

Risk Probability Threshold	Number of Beneficiaries with Predicted New OUD or Opioid-Related Overdose Diagnosis	Number of True Positives*	PPV (Percent)	NNE
Top 1 percent** (Validation Data)	16,862	1,860	11.01	9
Top 1 percent	62,571	5,445	8.70	11
Top 50,000	50,000	4,562	9.12	11
Top 40,000	40,000	3,792	9.48	11
Top 30,000	30,000	2,996	9.99	10
Top 20,000	20,000	2,168	10.84	9
Top 10,000	10,000	1,219	12.19	8
Top 5,000	5,000	679	13.58	7
Top 1,000	1,000	150	15.00	7

*True Positives are beneficiaries that were categorized into the given risk probability threshold group based on data from the October 1, 2021, to March 31, 2022, measurement period, then were subsequently found to have experienced a new opioid OD/OUN during the April 1, 2022, to September 30, 2022, prediction period.

**Validation data: random 25 percent sample of total population: January 1, 2019, to June 30, 2019, measurement period, and July 1, 2019, to December 31, 2019, prediction period.