**Cold Study Publication:** Doyle, W. J., Gentile, D. A., & Cohen, S. (2006). Emotional style, nasal cytokines and illness expression after experimental rhinovirus exposure. *Brain, Behavior and Immunity, 20*, 175-181.

**Data Set:** PCS2

| Study Variable | Data Set Variable(s) |
|---|---|
| Selection criterion (infected only) | post.infected |
| Independent Variables | |
| Positive emotional style (PES) | mean(tas.posaf.1, tas.posaf.2, tas.posaf.3) |
| Post-challenge IL-1β | mean(q1.il1b_nas_adj, q2.il1b_nas_adj, q3.il1b_nas_adj, q4.il1b_nas_adj, q5.il1b_nas_adj) |
| Post-challenge IL-6 | mean(q1.il6_nas_adj, q2.il6_nas_adj, q3.il6_nas_adj, q4.il6_nas_adj, q5.il6_nas_adj) |
| Post-challenge IL-8 | mean(q1.il8_nas_adj, q2.il8_nas_adj, q3.il8_nas_adj, q4.il8_nas_adj, q5.il8_nas_adj) |
| Dependent Variables | |
| Nasal symptoms | For Day 0 and all 5 post-challenge days:<br>qX.nasalscr_adj = mean(qX.nascon_adj, qX.runno_adj, qX.sneez_adj)*3.<br><br>post.nasalscr_adj = sum.5(q1.nasalscr_adj to q5.nasalscr_adj) |
| Throat symptoms | For Day 0 and all 5 post-challenge days:<br>qX.throatscr_adj = qX.srthr_adj.<br><br>post.throatscr_adj = sum.5(q1.throatscr_adj to q5.throatscr_adj) |
| Systemic cold symptoms | For Day 0 and all 5 post-challenge days:<br>qX.systscr_adj = mean(qX.hdach_adj, qX.malais_adj, qX.chill_adj, qX.cough_adj)*4.<br><br>post.systscr_adj = sum.5(q1.systscr_adj to q5.systscr_adj) |
| General illness symptoms | For Day 0 and all 5 post-challenge days:<br>qX.genscr_adj = mean(qX.dizzy_adj, qX.bckach_adj, qX.faint_adj, qX.hands_adj)*4.<br><br>post.genscr_adj = sum.5(q1.genscr_adj to q5.genscr_adj) |
| Total adjusted symptom score | post.jacksn_scr_tot† |
| Total secretion weight | post.mucwt_tot† |
| Clearance score | post.nasclr_avg† |
| Standard Covariates | |
| Pre-challenge antibody titer (dichotomized) | pre_ab: if > 4, covariate = 1; if ≤ 4, covariate = 0 |
| Age (tertiled) | age: if ≥18 and ≤21, covariate = 1; if ≥22 and ≤32, covariate = 2; if ≥33, covariate = 3 |
| Body mass index | bodymass† |
| Race [white, other] | race.white |
| Virus type | pcs2.virus |
| Month of exposure | march, may, july, sept |
| Education (tertiled) | educ.9level :<br>if ≥ 1 and ≤ 3, covariate = 1; if ≥4 and <6, covariate = 2; if ≥6, covariate = 3. |

†Subjected to $\log_{10}$-transformation prior to analysis. To accommodate variables with 0 values, +1 was added to each variable (excluding *bodymass*) prior to $\log_{10}$-transformation.