S2 Table. Significance tests of transition distributions in PCCRI corpus. P values comparing the transition distributions of $3^{\rm rd}$ -order CODYMs for the 117 PCCRI conversations analyzed, stratified by patient and clinician (shown in S4 Fig and S5 Fig), of observed patient vs. observed clinician (using Mann Whitney U tests), and of observed patient vs. null patient models and observed clinician vs. null clinician models (by comparing to empirically derived probability distributions, as described in the text).

Transition	Patient vs. Clinician	Patient vs. Null	Clinician vs. Null
$\overline{{\sf SSS}^{S}_{\to}{\sf SSS}}$	0.234	< 0.001	0.199
$\overline{SSS}^{L}_{ ightarrow SSL}$	< 0.001	0.002	< 0.001
$\overline{LSS^{S}_{ o}SSS}$	< 0.001	0.017	< 0.001
$\overline{LSS^{L}_{ o}SSL}$	0.038	< 0.001	0.010
$\overline{SLS} \overset{S}{\to} LSS$	< 0.001	< 0.001	0.241
$\overline{SLS^{L}_{ o}LSL}$	< 0.001	< 0.001	< 0.001
$\overline{LLS}\overset{S}{ o}LSS$	0.171	< 0.001	< 0.001
$\overline{LLS} \xrightarrow{L} LSL$	< 0.001	0.003	0.084
$\overline{SSL^S_{ o}SLS}$	< 0.001	0.404	0.023
$\overline{SSL^{L}_{ o}SLL}$	0.341	< 0.001	< 0.001
$LSL \xrightarrow{S} SLS$	< 0.001	< 0.001	< 0.001
$LSL \stackrel{L}{\rightarrow} SLL$	< 0.001	0.005	0.010
$\overline{\operatorname{SLL}^S_{ ightarrow}}$ LLS	0.474	0.428	0.133
$\overline{SLL^{L}_{ ightarrow}LLL}$	< 0.001	0.001	< 0.001
$\overline{LLL} \xrightarrow{S} LLS$	< 0.001	< 0.001	< 0.001
$LLL \xrightarrow{L} LLL$	0.464	0.173	0.011