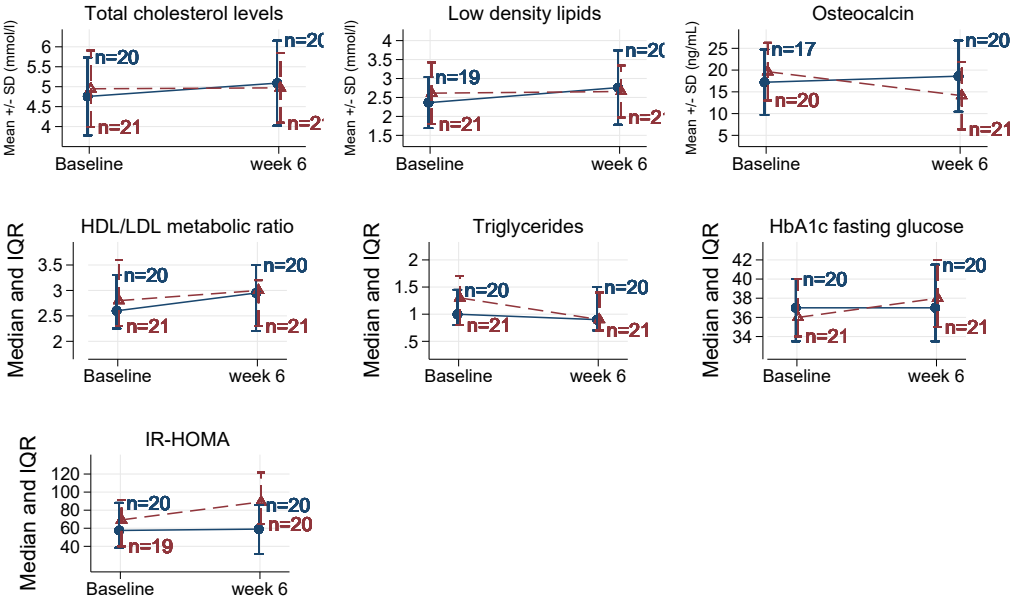Blood measures