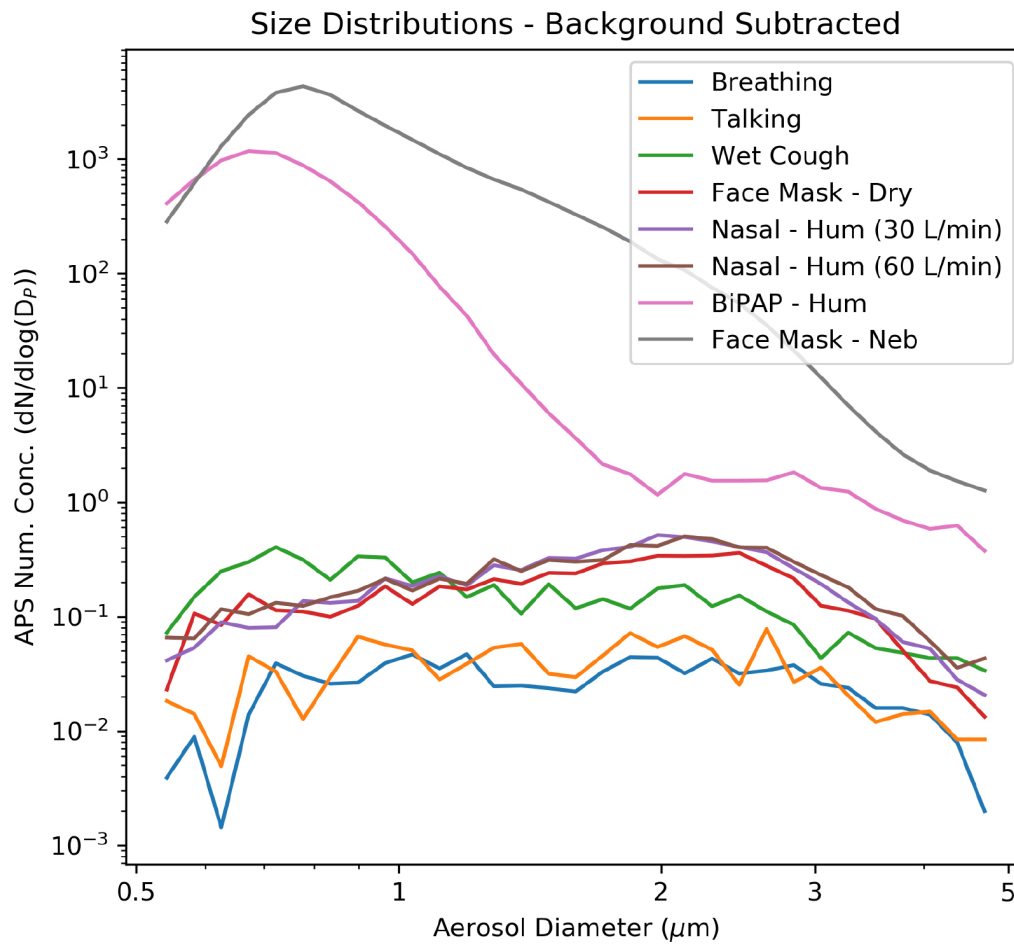


Figure 3. Aerosol size distributions from respiratory interventions*



APS = Aerodynamic Particle Sizer spectrometer; BiPAP = bilevel non-invasive positive-pressure; conc = concentrations; hum = humidified; neb = nebulised. * APS (TSI APS 3220) data only. Background concentrations subtracted from results. Hood open, no fan. For the logarithmic y-axis, number concentrations $^{-3}$ = aerosol number per cm^3 . As for Figure 2 but showing the aerosol size distributions, in log scale, from 0.5 μm to 5 μm . The upper limit (5 μm) was restricted to aerosol sizes where a measurable change was observed above background; that is, very few aerosols greater than 5 μm were generated by any respiratory intervention. Note that size distributions represent the mean of the experiment period, with the mean of the immediately preceding background subtracted in each size bin.