

Appendix Table 4. Aggregate Medical Expenditures and Productivity Losses Attributable to Excess weight using Asian BMI cut-offs.

	Number of residents with excess weight	Medical expenditure, S\$ million (95% CI)	Absenteeism cost, S\$ million (95% CI) <sup>^</sup>	Total cost, S\$ million (95% CI) <sup>†</sup>
<b>Chinese</b>				
Overweight	352,107	-22 (-97, 53)	51** (2, 101)	14 (-79, 106)
Obese I	443,828	12 (-88, 112)	70** (16, 124)	65 (-52, 183)
Obese II	92,336	63** (5, 121)	24 (-12, 60)	81** (5, 156)
Excess weight	888,271	53 (-114, 220)	145*** (57, 233)	159 (-36, 354)
<b>Indian</b>				
Overweight	32,333	-8 (-21, 4)	-3 (-8, 2)	-9 (-23, 4)
Obese I	68,354	-7 (-31, 16)	-3 (-14, 8)	-7 (-33, 18)
Obese II	31,626	-3 (-16, 10)	5 (-3, 12)	2 (-14, 18)
Excess weight	132,313	-19 (-60, 23)	-1 (-20, 18)	-15 (-62, 32)
<b>Malay</b>				
Overweight	34,874	14 (-12, 39)	-8 (-21, 5)	12 (-15, 38)
Obese I	90,002	24 (-26, 74)	-5 (-43, 34)	27 (-30, 83)
Obese II	55,833	28* (-5, 61)	-2 (-21, 16)	32 (-6, 70)
Excess weight	180,709	65 (-26, 157)	-15 (-79, 50)	71 (-32, 174)
<b>Total<sup>#</sup></b>				
Overweight	419,314	-28 (-127, 71)	49* (-7, 105)	12 (-104, 128)
Obese I	602,184	23 (-125, 170)	102*** (32, 1733)	100 (-66, 265)
Obese II	179,796	106** (23, 188)	45** (6, 85)	139*** (39, 240)
Excess weight	1,201,293	148 (-114, 410)	208*** (96, 320)	306** (14, 598)

CI, confidence interval; Reference category is Normal, 18.5 – 24.9 kg/m<sup>2</sup>; Overweight, 25.0 – 29.9 kg/m<sup>2</sup>; Obese, 30.0+ kg/m<sup>2</sup>;

<sup>#</sup> Weighted by population proportion;

<sup>^</sup> Among employed workers only

<sup>†</sup> Absenteeism cost is assigned as 0 for non-working individuals; \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$