

Table S1 | Domain–Severity Matrix

Domain	High	Medium	Low	Pure AL Coverage	Stratified Coverage	Status
Abuse Disclosure	✓ (Both)	✓ (Both)	✓ (Gap Filled)	2/3	3/3	Complete
Imminent Suicide	✓ (Both)	✓ (Both)	✓ (Both)	3/3	3/3	Complete
Nssi	✓ (Gap Filled)	✓ (Gap Filled)	✓ (Gap Filled)	0/3	3/3	Complete
Psychosis Command Hallucinations	✓ (Gap Filled)	✓ (Gap Filled)	✓ (Gap Filled)	0/3	3/3	Complete
Recent Self Harm	✓ (Both)	✓ (Both)	✓ (Both)	3/3	3/3	Complete
Substance Intoxication Risk	✓ (Both)	✓ (Both)	✓ (Gap Filled)	2/3	3/3	Complete

Table S2 | Oncology Stratification

Severity	Non-Oncology	Oncology	Total	Oncology %
High	18	13	31	41.9%
Medium	13	10	23	43.5%
Low	2	4	6	66.7%
TOTAL	33	27	60	45.0%

Table S3 | Cost Efficiency

Strategy	Vignettes	Hours	Coverage (n)	Coverage (%)	Cost per Combination	Efficiency vs Full
Pure AL	60	12	10	56%	1.20 hrs	92% saved (Incomplete)
Stratified AL	60	12	18	100%	0.67 hrs	92% saved
Augmented	80	16	18	100%	0.89 hrs	89% saved
Full Validation	720	144	18	100%	8.00 hrs	Baseline

Table S4 | Uncertainty by Domain

Domain	N	Mean Uncertainty	SD	Min	Q25	Median	Q75	Max
Abuse Disclosure	17	0.7761	0.1033	0.4591	0.7356	0.7660	0.8351	0.9336
Imminent Suicide	9	0.8230	0.0881	0.6906	0.7629	0.8054	0.8909	0.9646
Nssi	3	0.4227	0.1656	0.2693	0.3349	0.4006	0.4994	0.5982
Psychosis Command Hallucinations	3	0.3413	0.0457	0.3077	0.3153	0.3230	0.3581	0.3933
Recent Self Harm	19	0.7883	0.0686	0.5843	0.7552	0.7769	0.8411	0.8793
Substance Intoxication Risk	9	0.7241	0.1037	0.4583	0.7256	0.7483	0.7792	0.8043

Table S5 | Uncertainty by Severity

Severity	N	Mean Uncertainty	SD	Min	Q25	Median	Q75	Max
High	31	0.7622	0.0985	0.3933	0.7352	0.7593	0.7972	0.9646
Medium	23	0.7757	0.1599	0.2693	0.7750	0.8294	0.8537	0.8924
Low	6	0.4860	0.1318	0.3230	0.4150	0.4587	0.5530	0.6906

Table S6 | Language Balance

Language	N Vignettes	Percentage	Mean Uncertainty	Domains Covered	High Severity	Medium Severity	Low Severity
EN	28	46.7%	0.8099	4	18	10	0
UR	32	53.3%	0.6784	6	13	13	6

Table S7 | Correlation Matrix

Unnamed: 0	Pred Mean	Pred Std	Entropy	Uncertainty Score
Pred Mean	1.0	0.634	0.777	0.787
Pred Std	0.634	1.0	0.646	0.88
Entropy	0.777	0.646	1.0	0.931
Uncertainty Score	0.787	0.88	0.931	1.0

Table S8 | Mean Uncertainty Matrix

Unnamed: 0	High	Medium	Low
Abuse Disclosure	0.7791	0.824	0.4591
Imminent Suicide	0.8222	0.8916	0.6906
Nssi	0.5982	0.2693	0.4006
Psychosis Command Hallucinations	0.3933	0.3077	0.323
Recent Self Harm	0.7738	0.8125	0.5843
Substance Intoxication Risk	0.753	0.7878	0.4583

Table S9 | Selection Count Matrix

Unnamed: 0	High	Medium	Low
Abuse Disclosure	10	6	1
Imminent Suicide	6	2	1
Nssi	1	1	1
Psychosis Command Hallucinations	1	1	1
Recent Self Harm	6	12	1
Substance Intoxication Risk	7	1	1

Table S10 | Missing Combinations

Domain	Severity	Pure AL Count	Stratified Count	Mean Uncertainty (Stratified)	Gap Type
Abuse Disclosure	Low	0	1	0.4591	Severity Gap
Nssi	High	0	1	0.5982	Complete Domain Missing
Nssi	Medium	0	1	0.2693	Complete Domain Missing
Nssi	Low	0	1	0.4006	Complete Domain Missing
Psychosis Command Hallucinations	High	0	1	0.3933	Complete Domain Missing
Psychosis Command Hallucinations	Medium	0	1	0.3077	Complete Domain Missing
Psychosis Command Hallucinations	Low	0	1	0.3230	Complete Domain Missing
Substance Intoxication Risk	Low	0	1	0.4583	Severity Gap