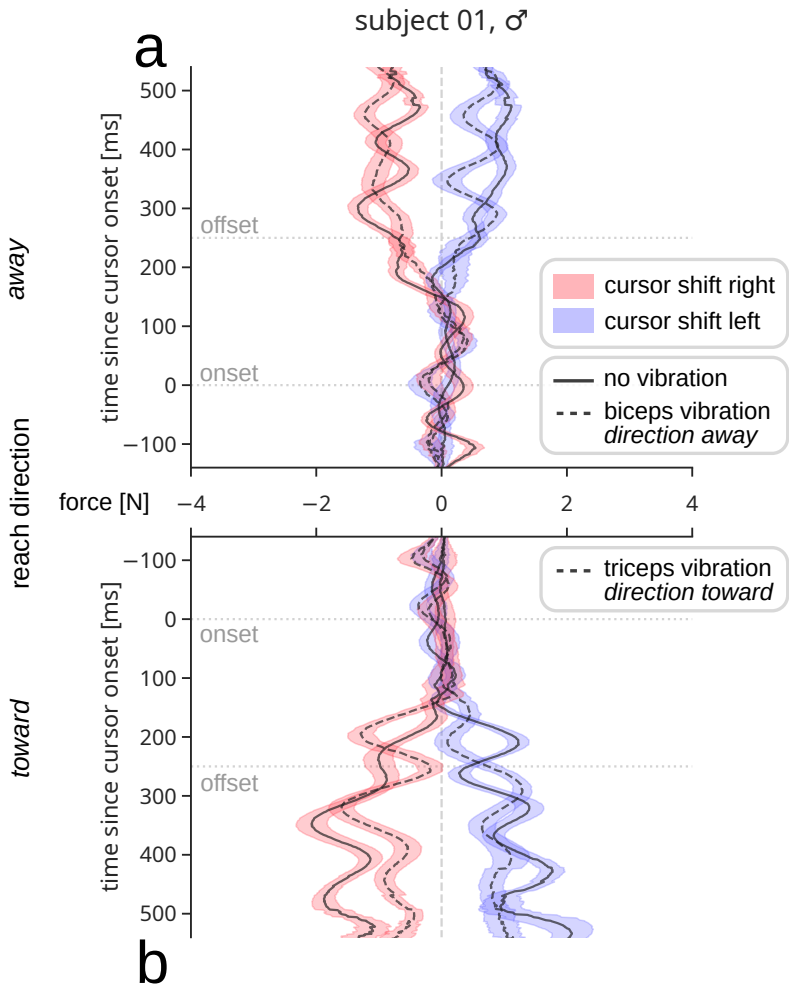


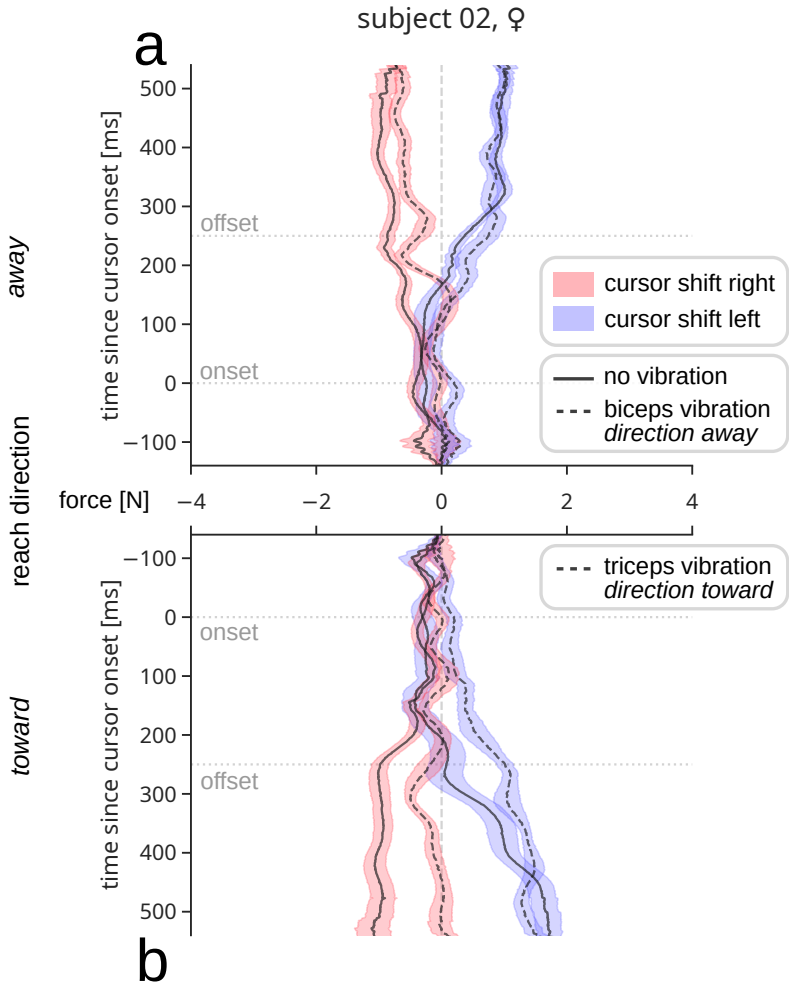
## Supplementary figures S1

Single subject plots of effect of cursor left/right shifts,  
with and without vibration

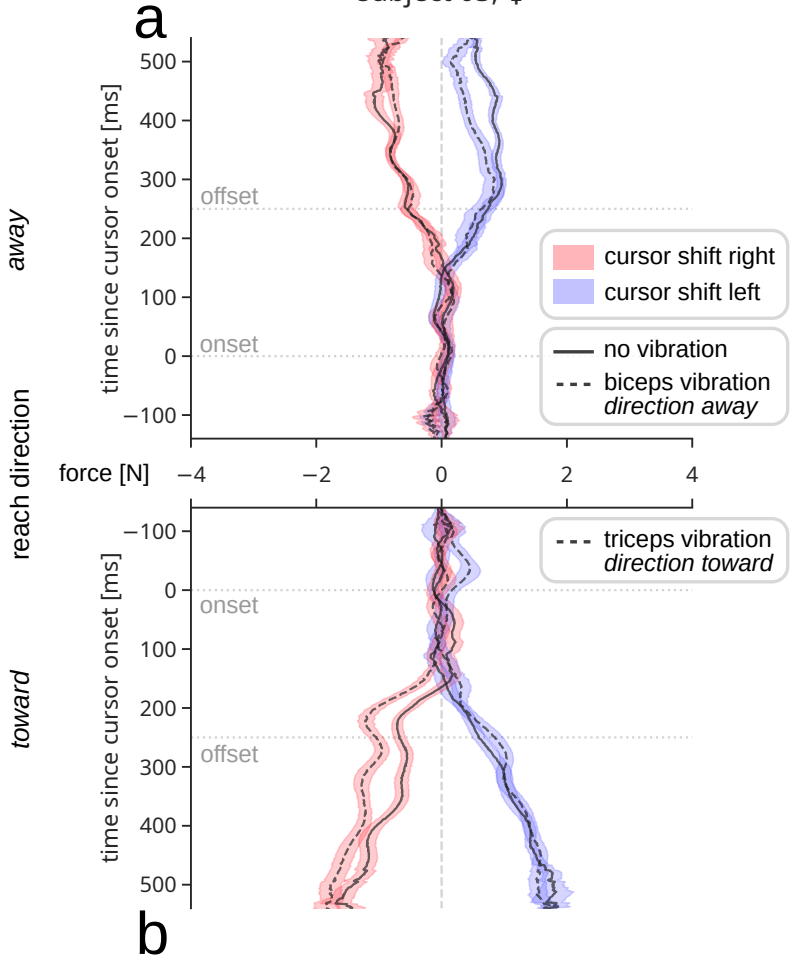
The following plots show single-subject effects, similar to the group-level data in Figure 4 **a,c** in the main text. Each plot shows the data of a single individual subject. The title of each plot shows the subject's number (01-22) and sex as ♂ (male) or ♀ (female). All plots share the following caption:

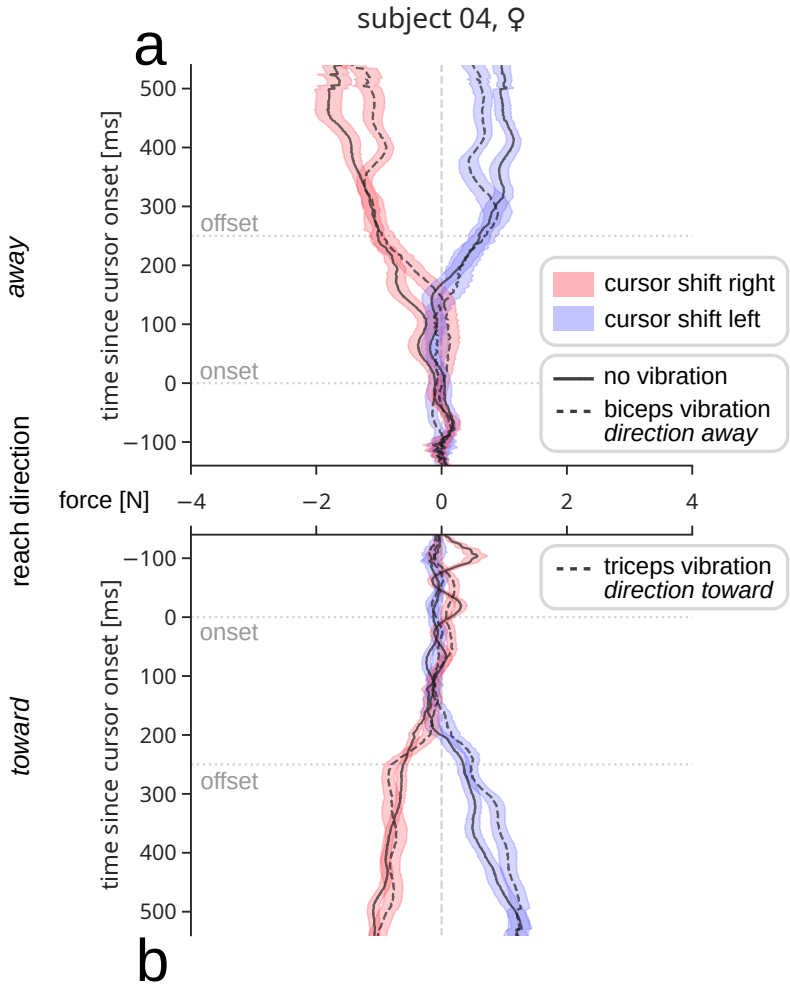
Effect of cursor left/right shifts, with and without vibration. Horizontal lines denote the perturbation onsets and offsets. **a,b**: Mean evoked forces over time. The shaded area denotes  $\pm 1$  SE across trials. For each condition, mean and SE are based on  $n = 16-20$  trials. Solid lines indicate means of trials with cursor shifts and without vibration, relative to the mean without cursor shift and without vibration. Dashed lines indicate means of trials with cursor shifts and with vibration, relative to the mean without cursor shift and the same vibration. Negative and positive values on the x-axis indicate counter-clockwise and clockwise forces into the channel walls, respectively. **a**: Reaches away from the body. **b**: Reaches toward the body.

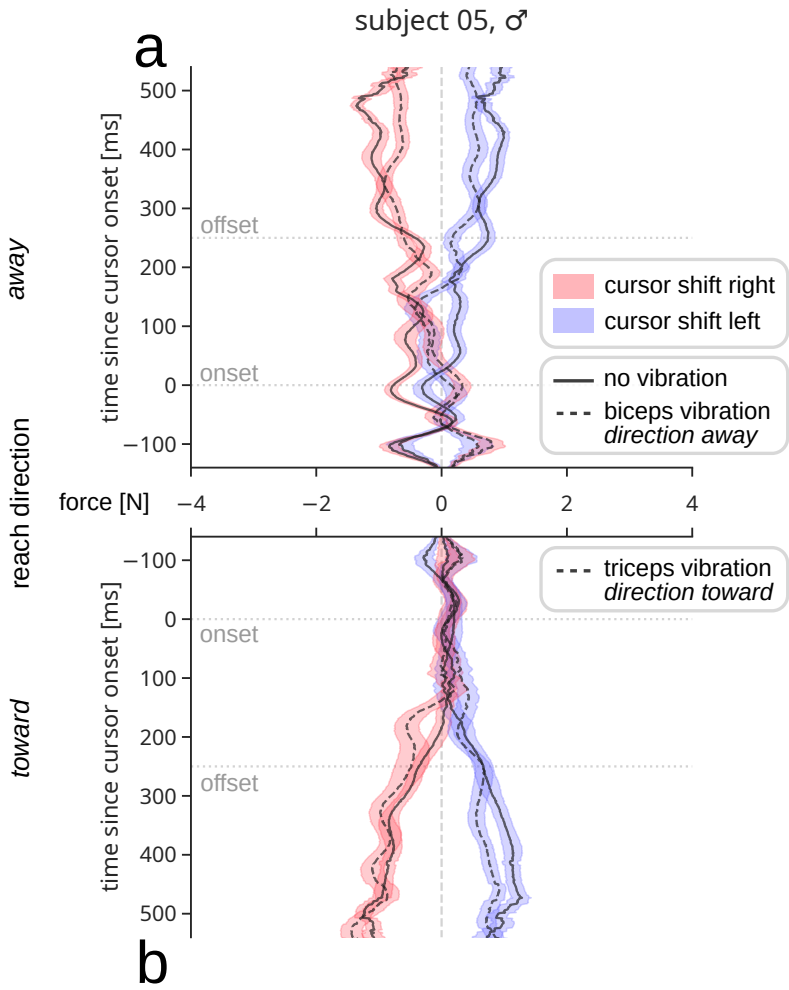




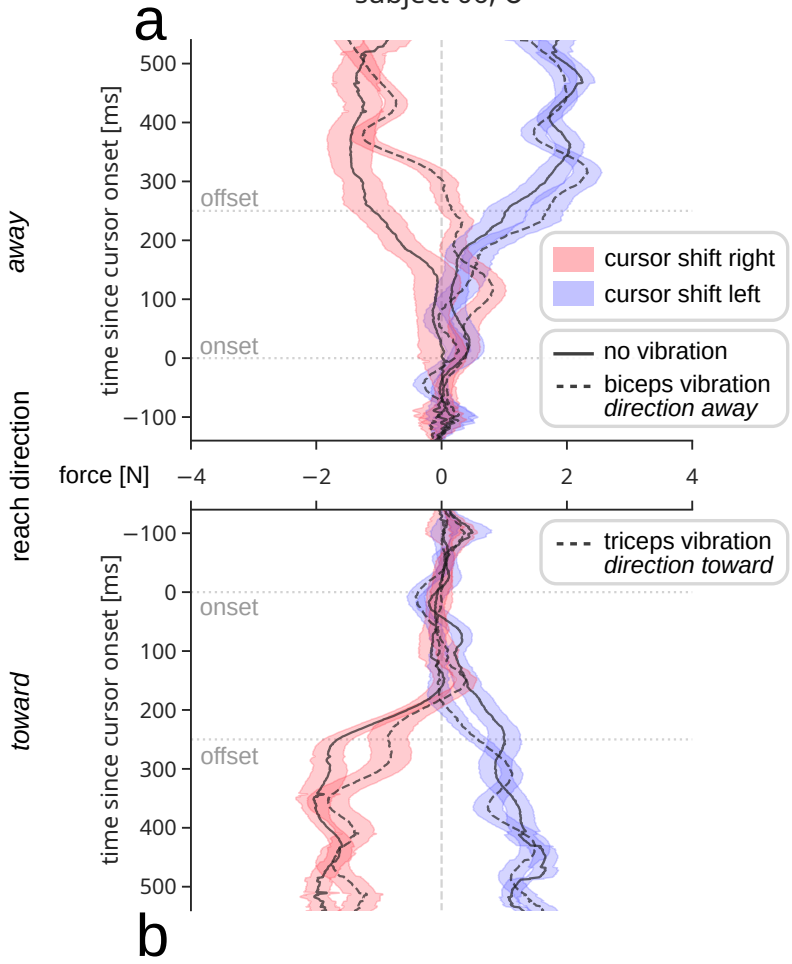
subject 03, ♀

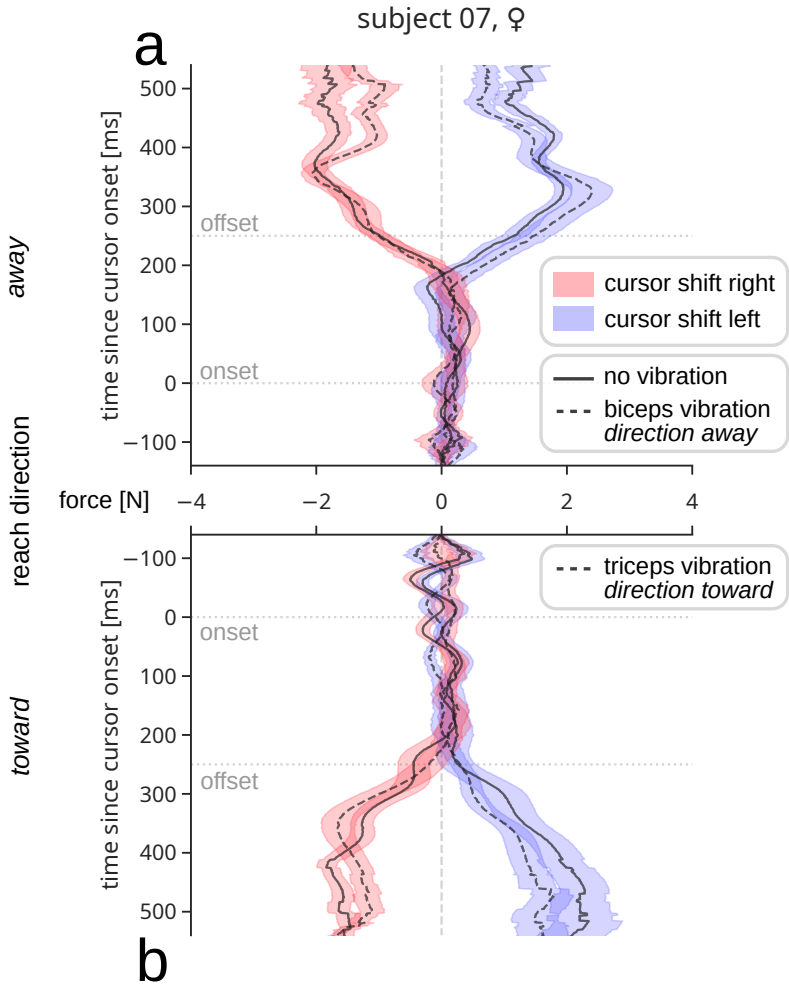






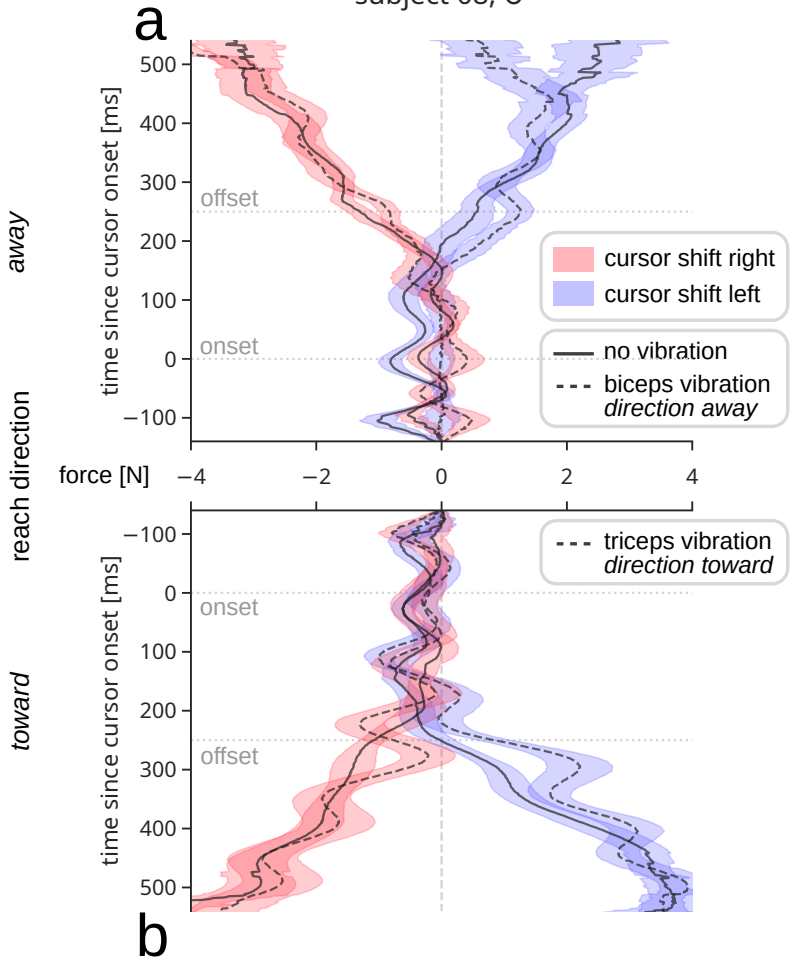
subject 06, ♂



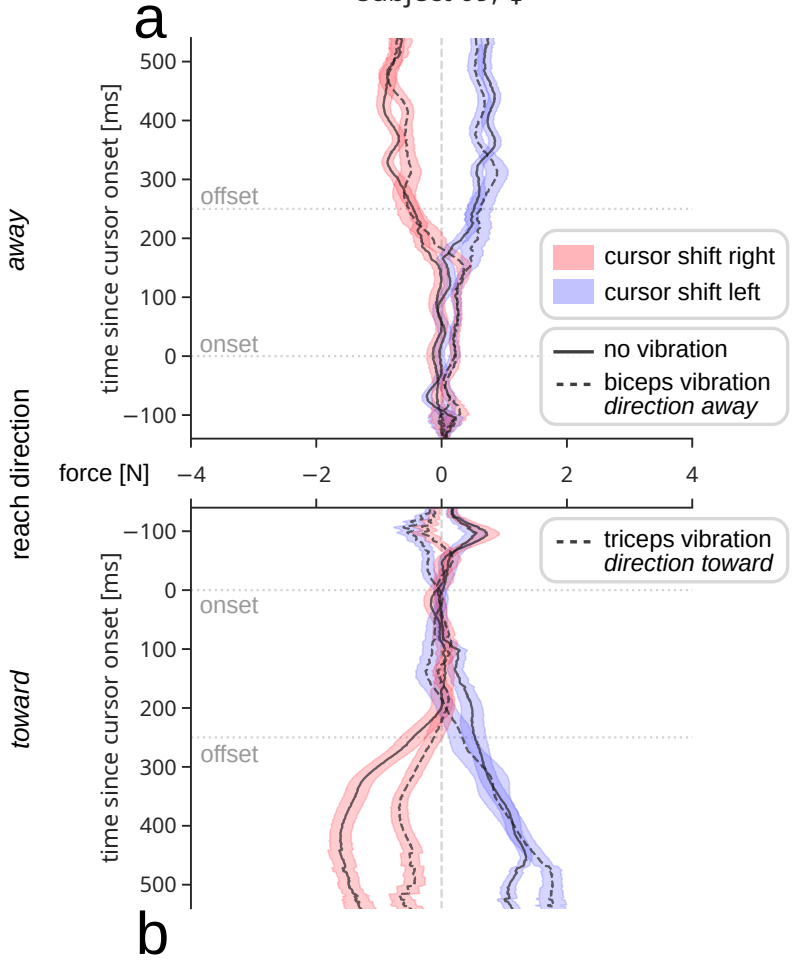


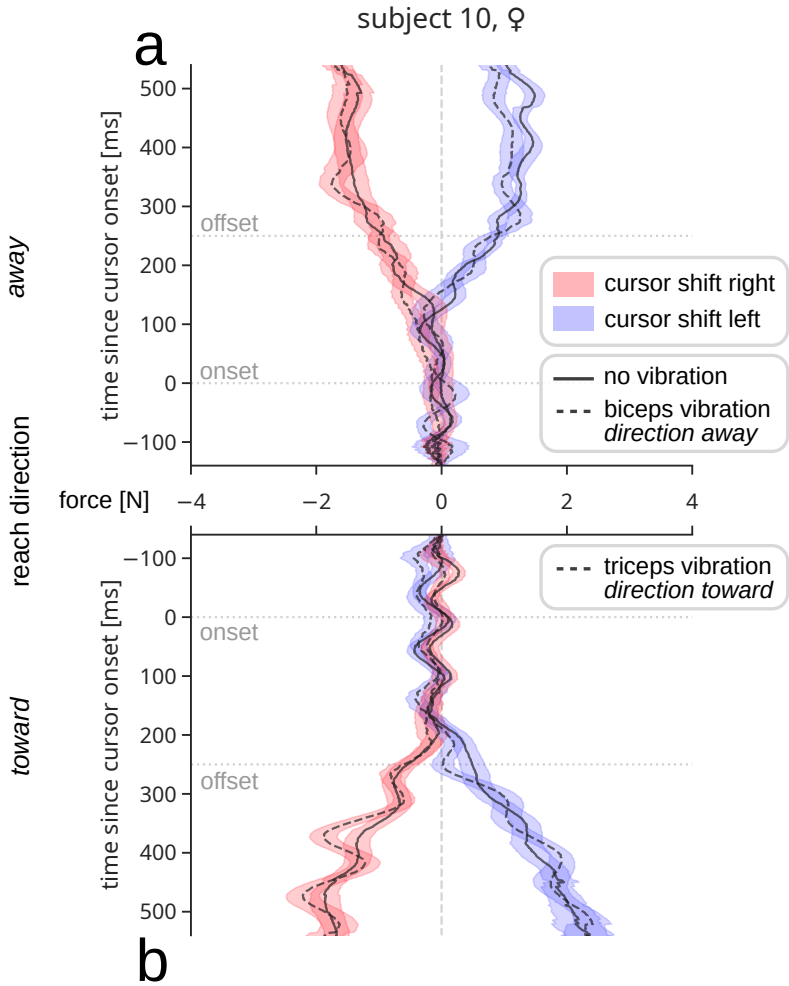


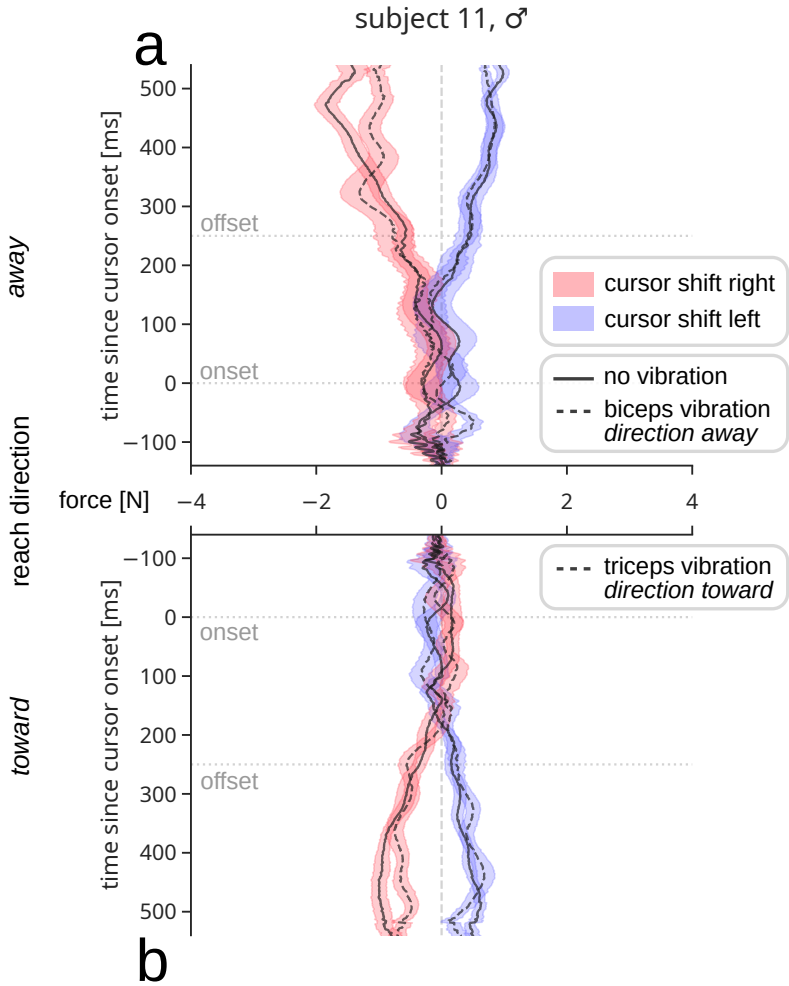
subject 08, ♂

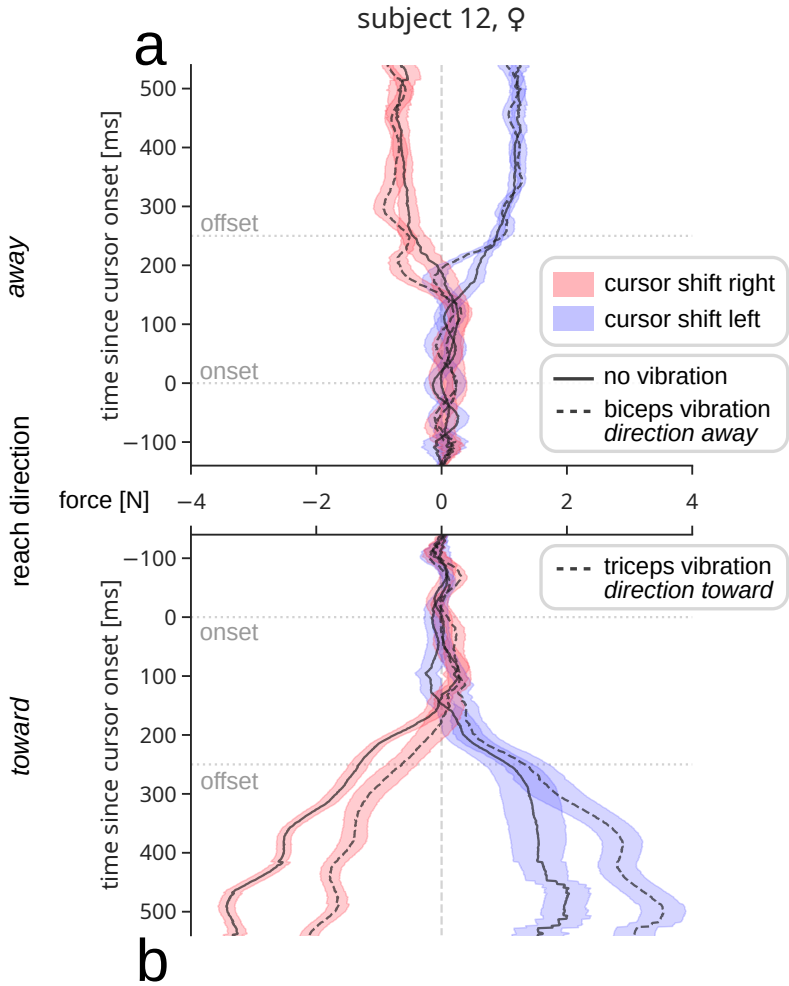


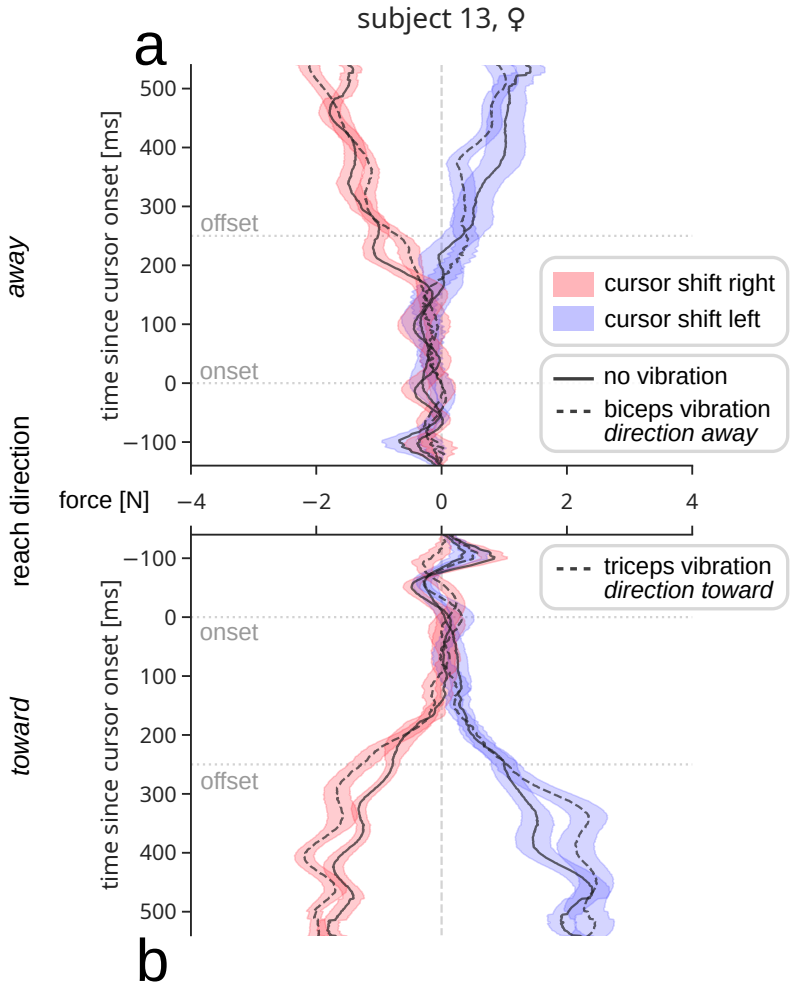
subject 09, ♀

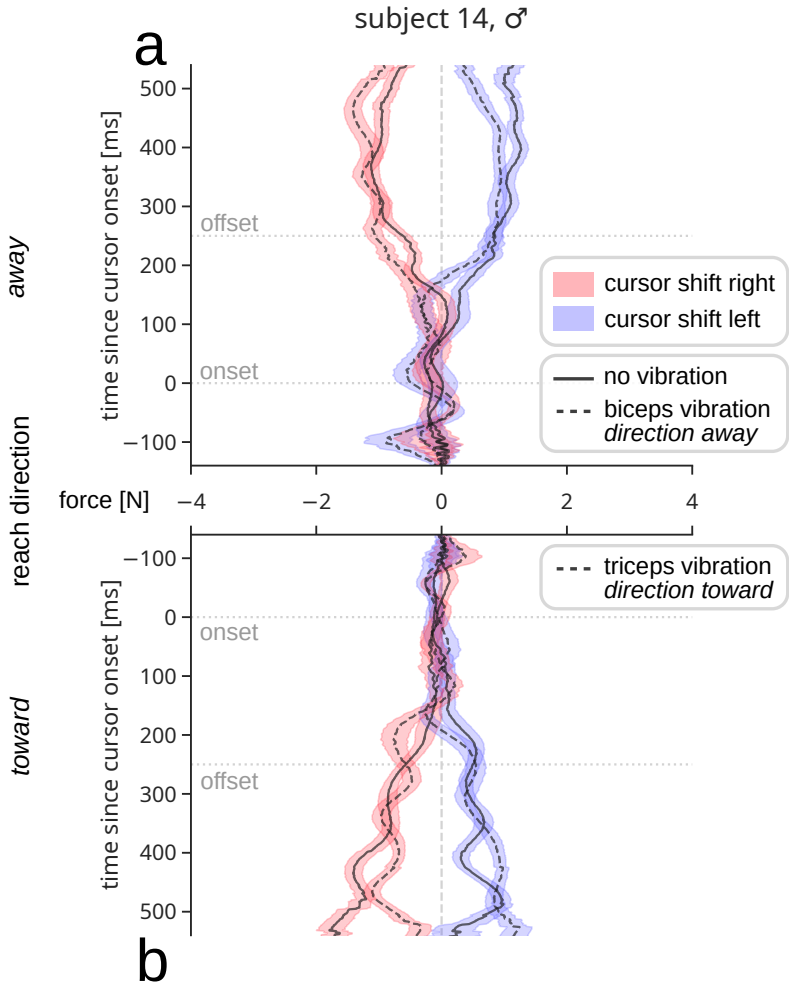




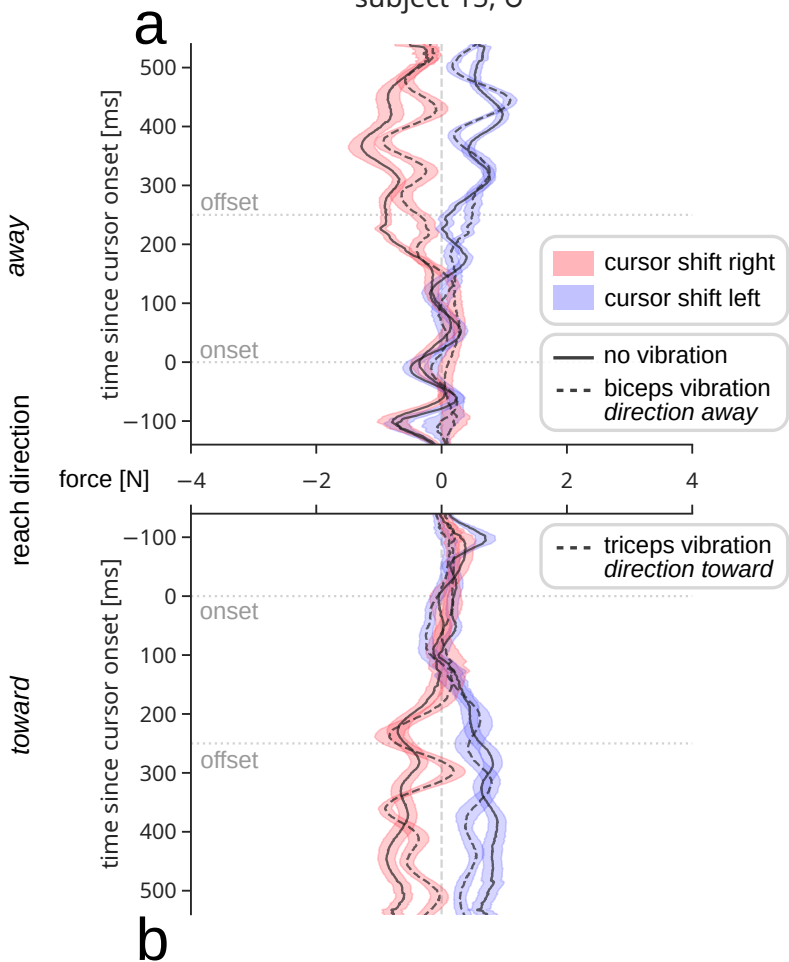




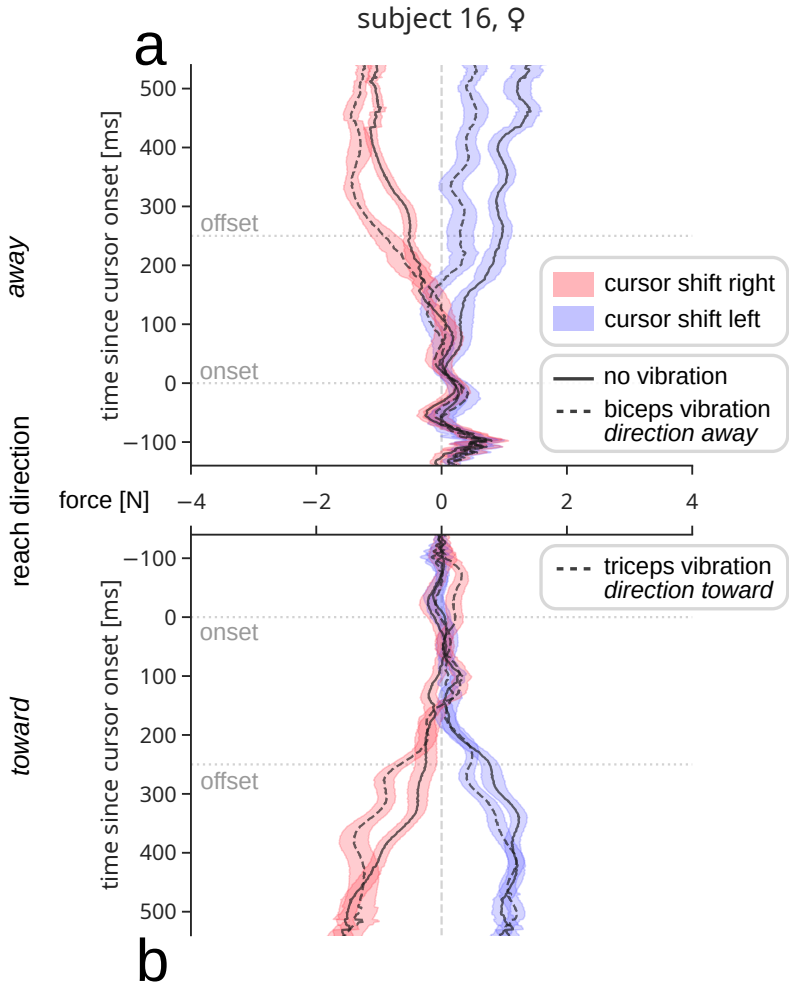


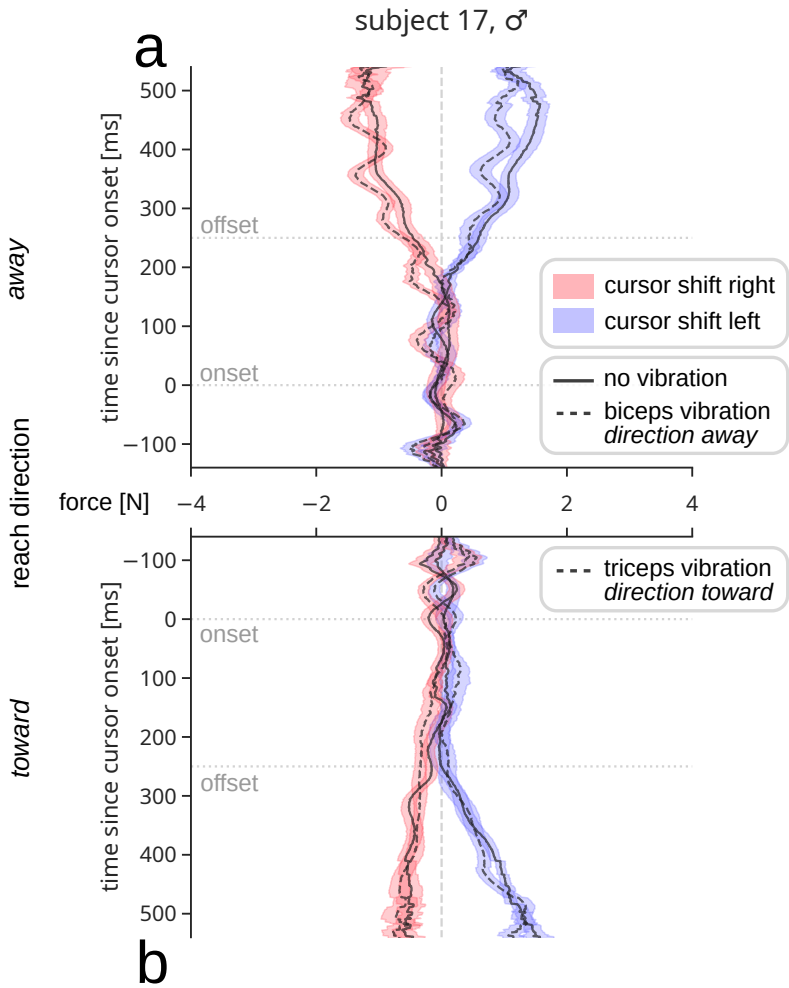


subject 15, ♂

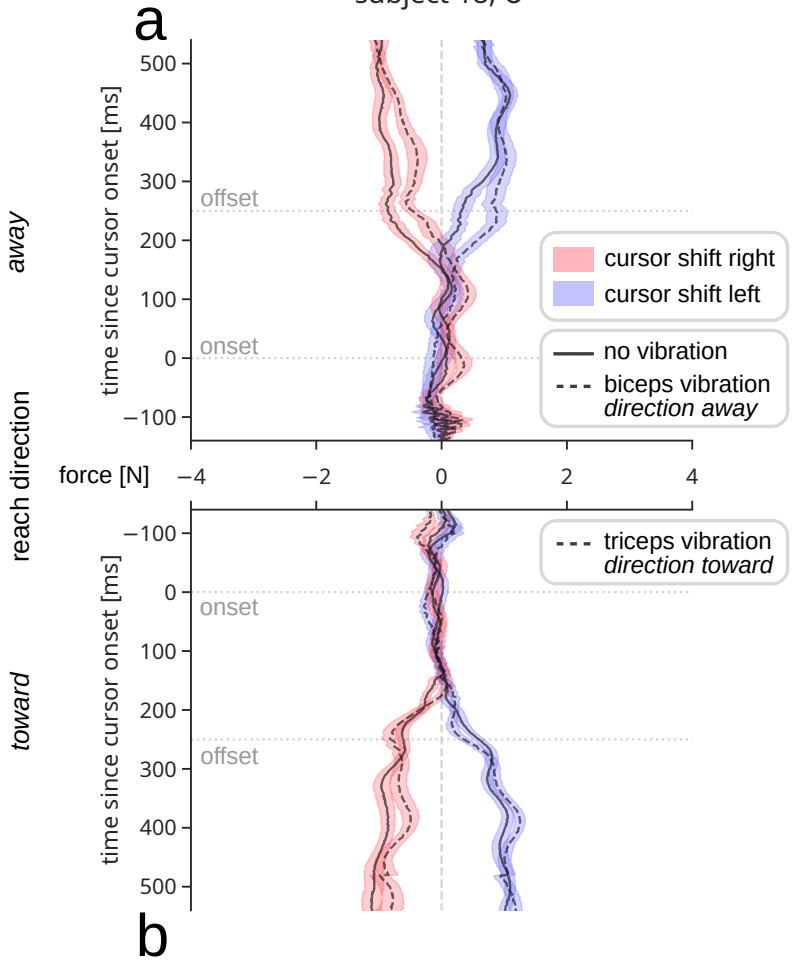


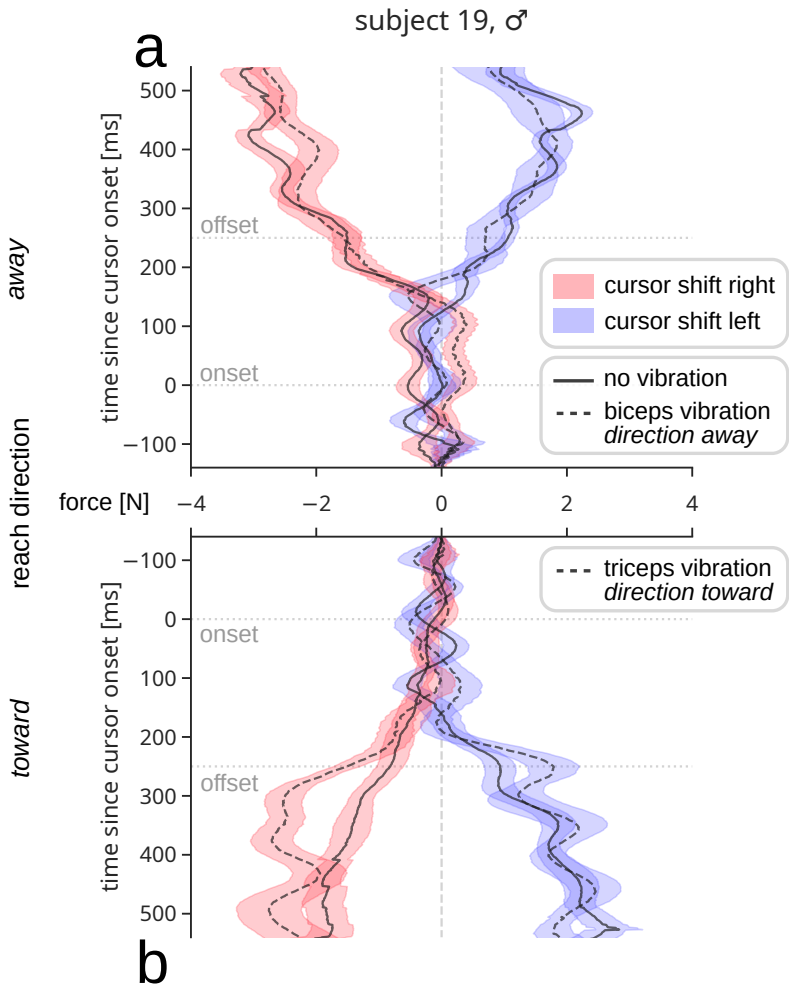


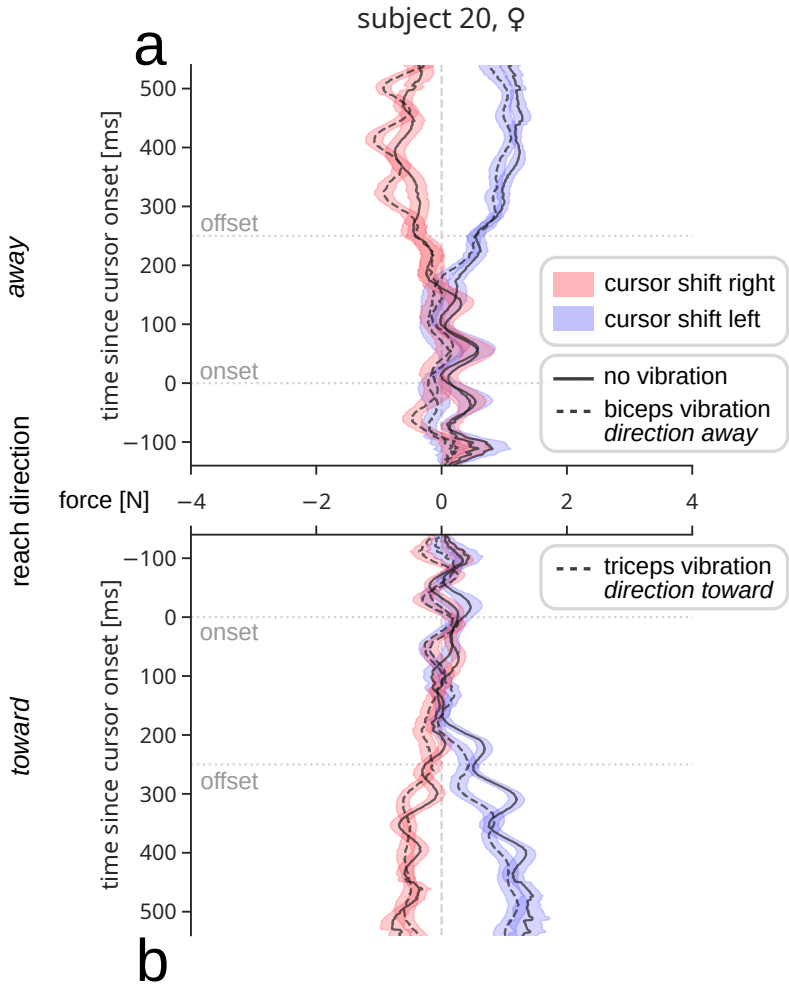


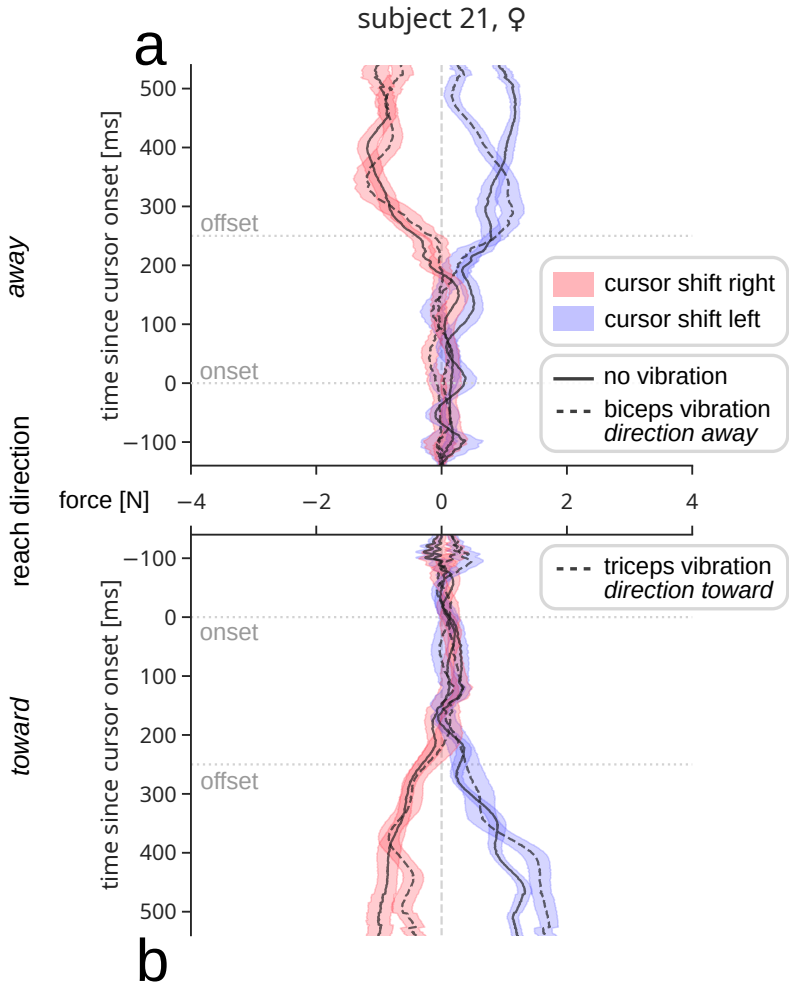


subject 18, ♂









subject 22, ♀

