Amount of people does not affect the result.

P(x>1600)=P(x-1540>60)=P($\frac{x-1540}{640}>\frac{3}{32}$)=1-F(3/32), where F(3/32)- is from the table of stand. Normal distribution.

1-F(3/32)=1-0.5359=0.4641