Study	Delirium assessment	Representa tiveness		pts per covariate	source of population	Initial exposure	Loss to follow up	Overall Comments
Agostini 2001 Prospective study	l; Partly inadequate	somewhat representative of the community	Comparable at baseline apart from study risk factor	122/4 (=30)	Exposed/non- exposed from same cohort	No patients haddelirium at start of study	Not stated	Cohort comparable on age, gender, ethnicity, being admitted from either home or nursing home, APACHE II and MMSE score; mean medications Key RF: 1/3 (age);
Evidence	quality: low							patients with profound dementia excluded
Centorrino 20 Retrospective study	,	selected group eg specific operations	Confounding possible : not enough factors included	e / (=)	Unclear	Unclear	Not stated	In patients with more than one admission within the study period, one entry was randomly selected for analysis without knowledge fo delirium; univariate analysis only
Evidence	quality: biased							
Dubois 2001; Prospective study	adequate (e.g.MMSE)	somewhat representative of the community	Confounding possible: not enough patients for multivariate analysis	38/7 (=5)	Exposed/non- exposed from same cohort	No patients haddelirium at start of study	Acceptable: ≤20% loss to follow up; 9 patients with delirium were excluded form MV analysis	Key RF: none
Evidence of	quality: biased						-	

Study	Delirium assessment	Representa tiveness			source of population	Initial exposure	Loss to follow up	Overall Comments
Foy 1995; Prospective study	adequate (e.g. CAM/DSM IV validated)	no description of the derivation of the cohort or unclear	Acceptable: confounders taken into account in analysis (multivariate)	21/12 (=2)	Unclear	No patients haddelirium at start of study	Not stated; Not reported	Key RF:1/3 (age); Designed to recruit 400 patients and would give a power of 98% to detect a relative risk of 4 for the development of cognitive impairment
Evidence	quality: low							
Holroyd 1994 Retrospective study		selected group eg specific operations	Confounding possible : not enough factors included	/ (=)	Unclear	Unclear	Not stated	univariate analysis only.
Evidence	quality: biased							
Leung 2006; Prospective study	adequate (e.g. CAM/DSM IV validated)	somewhat representative of the community	Acceptable: confounders taken into account in analysis (multivariate)	90/5 (=18)	Exposed/non- exposed from same cohort	Unclear	Not stated	one key risk factor taken into account: age

Evidence quality: moderate

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Study	Delirium assessment	Representa tiveness		pts per covariate	source of population	Initial exposure	Loss to follow up	Overall Comments
Morrison 200 Prospective study	,	somewhat representative of the community	Confounding possible: not enough patients for multivariate analysis	87/16 (=5)	Exposed/non- exposed from same cohort	No patients haddelirium at start of study	Adequate: all patients followed up	Key RF: 2/3 (age, cognitive impairment)
Evidence	quality: moderate	9						
Pandharipan 2006; Prospective study	(e.g. CAM/DSM	somewhat representative of the community	Fairly acceptable: multivariate analysis with nearly enough patients (8-10 per covariate)	118/17 (=7)	Exposed/non- exposed from same cohort	Some patients had delirium at start of study	Not stated	Key RF: 3/3 (age, sensory impairment, dementia); ratio ranging from : 4 [66/17] to 7 [118/17]
Evidence	quality: moderate							
Pisani 2007; Prospective study		· 	Fairly acceptable: multivariate analysis with nearly enough patients (8-10 per covariate)	214/24 (=9)	Exposed/non- exposed from same cohort	Unclear	Acceptable: ≤20% loss to follow up; 5 patients who had persistent coma during their ICU stay excl from analysis; 26% missing databilirub	ratio of events/covariate is 9; 2/4 key RFs (dementia, polypharmacy)

Study	Delirium assessment	Representa tiveness		pts per covariate	source of population	Initial exposure	Loss to follow up	Overall Comments
Pisani 2009; Prospective study	adequate (e.g. CAM/DSM IV validated)	somewhat representative of the community	Acceptable: confounders taken into account in analysis (multivariate)	304/10 (=30)	Exposed/non- exposed from same cohort	Unclear	Not stated	Key RF: 1/3 (dementia); dementia: IQCODE score >3.3
Evidence	quality: low							
Shulman 200 Retrospective study	,	somewhat representative of the community	Confounding possible : not enough factors included	282/4 (=70)	Unclear	Unclear	Not stated; no details	3 groups similar mean age, gender, hearing impairment, visual impairment retrospecitve and method of assessment unclear;

Evidence quality: biased