**Supplementary Table 1: Consumption of dairy products (grams/day)\* according to glucose metabolism status**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **NGM** | **IGM** | **ND T2DM** | **P difference** |
| N |  | 1,796 | 470 | 125 |  |
| Total dairy products | % consumers | 100% | 100% | 100% | 0.79 |
|  | Intake (g/d) | 166 ± 138 | 151 ±127 | 123 ± 84.0 | <0.01 |
| Full fat products | % consumers | 76.1% | 74.9% | 78.4% | 0.70 |
|  | Intake (g/d) | 23.6 ± 34.7 | 23.3 ± 36.4 | 26.2 ± 34.5 | 0.30 |
| Semi-skimmed products | % consumers | 72.4% | 68.1% | 67.2% | 0.10 |
|  | Intake (g/d) | 63.1 ± 92.2 | 57.4 ± 88.6 | 43.6 ± 68.4 | 0.03 |
| Skimmed products | % consumers | 80.3% | 76.8% | 76.8% | 0.19 |
|  | Intake (g/d) | 54.1 ± 92.5 | 47.3 ± 82.3 | 35.1 ± 48.7 | 0.02 |
| Fermented products | % consumers | 99.0% | 99.2% | 99.2% | 0.93 |
|  | Intake (g/d) | 120 ± 108 | 105 ± 101 | 82.6 ± 59.7 | <0.01 |
| Non-fermented, basic | % consumers | 70.6% | 68.7% | 69.6% | 0.74 |
|  | Intake (g/d) | 51.9 ± 92.2 | 49.0 ± 82.9 | 41.0 ± 67.0 | 0.92 |
| Non-fermented, dessert | % consumers | 98.1% | 98.1% | 98.4% | 0.96 |
|  | Intake (g/d) | 29.8 ± 40.9 | 33.1 ± 50.4 | 28.2 ± 34.9 | 0.75 |
| Butter | % consumers | 42.0% | 38.5 | 36.8% | 0.25 |
|  | Intake (g/d) | 4.41 ± 9.76 | 4.19 ± 8.48 | 5.39 ± 12.1 | 0.60 |
| Milk | % consumers | 53.9% | 53.0% | 52.8% | 0.92 |
|  | Intake (g/d) | 45.5 ±85.3 | 43.5 ± 79.4 | 34.4 ± 63.8 | 0.86 |
| Butter milk | % consumers | 20.9% | 15.6% | 13.6% | <0.01 |
|  | Intake (g/d) | 10.2 ± 36.3 | 9.05 ± 34.5 | 5.36 ± 20.3 | 0.01 |
| Coffee milk | % consumers | 42.3% | 38.1% | 44.8% | 0.20 |
|  | Intake (g/d) | 4.89 ± 11.2 | 5.60 ± 12.4 | 5.62 ± 12.2 | 0.59 |
| Ready to eat porridge | % consumers | 10.0% | 8.51% | 13.60% | 0.23 |
|  | Intake (g/d) | 1.89 ± 11.9 | 2.13 ± 13.9 | 2.50 ± 11.5 | 0.23 |
| Cheese, total | % consumers | 100% | 100% | 100% |  |
|  | Intake (g/d) | 33.1 ± 30.5 | 29.4 ± 24.3 | 32.0 ± 25.9 | 0.28 |
| Cheese, Dutch | % consumers | 96.6% | 95.5% | 96.0% | 0.57 |
|  | Intake (g/d) | 30.1 ± 28.4 | 26.6 ± 23.6 | 29.9 ± 24.7 | 0.11 |
| Cheese, Foreign | % consumers | 78.2% | 79.6% | 68.0% | 0.02 |
|  | Intake (g/d) | 3.01 ± 7.07 | 2.83 ± 5.05 | 2.03 ± 3.63 | 0.03 |
| Curd cheese, total | % consumers | 52.8% | 47.0% | 36.8% | <0.01 |
|  | Intake (g/d) | 12.5 ± 36.2 | 12.6 ± 37.2 | 7.28 ± 17.7 | <0.01 |
| Curd cheese, natural | % consumers | 35.3% | 28.3% | 22.4% | <0.01 |
|  | Intake (g/d) | 7.16 ± 26.4 | 6.59 ± 31.2 | 4.48 ± 12.6 | <0.01 |
| Curd cheese, fruits | % consumers | 38.0% | 34.3% | 26.4% | 0.02 |
|  | Intake (g/d) | 5.34 ± 20.9 | 6.00 ± 18.8 | 2.80 ± 8.78 | 0.03 |
| Yoghurt, total | % consumers | 86.2% | 77.9% | 75.2% | <0.01 |
|  | Intake (g/d) | 63.8 ± 78.4 | 53.9 ± 77.5 | 38.0 ± 45.6 | <0.01 |
| Yoghurt, natural | % consumers | 67.8% | 57.9% | 58.4% | <0.01 |
|  | Intake (g/d) | 40.6 ± 68.3 | 30.9 ± 63.3 | 22.9 ± 37.3 | <0.01 |
| Yoghurt, fruits | % consumers | 59.0% | 56.6% | 49.6% | 0.09 |
|  | Intake (g/d) | 23.2 ± 40.3 | 23.0 ± 41.4 | 15.1 ± 28.5 | 0.03 |
| Drink yoghurt | % consumers | 35.3% | 30.6% | 28.0% | 0.06 |
|  | Intake (g/d) | 13.5 ± 45.4 | 11.0 ± 33.2 | 5.12 ± 28.5 | 0.06 |

NGM:Normal glucose metabolism; IGM: Impaired glucose metabolism; ND T2DM: newly diagnosed type 2 diabetes mellitus.

**\*** mean ± SD

1 serving of milk, cheese, curd cheese and yoghurt corresponds to 200 ml, 20g, 150g, and 150g, respectively