Supplementary File S8: Meta-analysis results for ADR prevalence

Table S8: ADRs implicated in ADR-related admissions in hierarchical descending order of estimated point prevalence (ADR frequency reported as a proportion of **a)** *all cases with ADRs* and **b**) *all ADRs*). The X marks studies contributing to the corresponding meta-analysis.

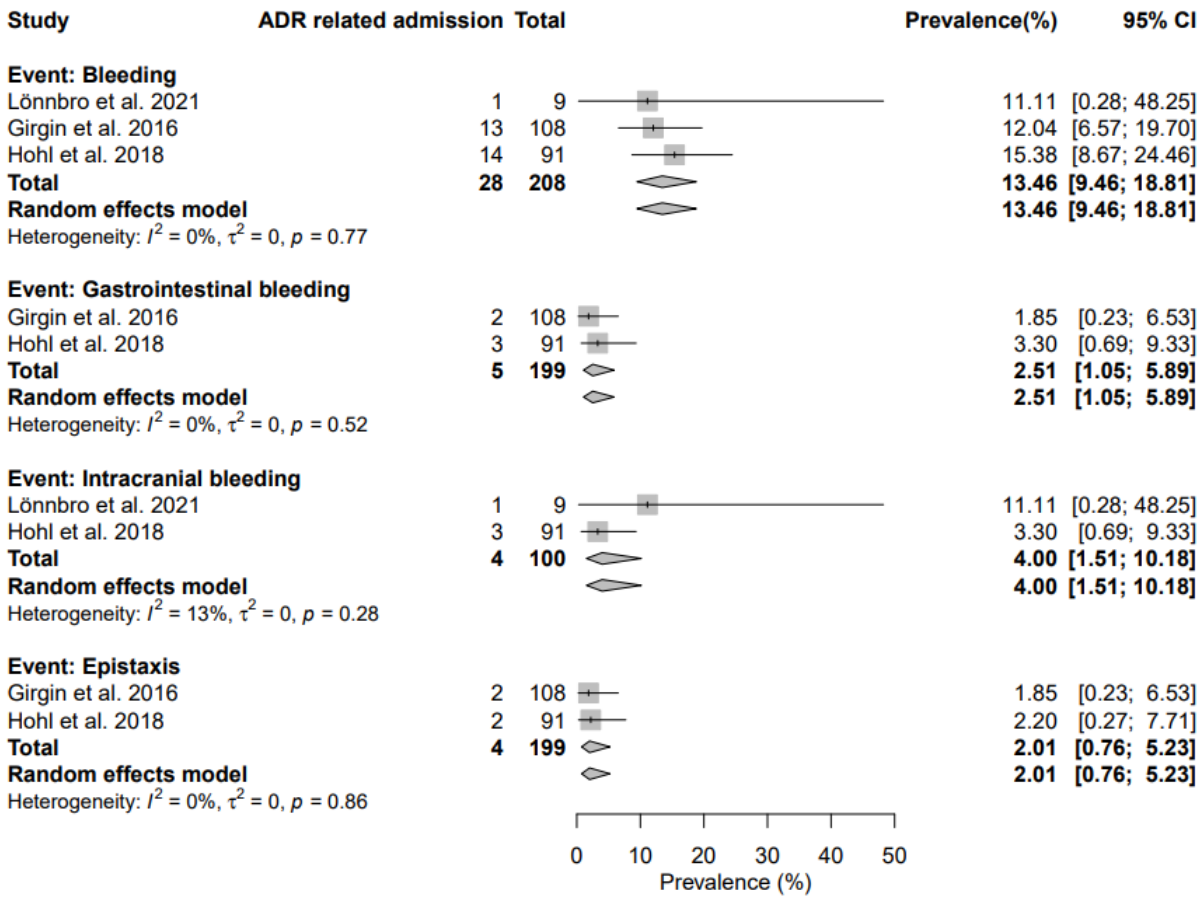
ADR categories Individual ADRs	**a) ADR frequency as a proportion of *all cases with ADRs***					**b) ADR frequency as a proportion of *all ADRs***					
	Girgin et al.	**Hohl et al.**	**Just et al.**	**Lönnbro et al.**	**Prevalence % [95% CI]**	**Chan et al.**	**Hohl et al.**	**Li et al.**	**Lönnbro et al.**	**Pedros et al.**	**Prevalence % [95% CI]**
Gastrointestinal disorders	X	X		X	**28.49 [21.56; 36.61]**	X	X	X	X	X	**21.42 [18.39; 24.80]**
Dyspepsia	X				21.30 [13.57; 29.02]						-
Gastroenteritis	X				12.04 [5.90; 15.21]						-
Diarrhoea		X			7.69 [3.15; 15.21]		X				6.14 [2.50; 12.24]
Nausea/vomiting		X		X	6.00 [2.72; 12.72]		X		X		4.65 [2.10; 9.97]
Abdominal/epigastric pain		X		X	5.00 [2.10; 11.45]		X		X		3.88 [1.62; 8.97]
Constipation	X	X		X	3.30 [1.20; 8.74]		X		X		4.65 [2.10; 9.97]
Gastritis		X			2.20 [0.27; 7.71]		X				1.75 [0.21; 6.19]
Ulcer		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Electrolyte disturbances		X			**16.48 [9.53; 25.73]**	X	X				**11.17 [7.47; 16.38]**
Hypokalaemia		X			7.69 [3.15; 15.21]		X				6.14 [2.50; 12.24]
Hyperkalaemia		X			4.40 [1.21; 10.87]		X				3.51 [0.96; 8.74]
Hyponatraemia		X			4.40 [1.21; 10.87]		X				3.51 [0.96; 8.74]
Bleeding	X	X		X	**13.46 [9.46; 18.81]**		X		X		**11.63 [7.13; 18.39]**
Blood stool			X		10.43 [9.19; 11.78]						-
Haematuria/haemoptysis/epistaxis		X			5.49 [1.81; 12.36]		X				4.39 [1.44; 9.94]
Intracranial bleeding		X		X	4.00 [1.51; 10.18]		X		X		3.10 [1.17; 7.97]
Gastrointestinal bleeding	X	X			2.51 [1.05; 5.89]		X				2.63 [0.55; 7.50]
Epistaxis	X	X			2.01 [0.76; 5.23]		X				1.75 [0.21; 6.19]
Rectal bleed		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Haematoma		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Renal and urinary disorders	X	X		X	**11.81 [5.35; 24.09]**		X	X	X	X	**17.94 [11.34; 27.21]**
Pyelonephritis				X	11.11 [0.28; 48.25]				X		6.67 [0.17; 31.95]
Acute kidney injury	X	X		X	9.81 [5.49; 16.92]		X		X		10.85 [6.53; 17.49]
Renal impairment			X	X	1.75 [1.28; 2.39]	X			X		5.10 [2.14; 11.68]
Urinary retention		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Skin reactions	X	X			**9.67 [2.19; 33.89]**		X	X			**0.92 [0.15; 5.42]**
Angioedema	X				6.48 [2.65; 12.90]						-
Urticaria	X	X			5.90 [0.53; 42.33]		X				0.88 [0.02; 4.79]
Rash		X	X		2.04 [1.53; 2.70]	X	X				3.05 [1.37; 6.61]
Injury, poisoning, and procedural					-		X	X	X		**8.86 [3.79; 19.36]**
Falls and fall injuries		X	X	X	6.09 [5.19; 7.14]		X		X		4.65 [2.10; 9.97]
Cardiac and vascular disorders	X	X		X	**8.65 [5.52; 13.32]**		X		X		**7.75 [4.22; 13.81]**
Vascular disorders					-			X			**5.83 [4.24; 7.80]**
Cardiac disorders					-			X			**5.00 [3.41; 6.59]**

Decompensated heart failure				X	11.11 [0.28; 48.25]				X		6.67 [0.17; 31.95]
Cardiac rhythm disorders*		X			4.40 [1.21; 10.87]		X				3.51 [0.96; 8.74]
Bradycardia	X	X	X		3.07 [2.45; 3.83]	X	X				2.03 [0.76; 5.28]
Palpitation	X				3.70 [1.02; 9.21]						-
Hypotension	X	X	X	X	3.55 [2.88; 4.36]	X	X		X		5.19 [2.90; 9.12]
Hypertension	X				1.85 [0.23; 6.53]						-
Psychiatric disorders	-				-		X	X			**6.83 [5.31; 8.76]**
Confusional state		X	X		1.26 [0.88; 1.80]		X				0.88 [0.02; 4.79]
Delirium		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Fatigue/drowsiness/lethargy	X	X			1.01 [0.25; 3.93]	X	X				1.52 [0.49; 4.61]
Altered consciousness	X	X			1.01 [0.25; 3.93]		X				0.88 [0.02; 4.79]
Infection		X		X	**5.71 [0.97; 27.36]**	X	X	X	X		**4.51 [3.35; 6.04]**
Erysipelas				X	11.11 [0.28; 48.25]				X		6.67 [0.17; 31.95]
Respiratory tract infection	X			X	1.71 [0.43; 6.58]				X		6.67 [0.17; 31.95]
Discitis		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Oral thrush		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Pneumonia			X		0.54 [0.25; 0.89]						-
Nervous system disorders	X	X			**5.53 [3.09; 9.70]**		X	X		X	**8.50 [6.95; 10.36]**
Dizziness		X	X		6.34 [1.72; 20.75]		X				1.75 [0.21; 6.19]
Ataxia		X			2.20 [0.27; 7.71]		X				1.75 [0.21; 6.19]
Aphasia/slurred speech		X			2.20 [0.27; 7.71]		X				1.75 [0.21; 6.19]
Headache	X	X			1.01 [0.25; 3.93]		X				0.88 [0.02; 4.79]
Blood dyscrasias		X		X	**5.00 [2.10; 11.45]**		X	X	X		**2.59 [1.71; 3.90]**
Anaemia		X	X		7.20 [6.21; 8.33]		X				1.75 [0.21; 6.19]
Febrile neutropenia		X		X	2.00 [0.50; 7.64]		X		X		1.55 [0.39; 5.98]
Anaemia/leucopenia/thrombocytopenia					-	X					4.82 [0.21; 9.43]
Thrombocytopenia		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Pancytopenia		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
Musculoskeletal disorders		X			**4.40 [1.21; 10.87]**		X	X			**0.92 [0.15; 5.42]**
Leg spasms/cramps/rigidity/weakness		X			4.40 [1.21; 10.87]		X				3.51 [0.96; 8.74]
Respiratory disorders					-	X		X			**2.24 [1.42; 3.53]**
Dyspnoea			X		13.45 [12.06; 14.95]						-
Metabolism and nutrition disorders		X			**2.20 [0.27; 7.71]**		X	X			**4.81 [1.46; 14.72]**
Dehydration			X		2.84 [2.19; 3.62]						-
Blood sugar disturbances		X			2.20 [0.27; 7.71]		X				1.75 [0.21; 6.19]
Hypoglycaemia	X	X			2.99 [1.19; 7.32]	X	X				1.52 [0.49; 4.61]
Hyperglycaemia		X			1.10 [0.03; 5.97]		X				0.88 [0.02; 4.79]
General disorders					-			X			**2.08 [1.17; 3.41]**
Liver disorders		X			**1.10 [0.03; 5.97]**	X	X	X			**1.64 [0.99; 2.70]**
Immune system disorders		X			-		X	X			**0.98 [0.32; 2.98]**
Allergic/anaphylactoid reaction		X			3.30 [0.69; 9.33]		X				2.63 [0.55; 7.50]
Eye disorders					-			X			**0.42 [0.09; 1.21]**
Reproductive system and breast disorders					-			X			**0.14 [0.00-0.77]**

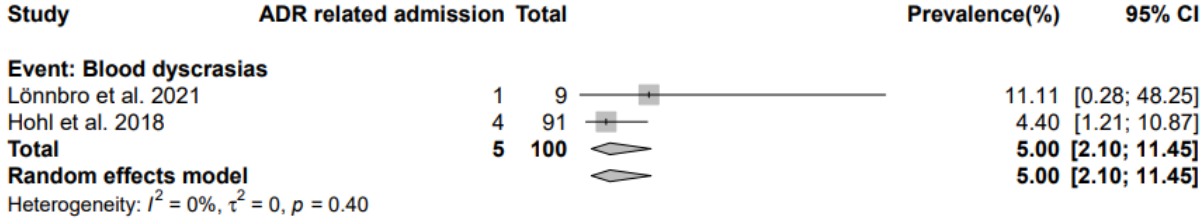
Forest plots for all ADRs

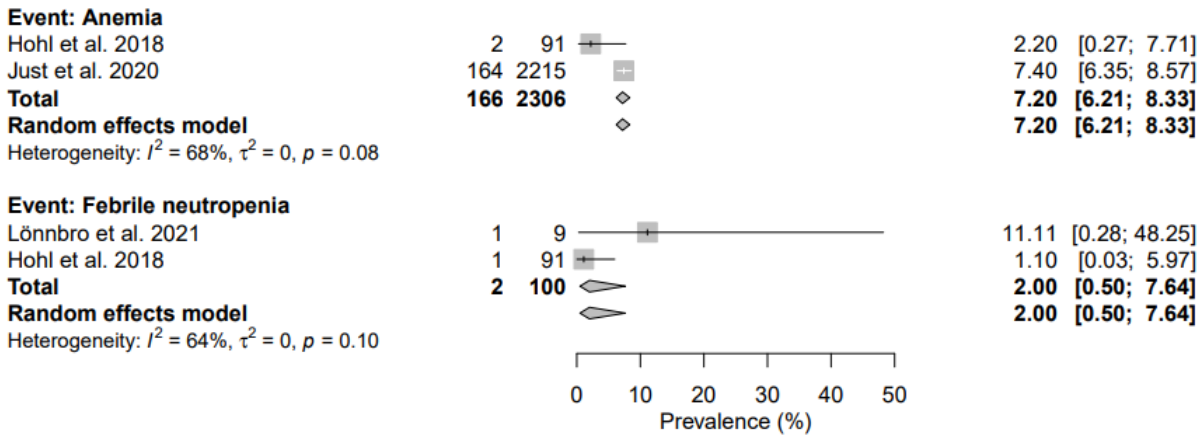
a) ADR frequency as a proportion of all cases with ADRs

Bleeding

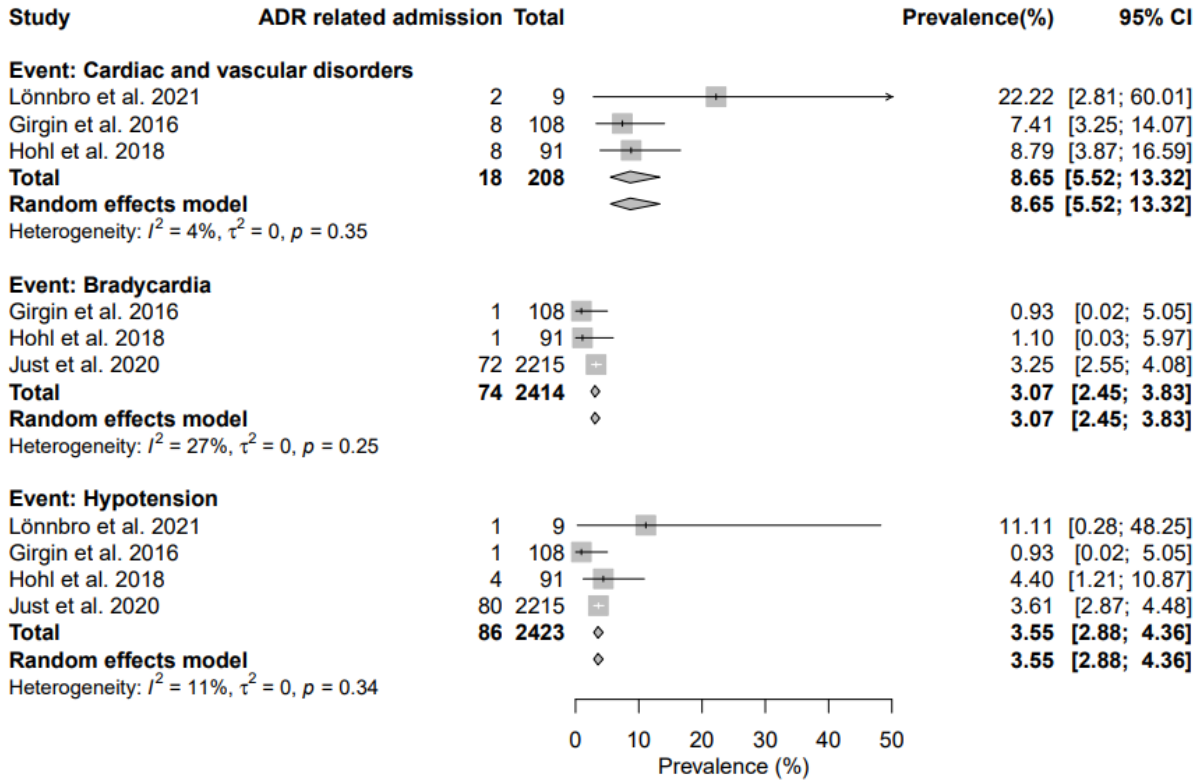


Blood dyscrasias

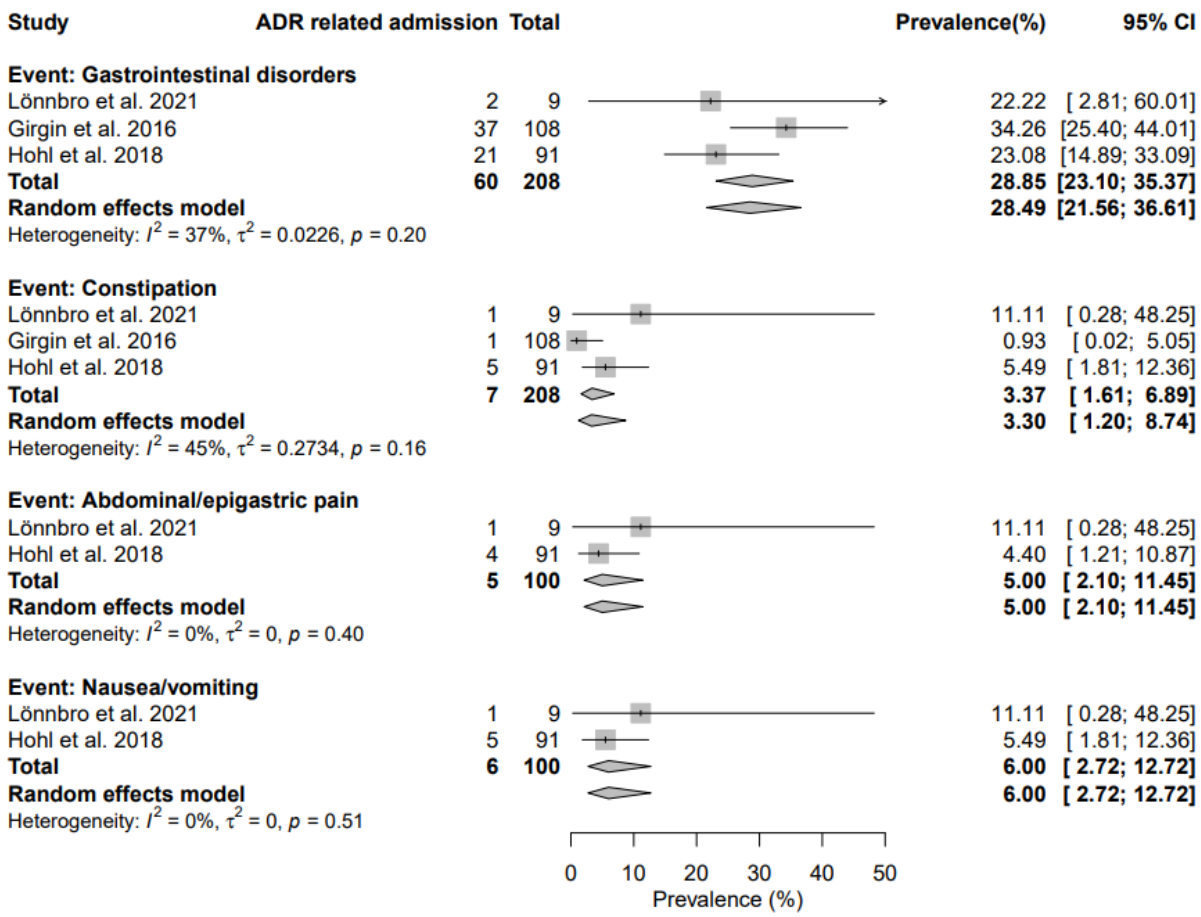




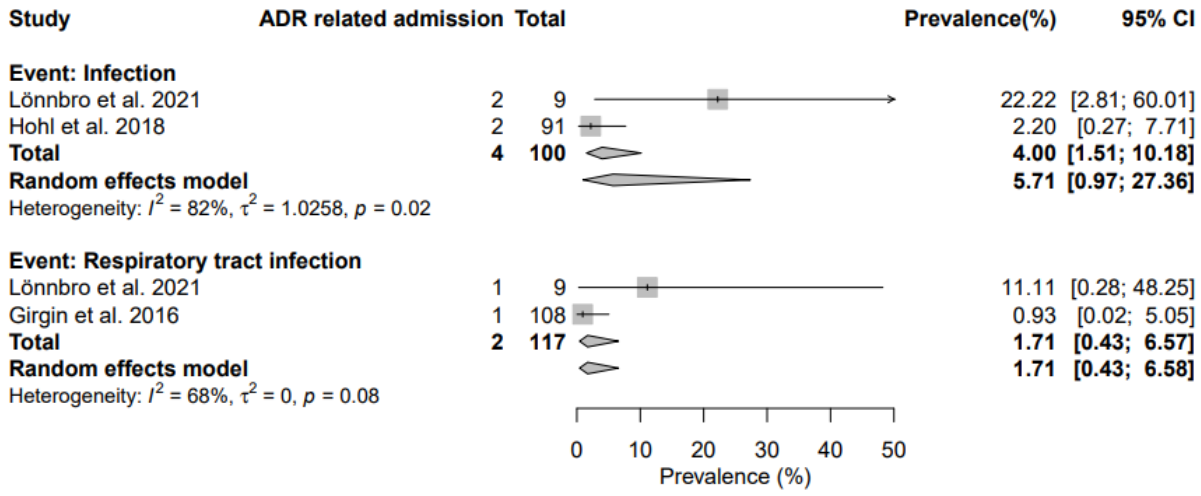
Cardiac and vascular disorders



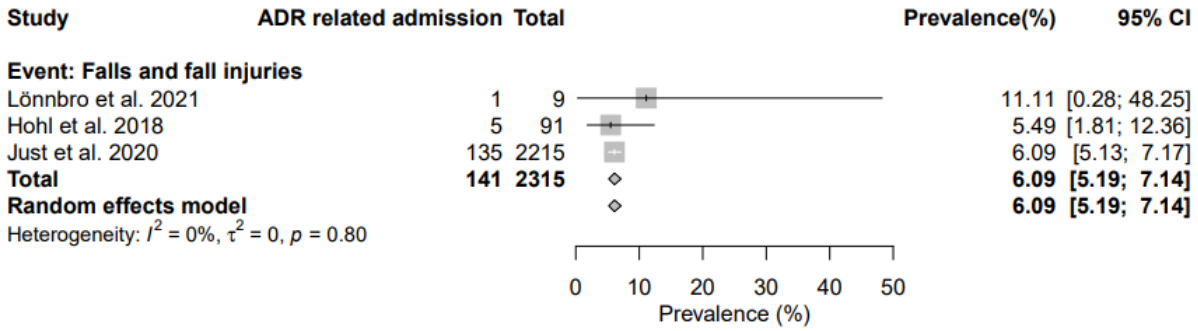
Gastrointestinal disorders



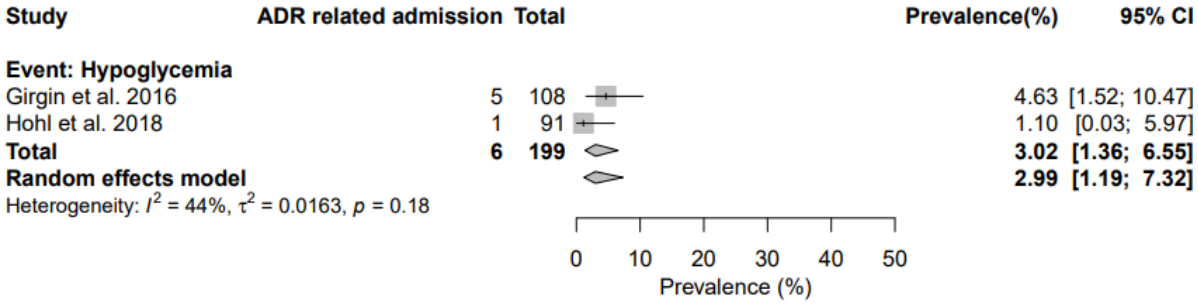
Infection



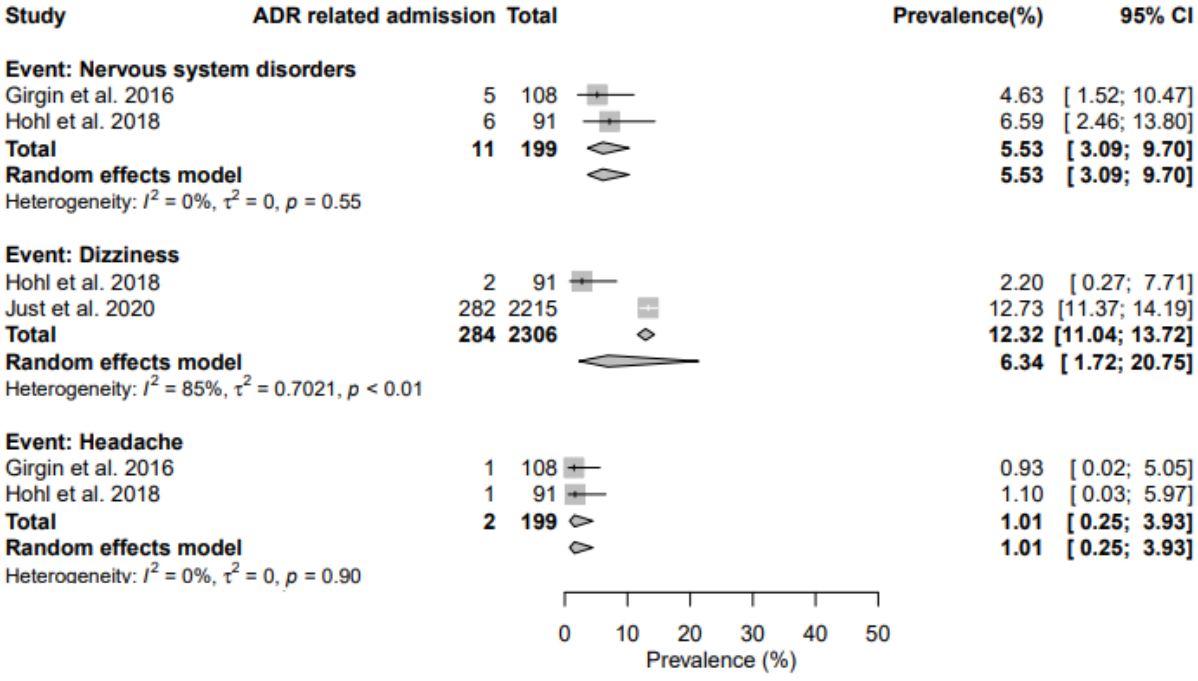
Injuries, poisonings and procedural complications



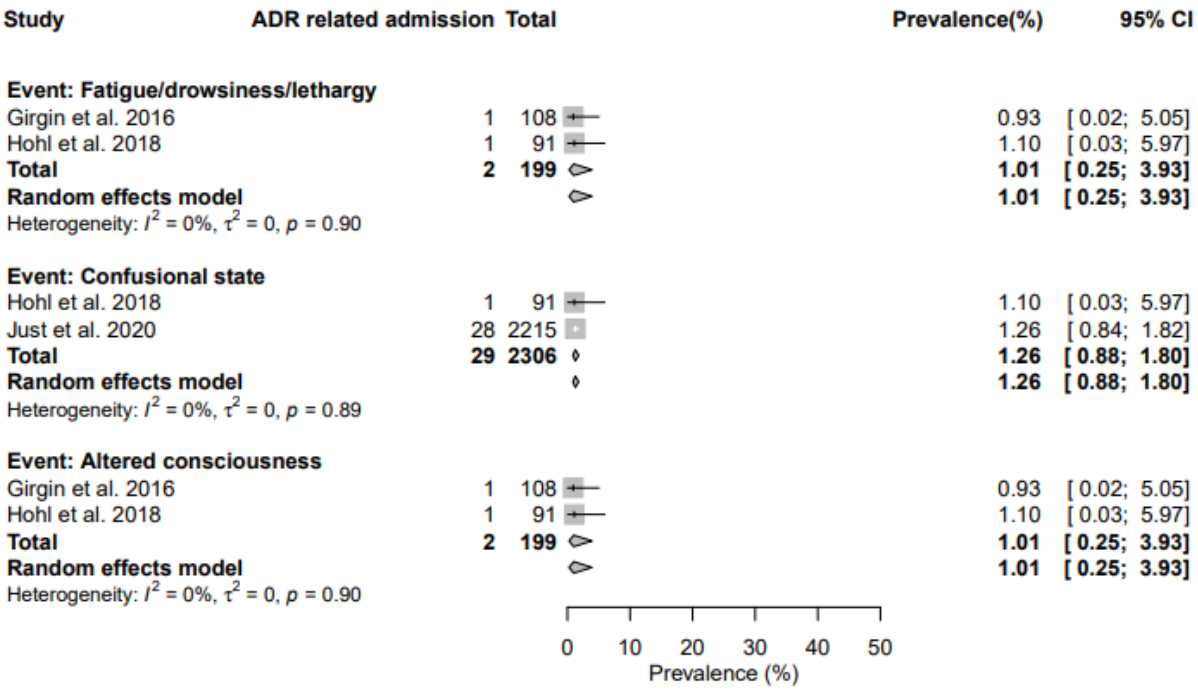
Metabolism and nutrition disorders



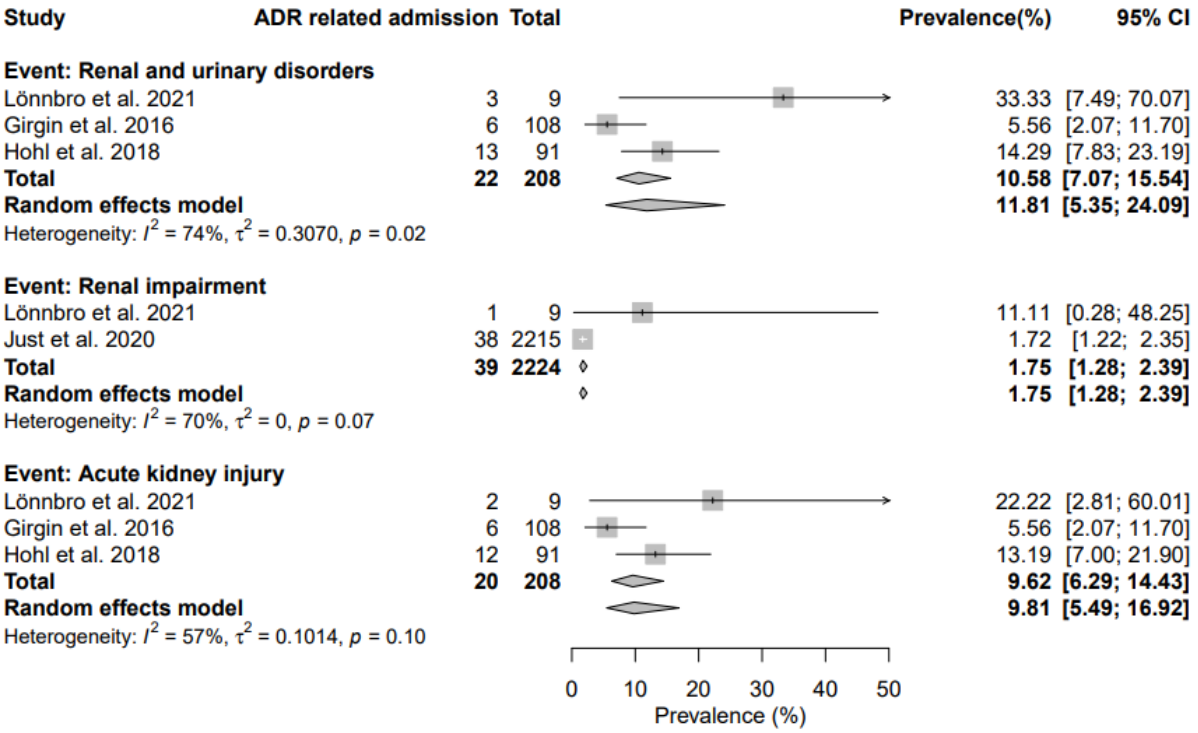
Nervous system disorders



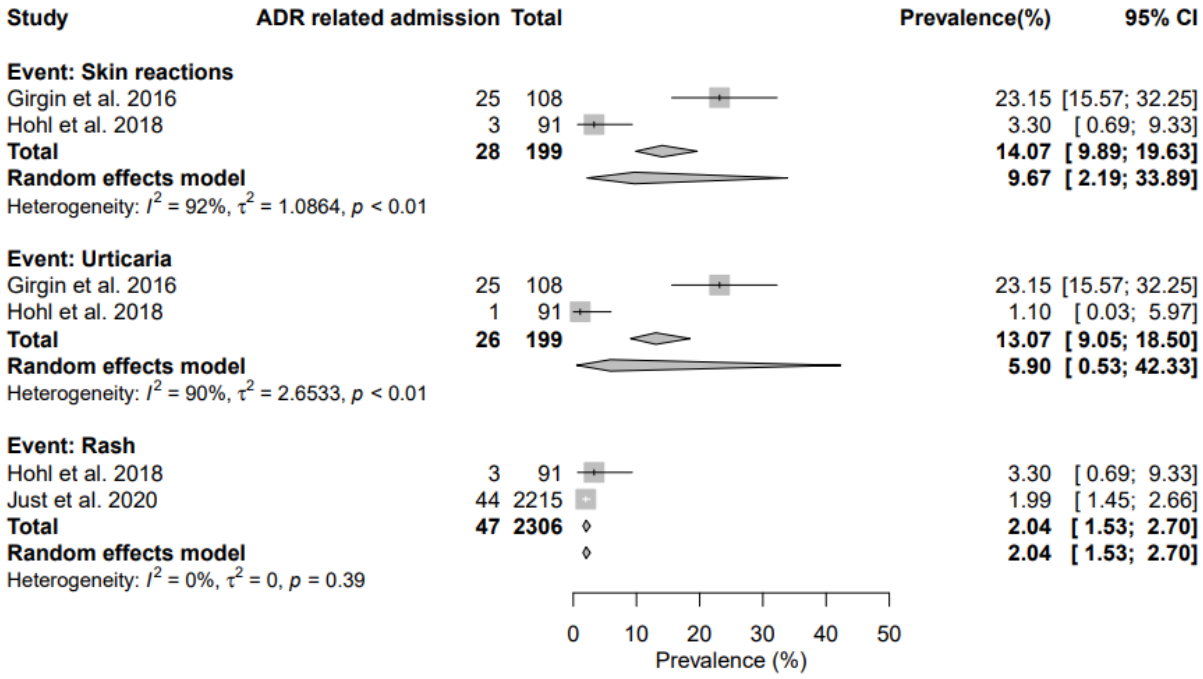
Psychiatric disorders



Renal and urinary disorders

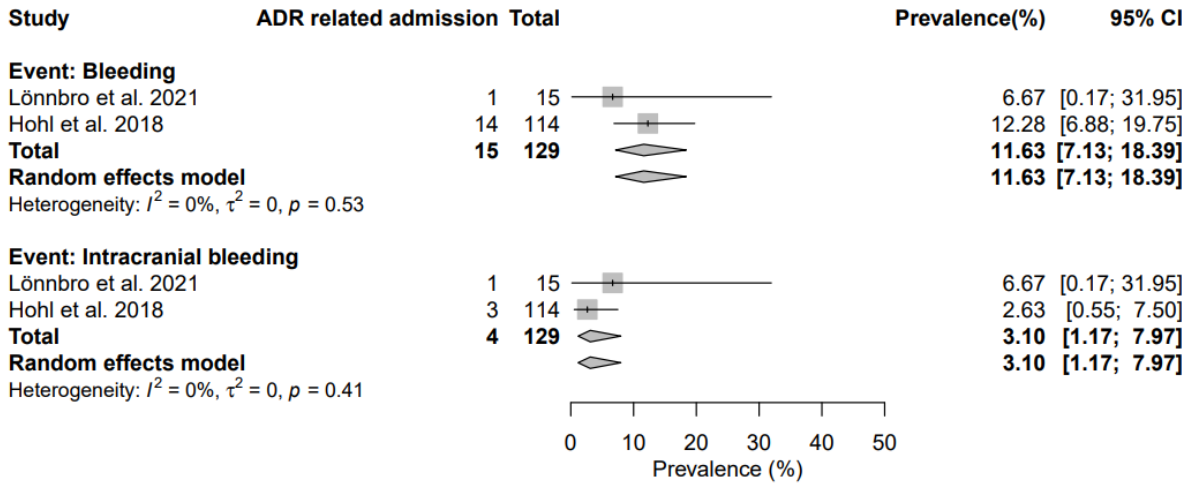


Skin disorders

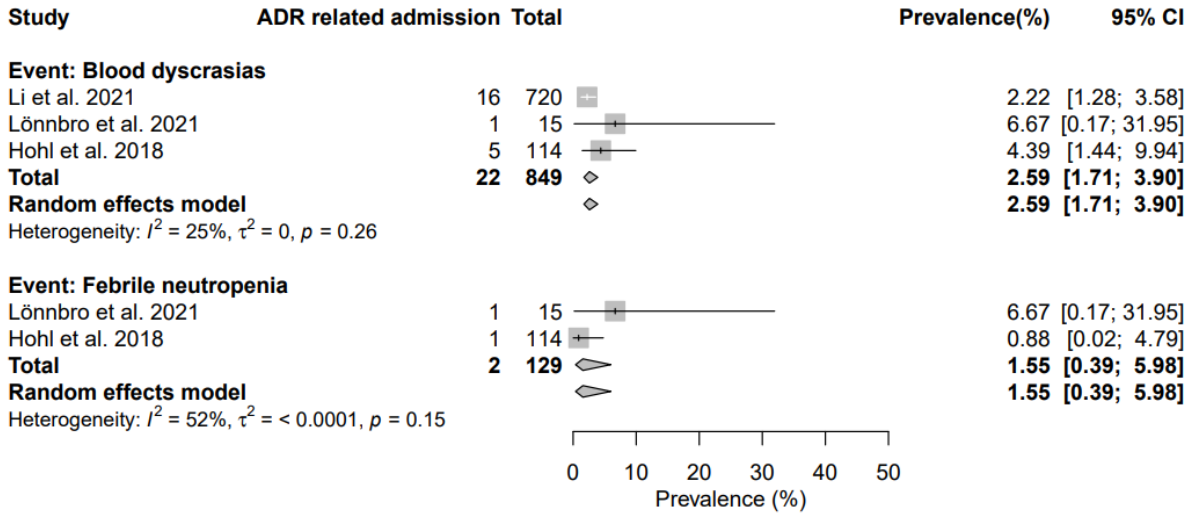


b) ADR frequency as a proportion of all ADRs

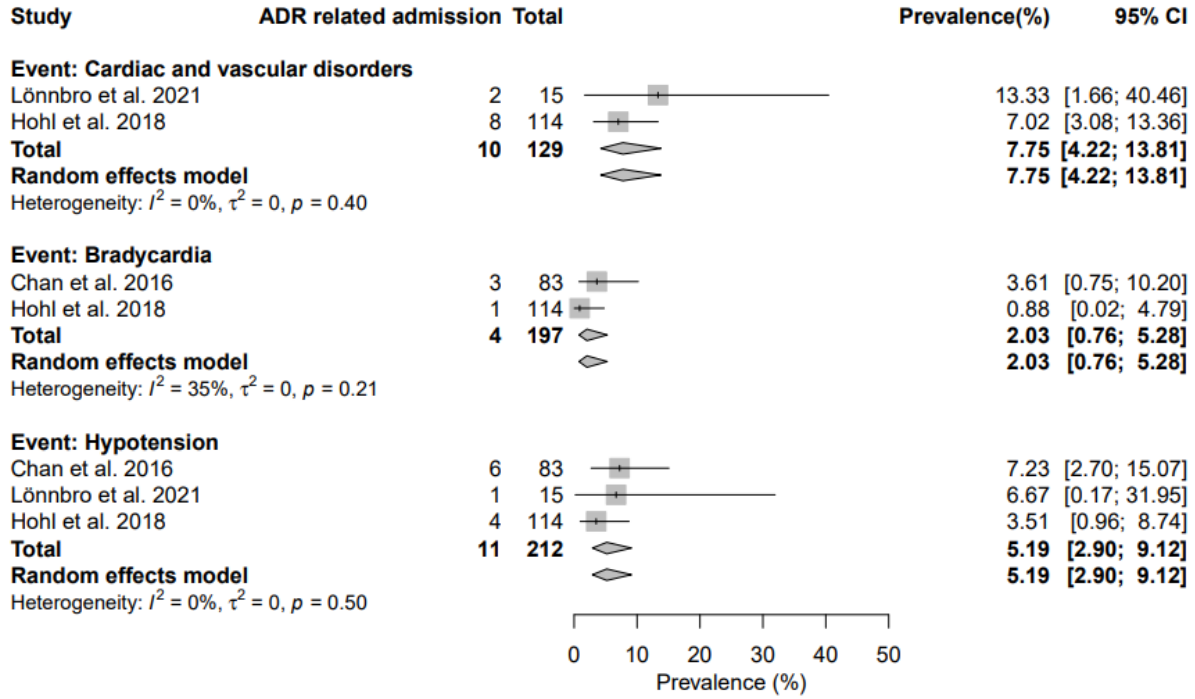
Bleeding



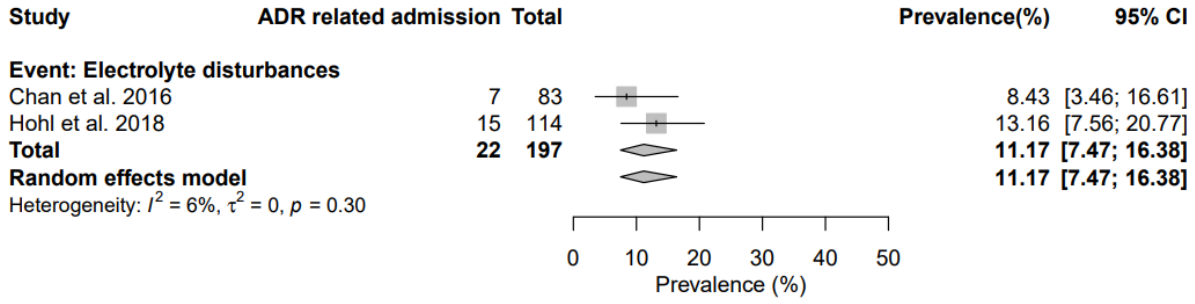
Blood dyscrasias



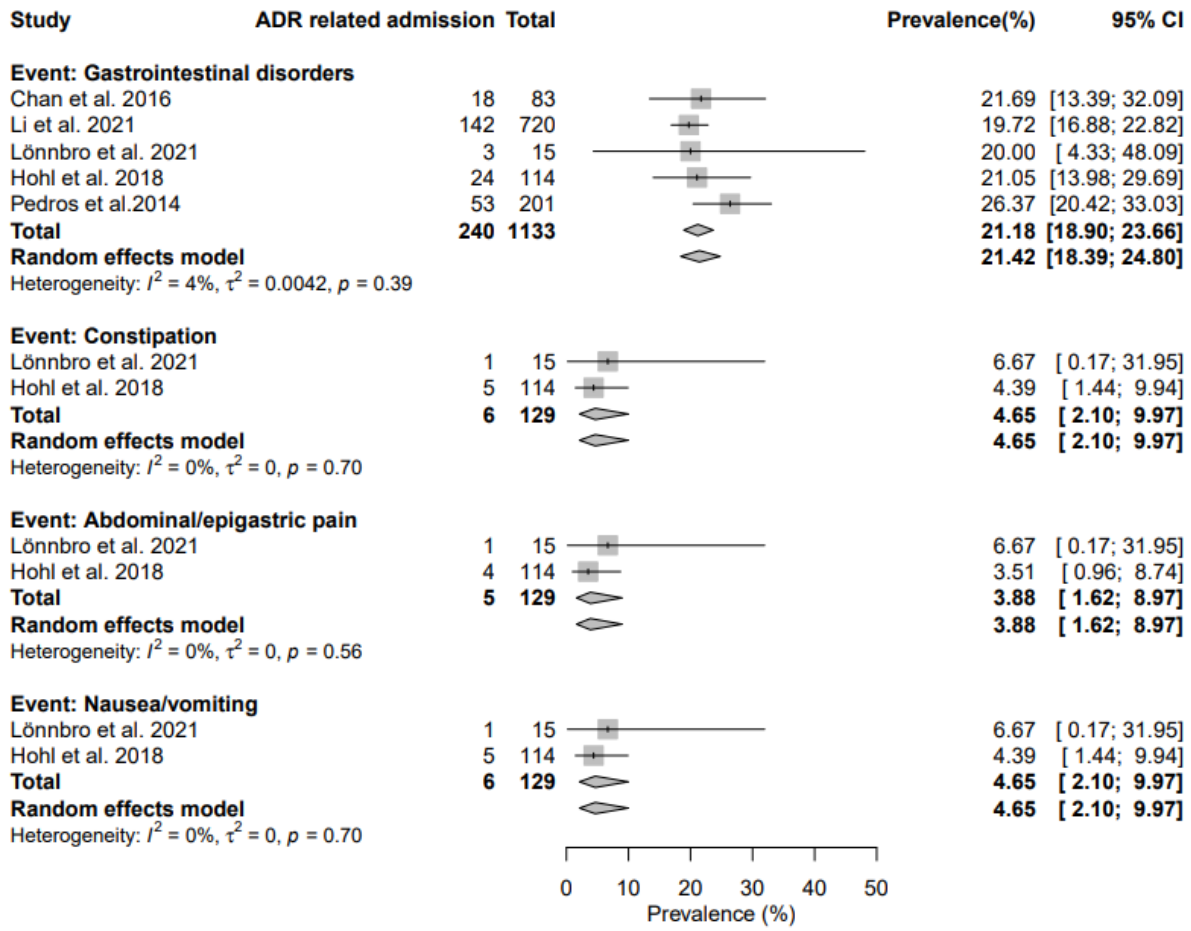
Cardiac and vascular disorders



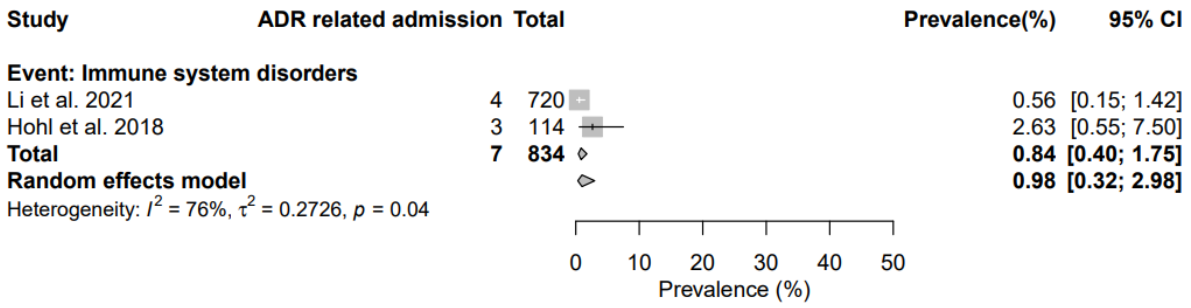
Electrolyte disturbances



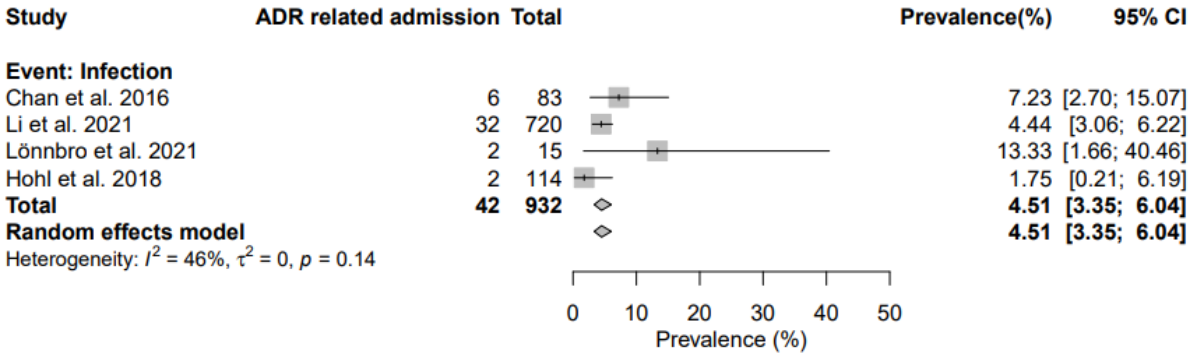
Gastrointestinal disorders



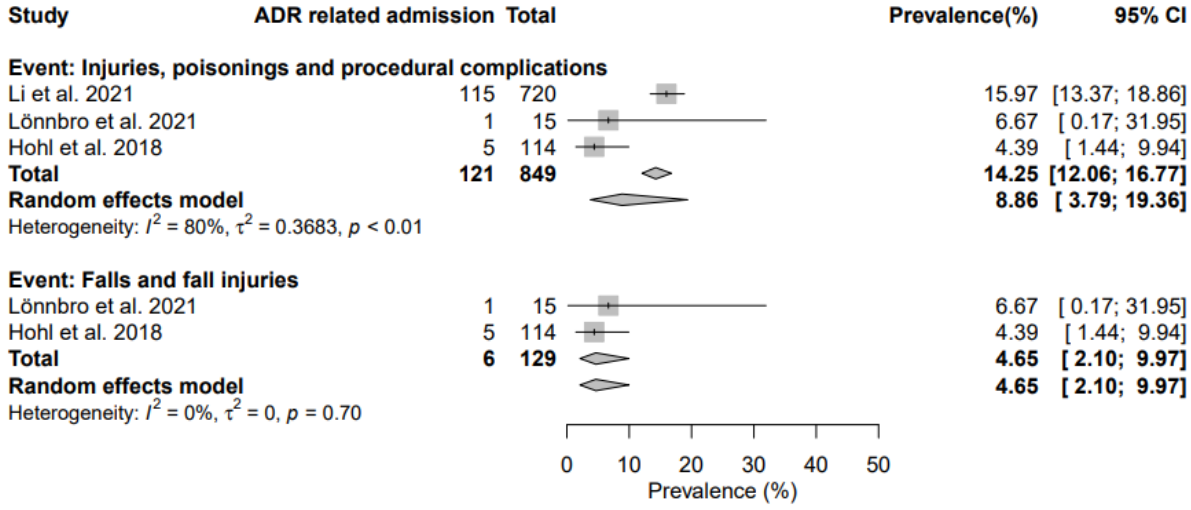
Immune system disorders



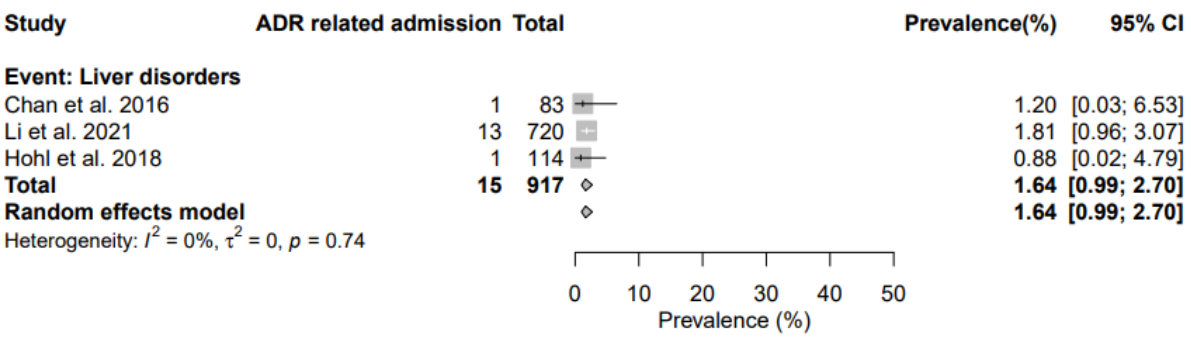
Infection



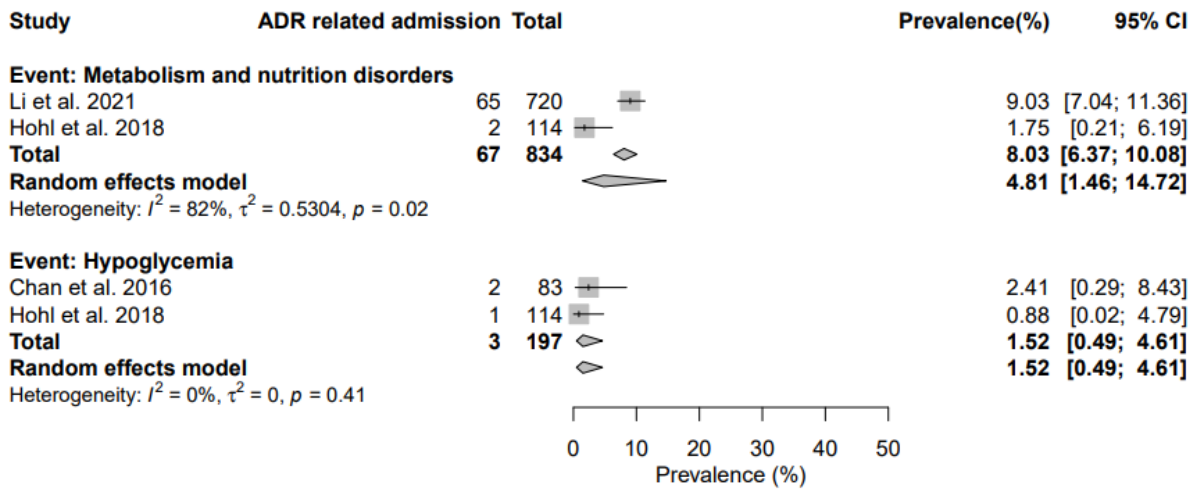
Injuries, poisonings and procedural complications



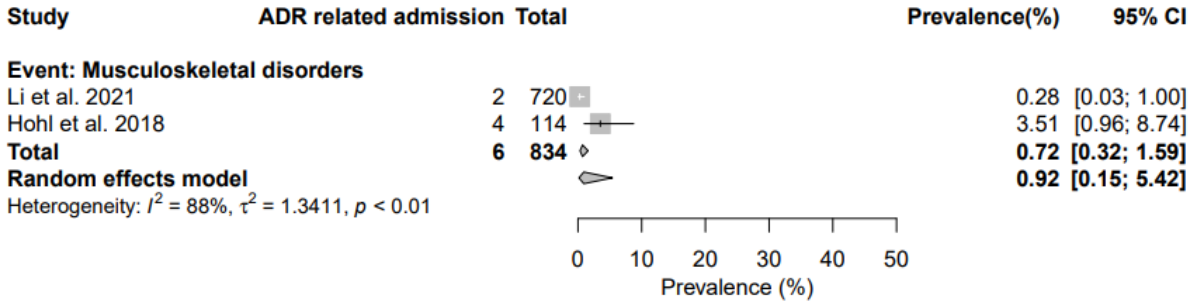
Liver disorders



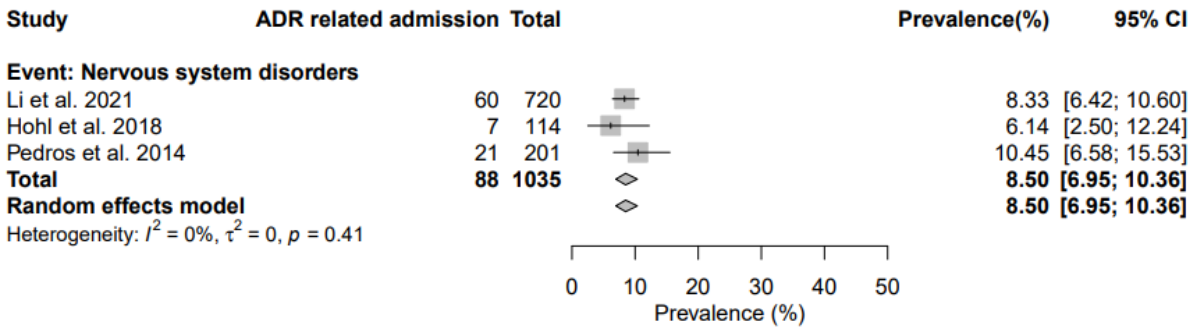
Metabolism and nutrition disorders



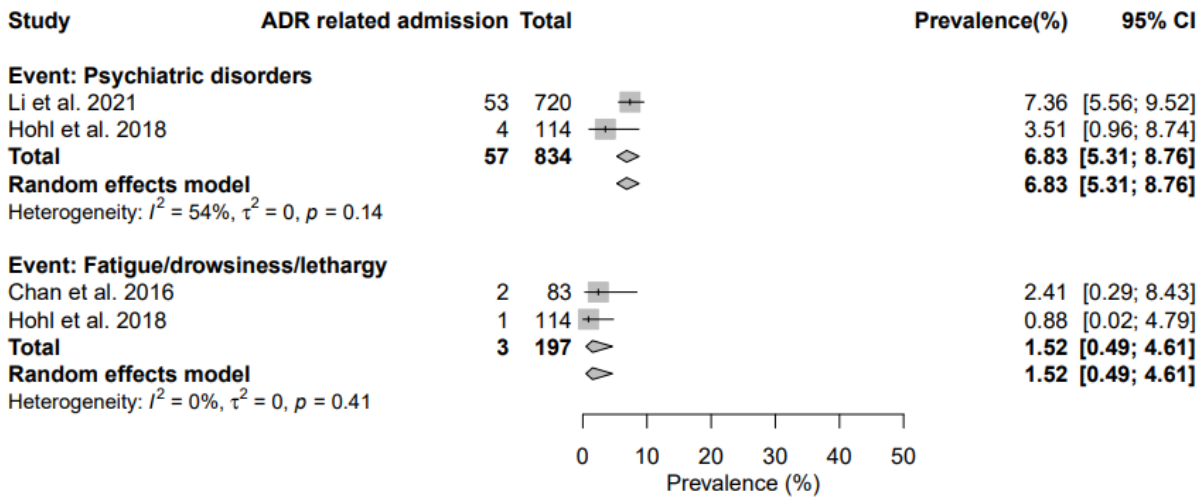
Musculoskeletal disorders



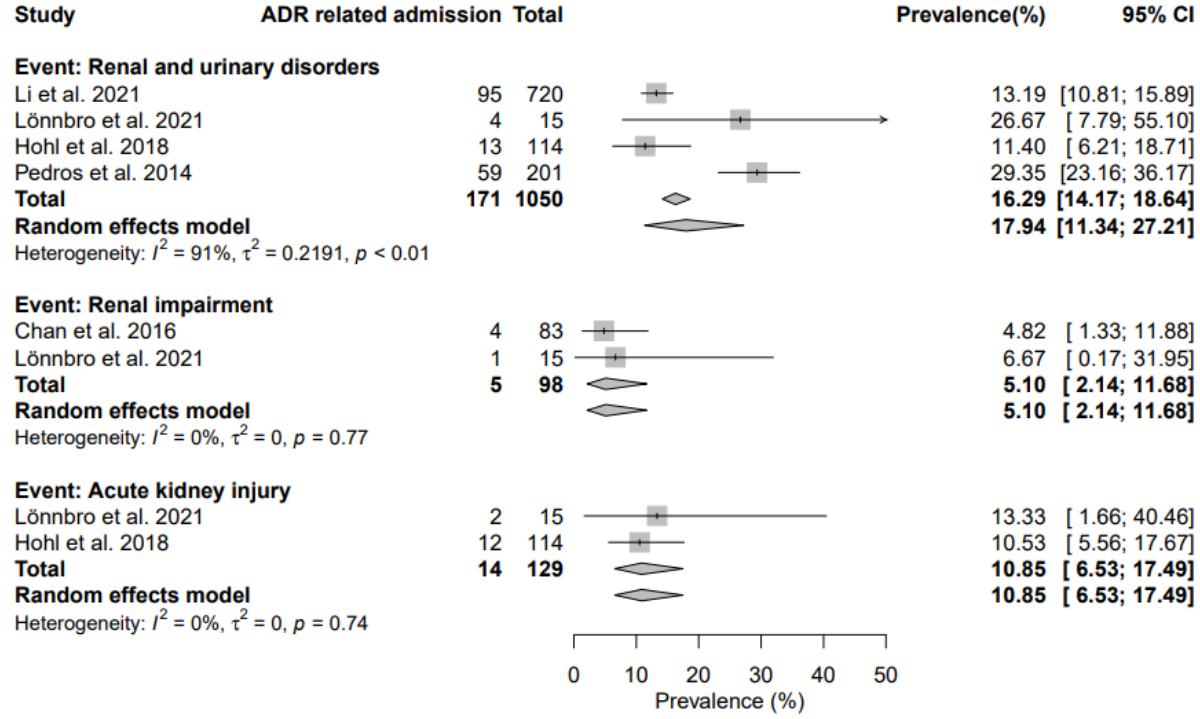
Nervous system disorders



Psychiatric disorders



Renal and urinary disorders



Skin reactions

