Risk Index for Overdose or Serious Opioid-Induced Respiratory Depression (RIOSORD)

Description	Y/N	Score	
In the past 6 months, has the patient had a health care visit (outpatient, inpatient, or ED) involving:			
Opioid dependence?		15	
Chronic hepatitis or cirrhosis?		9	
Bipolar disorder or schizophrenia?			
Chronic pulmonary disease? (e.g., emphysema, chronic bronchitis, asthma, pneumoconiosis, asbestosis)			
Chronic kidney disease with clinically significant renal impairment?		5	
Active traumatic injury, excluding burns? (e.g., fracture, dislocation, contusion, laceration, wound)		4	
Sleep apnea?		3	
Does the patient consume:			
An extended-release or long-acting (ER/LA) formulation of any prescription opioid or opioid with long and/or variable half-life? (e.g.,OxyContin, Oramorph-SR, methadone, fentanyl patch, levorphanol)		9	
Methadone? (Methadone is a long-acting opioid, so also write Y for "ER/LA formulation")		9	
Oxycodone? (If it has an ER/LA formulation [e.g., OxyContin], also write Y for "ER/LA formulation")		3	
A prescription antidepressant? (e.g., fluoxetine, citalopram, venlafaxine, amitriptyline)		7	
A prescription benzodiazepine? (e.g., diazepam, alprazolam)		4	
Is the patient's current maximum prescribed opioid dose:			
>100 mg morphine equivalents per day?		16	
50-100 mg morphine equivalents per day?		9	
20-50 mg morphine equivalents per day?		5	
In the past 6 months, has the patient:			
Had 1 or more ED visits?		11	
Been hospitalized for 1 or more days?		8	
Total Score		115	

Opioid Induced Respiratory Depression (OIRD) Probability based on Calculated Risk Index

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Risk index score	OIRD probability (%)	
0-24	3	
25-32	14	
33-37	23	
38-42	37	
43-46	51	
47-49	55	
50-54	60	
55-59	79	
60-66	75	
≥67	86	

Adapted from: Zedler B, Xie L, Wang L et al. Development of a Risk Index for Serious Prescription Opioid-Induced Respiratory Depression or Overdose in Veterans' Health Administration Patients. Pain Medicine. Jun 2015. 16;1566-1579.