## Cholesterol



## Triglycerides



## Phospholipids




HDL_PL
corr $=0.69$


Phase 1 data release: comparison of the biomarker values from the main and repeat assessment centre visit (1439 samples, outliers $2 \times$ IQR from median removed)

## Cholesteryl esters

> Total_CE
> corr $=0.63$
> $y=1.12+0.66 x$
> LDL_CE
> corr $=0.57$
> $y=0.5+0.59 x$
> HDL_CE
> corr $=0.76$ $y=0.22+0.8 x$
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## Free cholesterol






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## Total lipids



## Lipoprotein particle concentrations





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## Lipoprotein particle sizes





## Other lipids



## Apolipoproteins



## Fatty acids




## Fatty acid ratios



Omega_6_by_Omega_3


## Amino acids






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## Branched-chain amino acids






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## Aromatic amino acids



Glycolysis related metabolites





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## Ketone bodies






# Fluid balance 





Chylomicrons and extremely large VLDL (particle diameters from 75 nm upwards)


[^0]Very large VLDL (average diameter 64 nm )


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## Large VLDL (average diameter 53.6 nm)



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## Medium VLDL (average diameter 44.5 nm )



## Small VLDL (average diameter 36.8 nm )



[^1]Very small VLDL (average diameter 31.3 nm )


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## IDL (average diameter 28.6 nm )


IDL_C
corr $=0.65$
$\mathrm{y}=0.26+0.67 \mathrm{x}$



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## Large LDL (average diameter 25.5 nm)



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## Medium LDL (average diameter 23 nm )



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## Small LDL (average diameter 18.7 nm)




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Very large HDL (average diameter 14.3 nm)


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## Large HDL (average diameter 12.1 nm)


L_HDL_C
corr $=0.83$
$y=0.05+0.86 x$




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## Medium HDL (average diameter 10.9 nm)



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## Small HDL (average diameter 8.7 nm )



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## Chylomicrons and extremely large VLDL ratios



Very large VLDL ratios


## Large VLDL ratios



## Medium VLDL ratios



## Small VLDL ratios



## Very small VLDL ratios



IDL ratios


## Large LDL ratios



## Medium LDL ratios



## Small LDL ratios



## Very large HDL ratios



## Large HDL ratios



## Medium HDL ratios



## Small HDL ratios




[^0]:    Phase 1 data release: comparison of the biomarker values from the main and repeat assessment centre visit ( 1439 samples, outliers $2 \times$ IQR from median removed)

[^1]:    Phase 1 data release: comparison of the biomarker values from the main and repeat assessment centre visit ( 1439 samples, outliers $2 \times$ IQR from median removed)

