In all models, $P_{S_2}(w|s,\hat{\phi}) \propto \exp(\lambda_{S_2} \cdot \mathbb{E}[U_{total}(w;s;\hat{\phi})])$ **where** $U_{total}(w;s;\hat{\phi})$**:**

Full model	$\phi_{inf} \cdot U_{inf}(w;s) + \phi_{soc} \cdot U_{soc}(w;s) + \phi_{pres} \cdot U_{pres}(w;s) - C(w)$
Inf & Pres	$\phi_{inf} \cdot U_{inf}(w;s) + \phi_{pres} \cdot U_{pres}(w;s) - C(w)$
Inf & Soc	$\phi_{inf} \cdot U_{inf}(w;s) + \phi_{soc} \cdot U_{soc}(w;s) - C(w)$
Soc & Pres	$\phi_{soc} \cdot U_{soc}(w;s) + \phi_{pres} \cdot U_{pres}(w;s) - C(w)$
Inf only	$\phi_{inf} \cdot U_{inf}(w;s) - C(w)$
Soc only	$\phi_{soc} \cdot U_{soc}(w;s) - C(w)$
Pres only	$\phi_{pres} \cdot U_{pres}(w;s) - C(w)$