.22	1.13	0.91-1.41	1.16	0.91-1.47	0.98	0.80-1.21	0.96	0.72-1.28	0.99	0.82-1.19	
Transport PA (MET-min/week)	low	<235	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	medium	235 to 990	0.84	0.67-1.04	0.92	0.69-1.21	1.08	0.85-1.38	0.94	0.74-1.18	0.87	0.68-1.11	<b>0.75</b>	<b>0.57-0.97</b>	1.04	0.83-1.31	0.91	0.66-1.24	0.92	0.75-1.14	
	high	>990	0.87	0.70-1.09	<b>0.65</b>	<b>0.49-0.88</b>	0.88	0.68-1.13	<b>0.76</b>	<b>0.60-0.97</b>	0.86	0.67-1.12	<b>0.65</b>	<b>0.49-0.87</b>	0.96	0.75-1.21	<b>0.67</b>	<b>0.48-0.94</b>	0.83	0.67-1.04	
Domestic PA (MET-min/week)	low	<425	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	medium	425 to 1740	0.90	0.73-1.12	1.03	0.78-1.37	1.12	0.88-1.43	0.91	0.73-1.15	1.14	0.89-1.45	1.08	0.82-1.41	1.05	0.83-1.31	0.86	0.62-1.18	0.95	0.77-1.18	
	high	>1740	1.09	0.87-1.37	1.04	0.78-1.39	1.22	0.95-1.58	1.03	0.81-1.31	1.16	0.89-1.50	1.16	0.88-1.53	1.26	0.98-1.60	1.15	0.83-1.59	0.86	0.69-1.07	
Leisure-time PA (MET-min/week)	low	<460	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	medium	460 to 1515	0.82	0.66-1.02	<b>0.69</b>	<b>0.52-0.91</b>	0.83	0.65-1.06	<b>0.68</b>	<b>0.54-0.86</b>	0.89	0.69-1.14	<b>0.65</b>	<b>0.50-0.85</b>	<b>0.78</b>	<b>0.62-0.98</b>	<b>0.66</b>	<b>0.48-0.91</b>	<b>0.69</b>	<b>0.56-0.86</b>	
	high	>1515	0.96	0.77-1.19	<b>0.63</b>	<b>0.47-0.85</b>	0.79	0.61-1.01	<b>0.56</b>	<b>0.44-0.71</b>	0.86	0.66-1.11	<b>0.56</b>	<b>0.43-0.74</b>	<b>0.71</b>	<b>0.56-0.90</b>	<b>0.50</b>	<b>0.36-0.69</b>	<b>0.60</b>	<b>0.48-0.74</b>	
Total moderate PA (MET-min/week)	low	<910	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		
	medium	910 to 2900	0.96	0.78-1.18	0.80	0.61-1.05	0.89	0.70-1.13	0.85	0.68-1.06	0.93	0.73-1.18	0.94	0.73-1.22	0.87	0.70-1.09	<b>0.65</b>	<b>0.48-0.88</b>	<b>0.76</b>	<b>0.62-0.93</b>	

	high	>2900	0.99	0.79-1.23	0.82	0.62-1.08	0.91	0.71-1.16	0.79	0.63-1.00	1.10	0.86-1.41	1.06	0.81-1.39	0.96	0.76-1.21	0.88	0.65-1.21	<b>0.67</b>	<b>0.55-0.83</b>
Total walking (MET-min/week)	low	<570	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium	570 to 1800	1.01	0.82-1.24	0.93	0.71-1.22	1.19	0.94-1.51	0.97	0.77-1.21	1.08	0.85-1.37	0.96	0.75-1.24	1.12	0.90-1.40	1.04	0.77-1.42	1.05	0.86-1.28
	high	>1800	0.93	0.75-1.16	0.78	0.59-1.04	0.97	0.75-1.24	<b>0.72</b>	<b>0.57-0.91</b>	1.11	0.86-1.43	0.86	0.66-1.13	0.86	0.68-1.09	<b>0.71</b>	<b>0.52-0.99</b>	0.94	0.76-1.17
Total vigorous PA (MET-min/week)	low	0	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium	1 to 960	0.84	0.67-1.06	<b>0.50</b>	<b>0.36-0.70</b>	<b>0.70</b>	<b>0.53-0.91</b>	<b>0.68</b>	<b>0.53-0.87</b>	<b>0.68</b>	<b>0.52-0.88</b>	<b>0.73</b>	<b>0.55-0.97</b>	0.80	0.63-1.02	<b>0.47</b>	<b>0.33-0.68</b>	<b>0.71</b>	<b>0.57-0.89</b>
	high	>960	0.95	0.77-1.18	<b>0.72</b>	<b>0.55-0.95</b>	<b>0.79</b>	<b>0.62-1.00</b>	<b>0.66</b>	<b>0.53-0.83</b>	0.83	0.65-1.06	0.84	0.65-1.09	0.82	0.65-1.02	<b>0.53</b>	<b>0.39-0.73</b>	<b>0.59</b>	<b>0.49-0.73</b>
Activity category	low		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium		<b>0.67</b>	<b>0.49-0.92</b>	0.81	0.55-1.21	1.16	0.80-1.69	0.81	0.58-1.13	0.81	0.56-1.18	0.77	0.52-1.15	0.93	0.66-1.31	0.74	0.47-1.16	0.93	0.67-1.28
	high		<b>0.74</b>	<b>0.55-1.00</b>	<b>0.66</b>	<b>0.46-0.97</b>	0.95	0.67-1.35	<b>0.68</b>	<b>0.50-0.92</b>	1.00	0.70-1.42	0.85	0.58-1.24	0.86	0.62-1.19	<b>0.62</b>	<b>0.41-0.94</b>	<b>0.62</b>	<b>0.46-0.84</b>
Sitting (hours/day)	low	<4.58 h	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium	4.58 to 6.86 h	1.09	0.87-1.37	1.01	0.76-1.36	<b>1.34</b>	<b>1.04-1.73</b>	1.14	0.90-1.45	0.99	0.77-1.28	0.87	0.66-1.14	1.05	0.83-1.33	1.13	0.82-1.57	<b>1.39</b>	<b>1.12-1.72</b>
	high	>6.86 h	1.14	0.90-1.43	1.14	0.85-1.54	1.29	1.00-1.68	1.25	0.98-1.59	0.91	0.70-1.19	0.89	0.67-1.18	1.18	0.93-1.51	1.03	0.73-1.45	<b>1.59</b>	<b>1.28-1.98</b>
<b>Short PA questionnaire</b>																				
Moderate PA (min/week)	low	<95	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium	95 to 280	0.94	0.76-1.17	0.85	0.65-1.11	0.92	0.72-1.17	0.97	0.77-1.21	0.85	0.67-1.09	0.82	0.63-1.06	1.10	0.88-1.38	0.94	0.69-1.28	0.86	0.69-1.05
	high	>280	0.85	0.69-1.06	<b>0.65</b>	<b>0.49-0.86</b>	0.85	0.67-1.08	<b>0.70</b>	<b>0.55-0.88</b>	0.85	0.66-1.09	<b>0.61</b>	<b>0.47-0.80</b>	0.81	0.65-1.02	<b>0.67</b>	<b>0.49-0.92</b>	<b>0.60</b>	<b>0.48-0.74</b>
Vigorous PA (min/week)	low	0	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	medium	1 to 60	0.93	0.76-1.14	0.88	0.68-1.14	0.96	0.76-1.21	0.97	0.79-1.21	0.89	0.70-1.12	0.89	0.70-1.14	1.19	0.96-1.47	0.95	0.71-1.27	<b>0.75</b>	<b>0.61-0.91</b>
	high	>60	1.11	0.89-1.39	<b>0.66</b>	<b>0.48-0.90</b>	1.01	0.79-1.29	<b>0.75</b>	<b>0.58-0.95</b>	0.89	0.69-1.14	<b>0.65</b>	<b>0.49-0.87</b>	1.22	0.96-1.54	<b>0.59</b>	<b>0.41-0.84</b>	<b>0.68</b>	<b>0.55-0.85</b>
Activity category	inactive	<150	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	active	≥150	0.87	0.73-1.04	<b>0.75</b>	<b>0.60-0.94</b>	<b>0.81</b>	<b>0.67-0.99</b>	<b>0.76</b>	<b>0.63-0.91</b>	0.85	0.69-1.04	<b>0.63</b>	<b>0.50-0.78</b>	0.85	0.71-1.03	<b>0.68</b>	<b>0.53-0.89</b>	<b>0.66</b>	<b>0.55-0.78</b>

Activity category (MET-min/week dichotomized)	low	<910	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
	high	≥910	0.95	0.80- 1.13	<b>0.69</b>	<b>0.55- 0.87</b>	1.02	0.84-1.24	<b>0.73</b>	<b>0.61- 0.88</b>	0.89	0.73- 1.09	<b>0.62</b>	<b>0.50- 0.76</b>	1.00	0.83- 1.19	<b>0.70</b>	<b>0.54- 0.91</b>	<b>0.68</b>	<b>0.58- 0.81</b>

Note: significant results are in bold

Abbreviations: BMI, body mass index; CI, confidence intervals; IPAQ, International Physical Activity Questionnaire; MET, metabolic equivalent; min, minutes; OR, odds ratio; PA, physical activity; WC, waist circumference; WHR, waist-to-hip ratio; WHtR, waist-to-height ratio