

## Variables in Exp\_1\_control

<b>Physician</b>	A physician identifier
<b>Cue</b>	An identifier of the specific cue evaluated (2-36) <ul style="list-style-type: none"> <li>• 2-10 and 36: chest pain cues</li> <li>• 11-21: fatigue cues</li> <li>• 22-31: dyspnea cues</li> <li>• 32-34: decoy cues</li> <li>• 35: Miscellaneous cue (not seen in the experimental group and not included in any analyses)</li> </ul>
<b>Cue_Rating_Diagnosis1</b>	Rating of cue in relation to Diagnosis 1 <ul style="list-style-type: none"> <li>• Chest Pain: musculoskeletal</li> <li>• Dyspnea: COPD</li> <li>• Fatigue: depression</li> </ul>
<b>Cue_Rating_Diagnosis2</b>	Rating of cue in relation to Diagnosis 2 <ul style="list-style-type: none"> <li>• Chest Pain: angina</li> <li>• Dyspnea: left ventricular failure</li> <li>• Fatigue: diabetes</li> </ul>
<b>Physician_or_Resident</b>	1 = physician 2 = resident
<b>Years_of_Experience</b>	Length of time in family practice
<b>Age</b>	Years of age
<b>Gender</b>	1 = male 2 = female

## Variables in Exp\_1\_long\_form

<b>Physician</b>	A physician identifier.
<b>Scenario</b>	1 = chest pain 2 = dyspnea 3 = fatigue
<b>Prior_Belief</b>	A physician's most recent estimate of diagnostic likelihood.  This is always empty for the first cue in a scenario (cue 1: the diagnostic "steer"). The first estimate of diagnostic likelihood is given after the steer, therefore a physician would have no prior belief upon seeing the steer.
<b>Abs_Prior_Belief</b>	Absolute value of a physician's most recent estimate of diagnostic likelihood.  To explore the extent to which prior belief in a diagnosis predicted the magnitude of bolstering and/or denigration on the next cue, we regressed 1) bolstering and 2) denigration on Abs_Prior_Belief (2 multilevel models).
<b>Cue</b>	An identifier of the specific cue evaluated (1-36) <ul style="list-style-type: none"> <li>• 1 = diagnostic "steer"</li> <li>• 2-10 and 36: chest pain cues</li> <li>• 11-21: fatigue cues</li> <li>• 22-31: dyspnea cues</li> <li>• 32-34: decoy cues</li> <li>• 35: Miscellaneous cue (not seen in the experimental group and not included in any analyses).</li> </ul>
<b>Cue_Rating_Diagnosis1</b>	Rating of cue in relation to Diagnosis 1 <ul style="list-style-type: none"> <li>• Chest Pain: musculoskeletal</li> <li>• Dyspnea: COPD</li> <li>• Fatigue: depression</li> </ul>
<b>Control_Cue_Rating_Diagnosis1</b>	The mean rating that the control group provided for a cue in relation to Diagnosis 1
<b>Cue_Rating_Diagnosis2</b>	Rating of cue in relation to Diagnosis 2 <ul style="list-style-type: none"> <li>• Chest Pain: angina</li> <li>• Dyspnea: left ventricular failure</li> <li>• Fatigue: diabetes</li> </ul>
<b>Control_Cue_Rating_Diagnosis2</b>	The mean rating that the control group provided for a cue in relation to Diagnosis 2
<b>Bolstering</b>	The difference between 1) a physician's rating of a cue in relation to his leading diagnosis and 2) the mean rating that the control group provided for the same cue in relation to the same diagnosis. This difference was signed positive if it strengthened the leading diagnosis.
<b>Denigration</b>	The difference between 1) a physician's rating of a cue in relation to his trailing diagnosis and 2) the mean rating that the control group provided for the same cue in relation to the same diagnosis. This difference was signed positive if it weakened the trailing diagnosis.
<b>Belief_After_Cue</b>	A physician's update of diagnostic likelihood, after evaluating a cue.
<b>Physician_or_Resident</b>	1 = physician 2 = resident
<b>Years_of_Experience</b>	Length of time in family practice
<b>Age</b>	Years of age
<b>Gender</b>	1 = male 2 = female

## Variables in Exp\_1\_short\_form

<b>Physician</b>	A physician identifier.
<b>Bolstering</b>	Each physician's mean bolstering score (averaged across cues and scenarios).
<b>Bolstering_Neutral_Cues</b>	Each physician's mean bolstering score, limited to "neutral" cues.  (Each scenario comprised 4-5 "neutral" cues, which provided roughly equal support for the two competing diagnoses.)
<b>Bolstering_Conflicting_Cues</b>	Each physician's mean bolstering score, limited to "conflicting" cues.  (At the end of scenario 3, each physician saw 3 cues that conflicted with the diagnostic steer.)
<b>Denigration</b>	Each physician's mean denigration score (averaged across cues and scenarios).
<b>Denigration_Neutral_Cues</b>	Each physician's mean denigration score, limited to "neutral" cues.
<b>Denigration_Conflicting_Cues</b>	Each physician's mean denigration score, limited to "conflicting" cues.
<b>Bolstering_Minus_Denigration_CP_Neutral</b>	Each physician's mean bolstering score for the chest pain scenario (neutral cues only) minus his mean denigration score for the chest pain scenario (neutral cues only).
<b>Bolstering_Minus_Denigration_DYSP_Neutral</b>	Each physician's mean bolstering score for the dyspnea scenario (neutral cues only) minus his mean denigration score for the dyspnea scenario (neutral cues only).
<b>Bolstering_Minus_Denigration_FAT_Neutral</b>	Each physician's mean bolstering score for the fatigue scenario (neutral cues only) minus his mean denigration score for the fatigue scenario (neutral cues only).
<b>Distortion_Type</b>	1 = a physician who displayed significantly more bolstering than denigration 2 = a physician who displayed significantly more denigration than bolstering blank = a physician who did not display significantly different amounts of bolstering and denigration.
<b>Physician_or_Resident</b>	1 = physician 2 = resident
<b>Years_of_Experience</b>	Length of time in family practice
<b>Age</b>	Years of age
<b>Gender</b>	1 = male 2 = female

## Variables in Exp\_2\_long\_form

<b>Physician</b>	A physician identifier.
<b>Scenario</b>	1 = chest pain 2 = dyspnea 3 = fatigue
<b>Prior_Belief</b>	A physician's most recent estimate of diagnostic likelihood.  This is always empty for the first cue in a scenario (the diagnostic "steer"). The first estimate of diagnostic likelihood is given after the steer, therefore a physician would have no prior belief upon seeing the steer.
<b>Abs_Prior_Belief</b>	Absolute value of a physician's most recent estimate of diagnostic likelihood.
<b>Cue</b>	An identifier of the specific cue evaluated in the Experimental condition.  The first cue for every scenario refers to the "steer", which is why the corresponding cells for "Prior_Belief" are blank, as are the cells for cue evaluation. Having seen the steer, participants simply provided an estimate of diagnostic likelihood ("Belief_After_Cue")  Each participant saw cues under both conditions. All cues seen in the Experimental condition were also seen in the Control condition. However, the Control condition contained more cues than the Experimental condition: it contained all of the neutral and all of the diagnostic cues ("steer" and "conflicting") for all 3 scenarios. Therefore, each participant saw some cues in the Control condition that he did not see in the Experimental condition. When a participant saw a cue under both conditions, these are matched in the dataset, i.e., they appear on the same line.
<b>Cue_Rating_Diagnosis1_Experimental</b>	Rating of cue in relation to Diagnosis 1 in the Experimental condition <ul style="list-style-type: none"> <li>• Chest Pain: musculoskeletal</li> <li>• Dyspnea: COPD</li> <li>• Fatigue: depression</li> </ul>
<b>Cue_Rating_Diagnosis2_Experimental</b>	Rating of cue in relation to Diagnosis 2 in the Experimental condition <ul style="list-style-type: none"> <li>• Chest Pain: angina</li> <li>• Dyspnea: left ventricular failure</li> <li>• Fatigue: diabetes</li> </ul>
<b>Mean_Control_Cue_Rating_Diagnosis1</b>	The mean rating that physicians provided for a cue in relation to Diagnosis 1, under Control conditions.
<b>Mean_Control_Cue_Rating_Diagnosis2</b>	The mean rating that physicians provided for a cue in relation to Diagnosis 2, under Control conditions.
<b>Personal_Control_Cue_Rating_Diagnosis1</b>	A physician's rating of a cue in relation to Diagnosis 1, provided under Control conditions.
<b>Personal_Control_Cue_Rating_Diagnosis2</b>	A physician's rating of a cue in relation to Diagnosis 2, provided under Control conditions.
<b>Mean_Based_Bolstering</b>	The difference between 1) a physician's rating of a cue in relation to his leading diagnosis and 2) the mean rating that physicians provided for the same cue in relation to the same diagnosis, under control conditions. This difference was signed positive if it strengthened the leading diagnosis.

<b>Mean_Based_Denigration</b>	The difference between 1) a physician's rating of a cue in relation to his trailing diagnosis and 2) the mean rating that physicians provided for the same cue in relation to the same diagnosis, under control conditions. This difference was signed positive if it weakened the trailing diagnosis.
<b>Personalized_Bolstering</b>	The difference between 1) a physician's rating of a cue in relation to his leading diagnosis and 2) the physician's rating of the same cue in relation to the same diagnosis, under control conditions. This difference was signed positive if it strengthened the leading diagnosis.
<b>Personalized_Denigration</b>	The difference between 1) a physician's rating of a cue in relation to his trailing diagnosis and 2) the physician's rating of the same cue in relation to the same diagnosis, under control conditions. This difference was signed positive if it weakened the trailing diagnosis.
<b>Belief_After_Cue</b>	A physician's update of diagnostic likelihood, after evaluating a cue.
<b>Physician_or_Resident</b>	1 = physician 2 = resident
<b>Years_of_Experience</b>	Length of time in family practice
<b>Age</b>	Years of age
<b>Gender</b>	1 = male 2 = female

## Variables in Exp\_2\_short\_form

<b>Physician</b>	A physician identifier.
<b>Abs_Belief_After_Steer</b>	A physician's first estimate of diagnostic likelihood (immediately after seeing the steer), averaged across the 3 scenarios, unsigned.  We investigated whether this mean initial "confidence" might correlate with Personal Fear of Invalidity.
<b>Mean_Based_Bolstering</b>	Each physician's mean bolstering score (calculated using the "mean-based" method).
<b>Mean_Based_Bolstering_Neutral_Cues</b>	Each physician's mean bolstering score (calculated using the "mean-based" method), limited to "neutral" cues.
<b>Mean_Based_Bolstering_Conflicting_Cues</b>	Each physician's mean bolstering score (calculated using the "mean-based" method), limited to "conflicting" cues.
<b>Mean_Based_Denigration</b>	Each physician's mean denigration score (calculated using the "mean-based" method).
<b>Mean_Based_Denigration_Neutral_Cues</b>	Each physician's mean denigration score (calculated using the "mean-based" method), limited to "neutral" cues.
<b>Mean_Based_Denigration_Conflicting_Cues</b>	Each physician's mean denigration score (calculated using the "mean-based" method), limited to "conflicting" cues.
<b>Mean_Based_Bolstering_Minus_Denigration_CP_Neutral</b>	Each physician's mean bolstering for the chest pain scenario (neutral cues only) minus his mean denigration for the chest pain scenario (neutral cues only), calculated using the "mean-based" method.
<b>Mean_Based_Bolstering_Minus_Denigration_DYSP_Neutral</b>	Each physician's mean bolstering for the dyspnea scenario (neutral cues only) minus his mean denigration for the dyspnea scenario (neutral cues only), calculated using the "mean-based" method.
<b>Mean_Based_Bolstering_Minus_Denigration_FAT_Neutral</b>	Each physician's mean bolstering for the fatigue scenario (neutral cues only) minus his mean denigration for the fatigue scenario (neutral cues only), calculated using the "mean-based" method.
<b>Mean_Based_Distortion_Type</b>	1 = a physician who displayed significantly more bolstering than denigration (calculated using the "mean-based" method) 2 = a physician who displayed significantly more denigration than bolstering (calculated using the "mean-based" method) blank = a physician who did not display significantly different amounts of bolstering and denigration (calculated using the "mean-based" method).
<b>Personalized_Bolstering</b>	Each physician's mean bolstering score (calculated using the "personalized" method).
<b>Personalized_Bolstering_Neutral_Cues</b>	Each physician's mean bolstering score (calculated using the "personalized" method), limited to "neutral" cues.
<b>Personalized_Bolstering_Conflicting_Cues</b>	Each physician's mean bolstering score (calculated using the "personalized" method), limited to "conflicting" cues.
<b>Personalized_Denigration</b>	Each physician's mean denigration score (calculated using the "personalized" method).
<b>Personalized_Denigration_Neutral_Cues</b>	Each physician's mean denigration score (calculated using the "personalized" method), limited to "neutral" cues.
<b>Personalized_Denigration_Conflicting_Cues</b>	Each physician's mean denigration score (calculated using the "personalized" method), limited to "conflicting" cues.
<b>Personalized_Bolstering_Minus_Denigration</b>	Each physician's mean bolstering for the chest pain

<b>_CP_Neutral</b>	scenario (neutral cues only) minus his mean denigration for the chest pain scenario (neutral cues only), calculated using the “personalized” method.
<b>Personalized_Bolstering_Minus_Denigration_DYSP_Neutral</b>	Each physician’s mean bolstering for the dyspnea scenario (neutral cues only) minus his mean denigration for the dyspnea scenario (neutral cues only), calculated using the “personalized” method.
<b>Personalized_Bolstering_Minus_Denigration_FAT_Neutral</b>	Each physician’s mean bolstering for the fatigue scenario (neutral cues only) minus his mean denigration for the fatigue scenario (neutral cues only), calculated using the “personalized” method.
<b>Personalized_Distortion_Type</b>	1 = a physician who displayed significantly more bolstering than denigration (calculated using the “personalized” method) 2 = a physician who displayed significantly more denigration than bolstering (calculated using the “personalized” method) blank = a physician who did not display significantly different amounts of bolstering and denigration (calculated using the “personalized” method).
<b>Summed_PNS</b>	The sum of a physician’s responses to items on the PNS scale.
<b>Summed_PFI</b>	The sum of a physician’s responses to items on the PFI scale.
<b>Condition_Seen_First</b>	0 = experimental seen first 1 = control condition seen first  (Conditions were separated by 1 month. All participants completed the PNS and PFI measures immediately after seeing the second condition.)
<b>Physician_or_Resident</b>	1 = physician 2 = resident
<b>Years_of_Experience</b>	Length of time in family practice
<b>Age</b>	Years of age
<b>Gender</b>	1 = male 2 = female