**SUPPLEMENTAL TABLE 4**

Median (25th, 75th percentile) DPA in the plasma lipid fractions of males and females

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| --- | --- | --- |
|  |  |  **MALES** |
|  |  | PC | NEFAs | CEs | TGs |  | PC | NEFAs | CEs | TGs |
|   |   | % | % | % | % |   | μg/ml | μg/ml | μg/ml | μg/ml |
| All |  | 0.82 | 0.32 | 0.08 | 0.35 |  | 12.97 | 0.58 | 1.39 | 2.75 |
|   | (0.62, 1.03) | (0.23, 0.42) | (0.05, 0.12) | (0.24, 0.47) |   | (8.77, 16.51) | (0.44, 0.81) | (0.93, 2.57) | (1.49, 3.93) |
| Oily Fish Intake1 | 0/wk | 0.79 | 0.3 | 0.08 | 0.33 |  | 12.88 | 0.5 | 1.2 | 2.48 |
| (0.52, 0.97) | (0.22, 0.40) | (0.05, 0.10) | (0.24, 0.42) |  | (6.50, 15.53) | (0.41, 0.67) | (0.80, 2.59) | (1.41, 3.04) |
| 0.1-0.99/wk | 0.78 | 0.32 | 0.09 | 0.32 |  | 12.06 | 0.58 | 1.74 | 2.71 |
| (0.60, 1.03) | (0.25, 0.41) | (0.06, 0.15) | (0.24, 0.44) |  | (8.43, 16.93) | (0.45, 0.82) | (1.00, 3.02) | (1.49, 4.17) |
| 1-1.99/wk | 0.91 | 0.33 | 0.06 | 0.46 |  | 13.53 | 0.51 | 1.09 | 3.6 |
| (0.74, 0.99) | (0.23, 0.45) | (0.04, 0.08) | (0.29, 0.52) |  | (9.95, 14.99) | (0.34, 0.94) | (0.81, 1.77) | (1.98, 4.75) |
| 2+/wk | 1 | 0.31 | 0.07 | 0.38 |  | 15.46 | 0.61 | 1.22 | 3.24 |
| (0.71, 1.10) | (0.23, 0.43) | (0.05, 0.14) | (0.23, 0.52) |   | (9.98, 18.28) | (0.47, 1.02) | (0.91, 2.58) | (1.94, 3.90) |
| Age | 20-29y | 0.67 | 0.26 | 0.08 | 0.29 |  | 10.29 | 0.45 | 1 | 1.51 |
| (0.54, 1.00) | (0.21, 0.43) | (0.05, 0.12) | (0.20, 0.34) |  | (7.12, 14.93) | (0.33, 0.67) | (0.74, 1.74) | (1.16, 2.73) |
| 30-39y | 0.82 | 0.34 | 0.08 | 0.39 |  | 12.95 | 0.5 | 1.18 | 2.45 |
| (0.67, 1.03) | (0.23, 0.45) | (0.04, 0.11) | (0.24, 0.45) |  | (8.26, 16.28) | (0.43, 0.81) | (0.86, 2.32) | (1.73, 3.89) |
| 40-49y | 0.73 | 0.31 | 0.07 | 0.32 |  | 10.57 | 0.55 | 1.54 | 2.81 |
| (0.56, 0.96) | (0.23, 0.43) | (0.06, 0.10) | (0.21, 0.43) |  | (7.06, 14.42) | (0.42, 0.70) | (0.95, 2.65) | (1.31, 4.50) |
| 50-59y | 0.94 | 0.33 | 0.09 | 0.38 |  | 13.92 | 0.64 | 1.53 | 3.2 |
| (0.65, 1.01) | (0.28, 0.40) | (0.06, 0.12) | (0.28, 0.51) |  | (10.72, 19.47) | (0.45, 0.90) | (1.02, 3.06) | (2.03, 5.00) |
| 60+y | 0.91 | 0.31 | 0.08 | 0.44 |  | 15.18 | 0.64 | 1.77 | 3.33 |
| (0.76, 1.10) | (0.23, 0.40) | (0.06, 0.15) | (0.24, 0.53) |   | (9.80, 18.08) | (0.56, 0.95) | (1.09, 3.24) | (2.51, 3.87) |
| BMI1 | Normal weight | 0.82 | 0.32 | 0.07 | 0.35 |  | 12.06 | 0.58 | 1.18 | 2.31 |
| (0.62, 1.00) | (0.21, 0.41) | (0.05, 0.10) | (0.24, 0.52) |  | (9.62, 15.17) | (0.41, 0.86) | (0.97, 2.58) | (1.37, 3.47) |
| Overweight | 0.82 | 0.32 | 0.08 | 0.33 |  | 13.3 | 0.55 | 1.54 | 2.76 |
| (0.61, 1.03) | (0.23, 0.44) | (0.05, 0.12) | (0.23, 0.46) |  | (7.95, 16.28) | (0.44, 0.84) | (0.91, 2.34) | (1.54, 4.50) |
| Obese | 0.8 | 0.31 | 0.09 | 0.39 |  | 14.8 | 0.6 | 1.62 | 3.31 |
| (0.67, 1.00) | (0.27, 0.40) | (0.04, 0.17) | (0.28, 0.45) |   | (10.17, 20.00) | (0.44, 0.78) | (1.00, 3.03) | (2.54, 5.05) |
|  |  |  **FEMALES** |
|  |  | PC | NEFAs | CEs | TGs |  | PC | NEFAs | CEs | TGs |
|   |   | % | % | % | % |   | μg/ml | μg/ml | μg/ml | μg/ml |
| All |  | 0.72 | 0.3 | 0.07 | 0.32 |  | 10.56 | 0.64 | 1.3 | 2.02 |
|   | (0.51, 0.94) | (0.22, 0.46) | (0.05, 0.12) | (0.22, 0.47) |   | (7.48, 14.87) | (0.40, 0.91) | (0.80, 2.42) | (1.04, 2.93) |
| Oily Fish Intake1 | 0/wk | 0.71 | 0.29 | 0.07 | 0.28 |  | 11.87 | 0.64 | 1.62 | 2.11 |
| (0.48, 0.99) | (0.20, 0.47) | (0.05, 0.18) | (0.15, 0.42) |  | (5.66, 13.69) | (0.47, 1.10) | (0.74, 3.11) | (0.77, 2.92) |
| 0.1-0.99/wk | 0.65 | 0.29 | 0.07 | 0.31 |  | 9.64 | 0.59 | 1.28 | 1.85 |
| (0.49, 0.88) | (0.21, 0.46) | (0.05, 0.11) | (0.22, 0.40) |  | (7.27, 13.62) | (0.34, 1.02) | (0.82, 2.25) | (1.04, 2.72) |
| 1-1.99/wk | 0.8 | 0.33 | 0.06 | 0.33 |  | 13.24 | 0.64 | 1.34 | 2.01 |
| (0.60, 1.00) | (0.24, 0.43) | (0.05, 0.12) | (0.23, 0.44) |  | (8.44, 15.70) | (0.41, 0.75) | (0.75, 3.26) | (1.15, 2.93) |
| 2+/wk | 0.81 | 0.38 | 0.07 | 0.49 |  | 11.54 | 0.71 | 1.14 | 2.82 |
| (0.61, 0.94) | (0.28, 0.47) | (0.05, 0.15) | (0.25, 0.62) |   | (10.17, 15.78) | (0.39, 1.39) | (0.80, 2.44) | (1.68, 4.35) |
| Age | 20-29y | 0.6 | 0.27 | 0.06 | 0.22 |  | 9.49 | 0.55 | 0.87 | 1.64 |
| (0.40, 0.87) | (0.18, 0.34) | (0.05, 0.09) | (0.16, 0.48) |  | (5.20, 13.20) | (0.34, 0.81) | (0.68, 2.37) | (0.95, 2.72) |
| 30-39y | 0.71 | 0.29 | 0.08 | 0.32 |  | 9.73 | 0.67 | 1.14 | 1.73 |
| (0.56, 0.94) | (0.20, 0.41) | (0.05, 0.14) | (0.22, 0.41) |  | (6.82, 13.36) | (0.36, 0.96) | (0.72, 3.16) | (0.86, 2.68) |
| 40-49y | 0.69 | 0.36 | 0.09 | 0.33 |  | 10.08 | 0.66 | 1.57 | 2.3 |
| (0.58, 0.94) | (0.24, 0.49) | (0.04, 0.12) | (0.30, 0.48) |  | (8.14, 13.91) |  (0.47, 1.01) | (0.83, 2.73) | (1.54, 3.00) |
| 50-59y | 0.79 | 0.31 | 0.06 | 0.32 |  | 12.04 | 0.66 | 1.35 | 2.15 |
| (0.50, 0.95) | (0.22, 0.47) | (0.05, 0.12) | (0.24, 0.45) |  | (8.51, 15.67) | (0.41, 0.88) | (0.92, 2.11) | (1.45, 3.48) |
| 60+y | 0.84 | 0.32 | 0.07 | 0.31 |  | 13.36 | 0.61 | 1.59 | 1.8 |
| (0.55, 0.93) | (0.24, 0.46) | (0.05, 0.11) | (0.25, 0.47) |   | (9.24, 17.99) | (0.36, 1.03) | (0.92, 3.30) | (1.44, 2.63) |
| BMI1 | Normal weight | 0.7 | 0.3 | 0.07 | 0.33 |  | 10.41 | 0.62 | 1.28 | 2.09 |
| (0.52, 0.92) | (0.21, 0.45) | (0.05, 0.12) | (0.22, 0.48) |  | (7.25, 14.68) | (0.34, 0.80) | (0.75, 3.06) | (1.04, 2.90) |
| Overweight | 0.74 | 0.3 | 0.07 | 0.3 |  | 10.5 | 0.7 | 1.32 | 1.78 |
| (0.51, 0.95) | (0.22, 0.48) | (0.05, 0.11) | (0.18, 0.40) |  | (7.87, 13.69) | (0.53, 1.41) | (0.88, 2.11) | (0.94, 3.21) |
| Obese | 0.86 | 0.33 | 0.07 | 0.32 |  | 13.24 | 0.65 | 1.31 | 2.1 |
| (0.54, 1.27) | (0.22, 0.43) | (0.04, 0.13) | (0.28, 0.38) |   | (9.24, 16.78) | (0.39, 0.79) | (0.68, 2.38) | (1.76, 2.68) |

PC, Phosphatidylcholine, NEFAs, non-esterified fatty acids, CEs, cholesteryl esters, TGs, triacyglycerol.

1 Oily fish defined as: salmon, herring, mackerel, fresh tuna, sardines, kippers, and trout.

2 BMI: Normal weight = 18-25 (kg/m2), Overweight = 25.1-30 (kg/m2) and Obese = 30.1-46 (kg/m2).