

# Thirty-Day All-Cause Unplanned Readmission Following Psychiatric Hospitalization in an Inpatient Psychiatric Facility (IPF Readmission)

Validity Attachment

**November 2025**

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### Validity Attachment

**Table 6a. Differences in the mean IPF Readmission rates by beneficiary subgroups\***

Category	Value	N	Observed rate	SD	Predicted rate	SD	Expected rate	SD
Sex	Male	142,424	0.21	0.41	0.21	0.10	0.21	0.09
	Female	137,155	0.17	0.38	0.17	0.08	0.17	0.08
Alcohol/Substance Use Disorder	Alcohol/SUD Disorder	14,698	0.20	0.40	0.20	0.10	0.19	0.09
	No Alcohol/SUD Disorder	264,881	0.19	0.39	0.19	0.10	0.19	0.09
Schizophrenia Disorder	Schizophrenia Diagnosis	109,554	0.22	0.41	0.22	0.10	0.21	0.09
	No Schizophrenia Diagnosis	170,025	0.17	0.38	0.17	0.09	0.17	0.08
Mood Disorder	Mood Disorder Diagnosis	112,611	0.18	0.38	0.18	0.09	0.18	0.08
	No Mood Disorder Diagnosis	166,968	0.20	0.40	0.20	0.10	0.19	0.09
Length of Stay	1st Quartile (<6 days)	72,796	0.20	0.40	0.20	0.11	0.19	0.09
	4th Quartile (>17 days)	70,161	0.17	0.37	0.18	0.08	0.18	0.08

Note: Observed readmission rate is the percentage of IPF readmissions during the measurement period that were followed by an unplanned readmission to an IPF within 30 days.  
Predicted rate of readmissions is an estimated number of readmissions based on the IPF's performance and its observed case mix.

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**Table 6b. Effect sizes for differences in group means by beneficiary characteristics**

Category	Patient group	Predicted rate (Cohen's d)	Expected rate (Cohen's d)	Observed rate (Cohen's d)
Sex	Male vs. female beneficiaries	0.43	0.44	0.10
Schizophrenia diagnosis	Beneficiaries with vs. without schizophrenia diagnosis	0.46	0.47	0.11
SUD diagnosis	Beneficiaries with vs. without SUD diagnosis	0.09	0.09	0.02
Mood Disorder diagnosis	Beneficiaries with vs. without Mood Disorder diagnosis	0.20	0.21	0.05
Length of stay at an IPF	1st quartile (<6 days) vs. 4th quartile (>17 days)	0.32	0.19	0.09

**Table 6c. Performance measure score correlation for IPF's meeting volume thresholds for each measure**

	IPF ED visits observed rate	IPF ED visits risk adjusted rate	7-Day Follow-up After Psychiatric Hospitalization (FAPH)	30-Day Follow-up After Psychiatric Hospitalization (FAPH)	Medication continuation
# IPF's	1345	1345	912	912	767
Pearson Correlation***	0.35	0.04	-0.27	-0.32	-0.29
Spearman Correlation***	0.35	0.05	-0.28	-0.33	-0.27

\* p < .05, \*\* p < .01, \*\*\* p < .001.