

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Ahmed 1997	SAU	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Clinical surveillance 	964	11.0	
Andrews 1997	USA	Inpatients	<ul style="list-style-type: none"> • Surgery • ICU 	<ul style="list-style-type: none"> • Direct observation 	1,047		17.7
Azad 2002	CAN	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review 	111	25.2	
Azaz-Livshits 1998	ISR	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Retrospective chart review 	153	24.8	
Baena Parejo 2005	ESP	Outpatients	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Prospective chart review 	2,261	33.2	
Baker 2004	CAN	inpatients		<ul style="list-style-type: none"> • Havard Medical Design 	3745	7.5	2.8
Bates 1995	USA	inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Havard Medical Design 	3137	10.9	4.6
Bellomo 2002	AUS	inpatients	<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Others 	1,125	16.9	
Bhalla 2003	UK	Outpatients	<ul style="list-style-type: none"> • InternalMedicine • Geriatrics 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	840	10.1	
Bond 2001	USA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Interview 	8,493,876		0.2

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Bordet 2001	FRA	Inpatients	<ul style="list-style-type: none"> • Cardiology 	<ul style="list-style-type: none"> • Voluntary reporting 	16,916	2.0	
Buajordet 1995	NOR	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Voluntary reporting • Others 	3,082	0.7	
Calland 2002	USA	inpatients		<ul style="list-style-type: none"> • Retrospective chart 	6,296	0.37	0.2
Carroll 2003	AUS	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	50,712	9.3	
Carvalho-Filho 1998	BRA	Inpatients	<ul style="list-style-type: none"> • Geriatrics 	<ul style="list-style-type: none"> • Retrospective chart review 	96	43.7	
Chan 2001	AUS	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	240	30.4	16.3
Chaudhry 2003	USA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Voluntary reporting • Direct Observation • Interview 	528		4.2
Chrischilles 2007	USA	Others		<ul style="list-style-type: none"> • Interview 	689	21.9	

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Chyka 2000	USA	Cases of death	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Routine data 	2,312,203	0.3	
Classen 1997	USA	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Computer based alert 	91,574	2.4	
Cohen 2005	USA	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Prospective chart review 	120	26.7	
Conen 2006	CHE	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Retrospective chart review 	639	19.1	
Cooper 1996	USA	Nursing home		<ul style="list-style-type: none"> Prospective chart review Clinical surveillance 	332	65.4	
Corral Baena 2004	ESP	Outpatients and Inpatients		<ul style="list-style-type: none"> Routine data 	32,253	2.2	
Darchy 1999	FRAU	Inpatients	<ul style="list-style-type: none"> ICU 	<ul style="list-style-type: none"> Retrospective chart review 	623	10.9	5.6
Dartnell 1996	AUS	Leading to admission	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Prospective chart review Interview Voluntary reporting 	965	5.7	0.3

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Davis 2001	NZL	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Havard Medical Design 	1,326	17.7	10.7
Davis 2002 Davis 2003	NZL	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Havard Medical Design 	6,579	12.9	4.8
Dennehy 1996	USA	Leading to admission	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Retrospective chart review 	1,260	3.9	2.6
Dormann 2000	DEU	Inpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Computer based alert Voluntary reporting 	379	11.9	
Dormann 2003	DEU	Leading to admission	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Prospective chart review Computer based alert Clinical surveillance 	711	10.9	
dos Santos 2006	BRA	Inpatients	<ul style="list-style-type: none"> Paediatrics 	<ul style="list-style-type: none"> Prospective chart review 	272	12.1	
Doucet 2002	FRAU	Leading to admission	<ul style="list-style-type: none"> Geriatrics 	<ul style="list-style-type: none"> Clinical surveillance 	2,691	15.9	
Dunn 2006	AUS	Inpatients	<ul style="list-style-type: none"> Paediatrics 	<ul style="list-style-type: none"> Retrospective chart review 	1,612	16.6	

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Easton 1998	AUS	Leading to admission	<ul style="list-style-type: none"> • Paediatrics 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	1,682	3.4	1.9
Easton-Carter 2003	AUS	Emergency visits	<ul style="list-style-type: none"> • Paediatric Emergency department 	<ul style="list-style-type: none"> • Interview 	8601	3.3	
Ebbesen 2001	NOR	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Clinical surveillance • Others 	13,992	0.95	
Ehsani 2006	AUS	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	979,834	6.9	
Elder 2004	USA	Outpatients		<ul style="list-style-type: none"> • Interview 	351		5.1
Emmerson 1996	UK + IRL	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Computer based alert 	37,111	9.0	
Fattinger 2000	CHE	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Retrospective chart review 	4,331	11.0	
Fauchais 2006	FRAU	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review 	186	29.6	
Feldman 1997	CAN	Inpatients	<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Prospective chart review • Others 	311	34.1	

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Fordyce 2003	USA	Emergency visits	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Voluntary reporting Interview 	1,935		0.4
Forster 2003	USA	Inpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Retrospective chart review Interview 	400	19.0	5.8
Forster 2004 a	CAN	Inpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Retrospective chart review Interview 	328	23.0	6.4
Forster 2004 b	CAN	Leading to admission	<ul style="list-style-type: none"> Acute care facility 	<ul style="list-style-type: none"> Havard Medical Design 	502	12.7	4.8
Forster 2007	CAN	Emergency visits	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Direct Observation 	399	6.0	4.3
Fradet 1996	FRA	Leading to admission	<ul style="list-style-type: none"> InternalMedicine Gastroenterology 	<ul style="list-style-type: none"> Retrospective chart review 	1,129	7.1	
Gandhi 2000	USA	Outpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Retrospective chart review Interview 	2,248	19.2	
Gandhi 2003	USA	Outpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Retrospective chart review Interview 	661	24.5	3.0
Ganjavi 2007	CAN	Others		<ul style="list-style-type: none"> Voluntary reporting Critical incident reporting Interview 	242	9.9	
Gill 1995	UK	Inpatients	<ul style="list-style-type: none"> Paediatric ICU 	<ul style="list-style-type: none"> Voluntary reporting 	899	7.0	

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Gill 1995	UK	Leading to admission	<ul style="list-style-type: none"> • Paediatric ICU 	<ul style="list-style-type: none"> • Voluntary reporting 	909	1.1	
González-Martin 1998	CHL	Inpatients	<ul style="list-style-type: none"> • Paediatrics 	<ul style="list-style-type: none"> • Prospective chart review 	219	13.7	
Gray 1998	USA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview • Clinical surveillance 	145	15.9	
Gray 1999	USA	Inpatients		<ul style="list-style-type: none"> • Interview 	256	20.3	
Grohskopf 2002	USA + CAN	Inpatients	<ul style="list-style-type: none"> • Paediatric ICU 	<ul style="list-style-type: none"> • Interview 	512	11.9	
Gruen 2006	USA	Inpatients	<ul style="list-style-type: none"> • Trauma surgery 	<ul style="list-style-type: none"> • Retrospective chart review • Interview • Others 	44,401		0.1
Gurwitz 2000	USA	Nursing home		<ul style="list-style-type: none"> • Prospective chart review • Voluntary reporting • Interview 	2,916		9.5
Gurwitz 2005	USA+ CAN	Nursing home		<ul style="list-style-type: none"> • Prospective chart review • Computer based alert • Critical incident reporting 	1,247	38.2	19.8

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Hafner 2002	USA	Leading to admission	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Retrospective chart review 	13,004	1.7	
Hanlon 1997	USA	Outpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Prospective chart review Interview 	167	34.7	
Hardmeier 2004	CHE	Leading to admission	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Prospective chart review 	6,383	11.2	0.4
Hayward 2001	USA	Cases of death		<ul style="list-style-type: none"> Retrospective chart review 	111		6.0
Healy 2002	USA	Inpatients	<ul style="list-style-type: none"> Surgery 	<ul style="list-style-type: none"> Clinical surveillance 	4,658	19.5	
Hendrie 2007	AUS	Emergency visits	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Havard Medical Design 	3,332	3.1	1.7
Herrera-Kiengelher 2005	MEX	Inpatients	<ul style="list-style-type: none"> Pneumology 	<ul style="list-style-type: none"> Havard Medical Design 	4555	9.1	6.8
Hohl 2001	CAN	Leading to admission	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Retrospective chart review 	283	10.6	
Honigman 2001	USA	Outpatients		<ul style="list-style-type: none"> Retrospective chart review Computer based alert 	15,665	0.6	
Ibarmia 2003	ESP	Leading to admission	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Clinical surveillance 	272	23.2	

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Jackson 2006	AUS	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Routine data 	1,645,992	8.3	
Jha 2001	USA	Leading to admission	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Computer based alert Prospective chart review 	3,238	2.3	0.6
Johnston 2006	USA	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Critical Incident reporting Others 	60,206	1.1	0.9
Jonville-Bera 2002	FRA	Leading to admission	<ul style="list-style-type: none"> Paediatric emergency department 	<ul style="list-style-type: none"> Prospective chart review 	428	0.9	
Jonville-Bera 2002	FRA	Leading to admission	<ul style="list-style-type: none"> Paediatrics 	<ul style="list-style-type: none"> Prospective chart review Clinical surveillance Interview 	260	3.8	
Jonville-Bera 2002	FRA	Outpatients	<ul style="list-style-type: none"> Paediatrics 	<ul style="list-style-type: none"> Retrospective chart review 	1,192	0.7	
Juntti-Patinen 2002	FIN	Inpatients	<ul style="list-style-type: none"> All wards 	<ul style="list-style-type: none"> Retrospective chart review 	141,484	0.1	
Kane Gill 2006	USA	Inpatients	<ul style="list-style-type: none"> ICU 	<ul style="list-style-type: none"> Routine data Others 	21,436	0.8	
Kanter 2004	USA	Inpatients		<ul style="list-style-type: none"> Routine data 	66,146	1.2	

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Kessomboon 2005	THA	Others		<ul style="list-style-type: none"> Retrospective chart review 	279	35.1	18.9
Kilbridge 2006	USA	Inpatients		<ul style="list-style-type: none"> Computer based alert 	33,206	3.9	
Lagnaoui 2000	FRA	Inpatients	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Clinical surveillance 	444	26.1	
Larsen 2007	USA	inpatients	<ul style="list-style-type: none"> Paediatric ICU 	<ul style="list-style-type: none"> Retrospective chart review 	259	58.7	33.9
Lecointre 2003	FRA	inpatients	<ul style="list-style-type: none"> Pneumology 	<ul style="list-style-type: none"> Voluntary reporting 	1,598	11.9	4.3
Lu 2006	TWN	Emergency visits	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Retrospective chart review 	45,100		0.1
Madigan 2007	USA	Outpatients	<ul style="list-style-type: none"> Home care 	<ul style="list-style-type: none"> Others 	3,013,287	13.1	
Major 1998	LBN	Leading to admission	<ul style="list-style-type: none"> Paediatrics InternalMedicine 	<ul style="list-style-type: none"> Prospective chart review Interview 	2,202	6.7	
Malhotra 2001	IND	Emergency visits	<ul style="list-style-type: none"> Emergency department 	<ul style="list-style-type: none"> Prospective chart review Interview Clinical surveillance 	4,764	5.9	2.6
Mannesse 1997	NLD	Leading to admission	<ul style="list-style-type: none"> InternalMedicine 	<ul style="list-style-type: none"> Interview Clinical surveillance 	106	41.5	

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Mannheimer 2006	SWE	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	150	30.0	
Martin 2002	ESP	Leading to admission	<ul style="list-style-type: none"> • ICU 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	1,800	4.2	2.1
Martínez-Mir 1996	ESP	Inpatients	<ul style="list-style-type: none"> • Paediatrics 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	490	4.3	
Matsaseng 2005	ZAF	Inpatients	<ul style="list-style-type: none"> • Gynaecology 	<ul style="list-style-type: none"> • Havard Medical Design 	1,866	11.8	6.2
McDonnell 2002	USA	Leading to admission	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Critical incident reporting • Routine data 	20,166	0.7	0.5
Melton 2005	USA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Retrospective chart review • Computer based alert 	57,452	1.1	
Meurer 2006	USA	Inpatients	<ul style="list-style-type: none"> • Paediatrics 	<ul style="list-style-type: none"> • Routine data 	318,785	3.4	
Mezei 1999	CAN	Leading to admission	<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Retrospective chart review • Routine data 	17,638	0.1	
Michel 2004	FRA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine • Surgery • Obstetrics 	<ul style="list-style-type: none"> • Havard Medical Design • Routine data • Others 	778	22.4	9.1

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Mjörndal 2002	SWE	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine • Cardiology • ICU 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	681	12.0	
Moore 1998	FRA	Inpatients	<ul style="list-style-type: none"> • Internalmedicine 	<ul style="list-style-type: none"> • Others 	329	9.4	
Morris 2003	USA	Inpatients	<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Others 	32,100	0.4	
Murff 2003	USA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Retrospective chart review 	424	45.0	
Nelson 1996	USA	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine • ICU 	<ul style="list-style-type: none"> • Prospective chart review • Others 	450	16.2	8.0
O'Hara 1997	AUS	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	1,248,021	5.0	
Olivier 2001	FRA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Clinical surveillance 	671	6.1	
Onder 2002	ITA	Leading to admission	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Prospective chart review • Interview • Clinical surveillance 	28,411	6.0	
Otero López 1999	ESP	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Prospective chart review • Voluntary reporting 	33,975	2.3	1.0
Otero López 2006 a	ESP	Inpatients	<ul style="list-style-type: none"> • InternalMedicine • Gastroenterology 	<ul style="list-style-type: none"> • Prospective chart review • Voluntary reporting 	2,643	7.2	1.4

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
				<ul style="list-style-type: none"> • Routine data 			
Otero López 2006 b	ESP	Inpatients	<ul style="list-style-type: none"> • InternalMedicine • Gastroenterology 	<ul style="list-style-type: none"> • Prospective chart review • Interview • Routine data 	2,643	9.3	5.9
Ouchterlony 1995	SWE	Inpatients	<ul style="list-style-type: none"> • Surgery • Orthopaedics • Anaesthesiology 	<ul style="list-style-type: none"> • Clinical surveillance • Voluntary reporting 	1,361	18.7	
Ouchterlony 1995	SWE	Inpatients	<ul style="list-style-type: none"> • Surgery • Orthopaedics • Anaesthesiology 	<ul style="list-style-type: none"> • Direct Observation 	1,361	47.4	
Passarelli 2005	BRA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	186	61.8	
Peyriere 2003	FRA	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Critical incident reporting 	156	20.5	14.1
Philipps 1998	USA	Cases of death	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	910,138		0.1
Philipps 1998	USA	Cases of death	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	1,212,111		0.3
Piquet 1999	FRA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Voluntary reporting 	240	16.0	
Pirmohamed 2004	UK	Leading to admission	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Clinical surveillance 	18,820	6.5	4.7

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Popli 1997	USA	Inpatients	<ul style="list-style-type: none"> • Psychiatrics 	<ul style="list-style-type: none"> • Retrospective chart review 	10,994	0.3	
Pouyanne 2000	FRA	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Others 	3,137	3.2	
Proctor 2003	CAN	Inpatients	<ul style="list-style-type: none"> • Surgery • Paediatrics • ICU 	<ul style="list-style-type: none"> • Retrospective chart review • Prospective chart review • Clinical surveillance 	64	48.4	32.8
Queneau 2003	FRA	Emergency visits	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Retrospective chart review 	1,937	16.9	14.5
Queneau 2007	FRA	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Clinical surveillance 	1,562	20.8	6.8
Raschetti 1999	ITA	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Prospective chart review • Clinical surveillance 	5,497	4.3	
Rask 2005	USA	Others		<ul style="list-style-type: none"> • Interview 	406	24.4	
Reich 2005	DEU	Outpatients	<ul style="list-style-type: none"> • Dentistry 	<ul style="list-style-type: none"> • Others 	1,540	5.6	

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Rotschild 2005	USA	Inpatients	<ul style="list-style-type: none"> • ICU • Cardiology 	<ul style="list-style-type: none"> • Computer based alert • Direct observation • Voluntary reporting 	391	20.2	
Rozenfeld 2007	BRA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Routine data 	1,898,676	0.2	
Rüden 1996	DEU	Inpatients	<ul style="list-style-type: none"> • Gynaecology • All wards 	<ul style="list-style-type: none"> • Clinical surveillance 	14,966	3.5	
Samoy 2006	CAN	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	565	24.1	17.3
Sanborn 1996	USA	Inpatients	<ul style="list-style-type: none"> • Anaesthesiology 	<ul style="list-style-type: none"> • Prospective chart review • Computer based alert 	5,454	7.6	
Schioler 2001	DNK	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Havard Medical Design 	1,033	11.0	
Schlienger 1999	CHE	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	941	14.6	
Schneeweiss 2002	DEU	Leading to admission	<ul style="list-style-type: none"> • InternalMedicine • Emergency department 	<ul style="list-style-type: none"> • Prospective chart review 	41,375	2.4	
Schneitman-McIntire 1996	USA	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Retrospective chart review • Interview 	62,216	1.7	

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Schnipper 2006	USA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine • General medicine 	<ul style="list-style-type: none"> • Prospective chart review • Interview 	73	16.4	11.0
Smith 2006	USA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Critical incident reporting 	66,331	4.5	
Stäubli 2001	CHE	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Clinical surveillance 	41,994	3.5	
Tafreshi 1999	USA	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Interview 	253	28.1	19.8
Tegeuder 1999	DEU	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Retrospective chart review • Computer based alert 	294	5.8	
The French Prevalence Survey Study Group 2000	FRA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Clinical surveillance 	236,334	6.7	
Thomas 2000	USA	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Havard Medical Design 	14,700	2.9	
Tipping 2006	ZAF	Emergency visits	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Clinical surveillance 	517	20.1	

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
Trifiro 2005	ITA	Leading to admission	<ul style="list-style-type: none"> • Emergency department 	<ul style="list-style-type: none"> • Prospective chart review • Interview • Clinical surveillance 	18,854	3.3	
van den Bemt 1999	NLD	Inpatients	<ul style="list-style-type: none"> • Paediatrics • Internalmedicine 	<ul style="list-style-type: none"> • Voluntary reporting • Interview 	620	28.9	
Vargas 2003	ESP	Inpatients	<ul style="list-style-type: none"> • Surgery • ICU 	<ul style="list-style-type: none"> • Prospective chart review 	401	9.2	
Veehof 1999	NLD	Ambulant	<ul style="list-style-type: none"> • General medicine 	<ul style="list-style-type: none"> • Retrospective chart review 	2,185	8.9	
Vincent 2001	UK	Inpatients	<ul style="list-style-type: none"> • InternalMedicine • obstetrics • Surgery 	<ul style="list-style-type: none"> • Havard Medical Design 	1,014	10.8	5.1
Vira 2006	CAN	Inpatients	<ul style="list-style-type: none"> • All wards 	<ul style="list-style-type: none"> • Others 	60		6.7
Wanzel 2000	CAN	Inpatients	<ul style="list-style-type: none"> • Surgery 	<ul style="list-style-type: none"> • Prospective chart review • Direct Observation • Interview 	192	39.0	
Weingart 2004	USA	Inpatients	<ul style="list-style-type: none"> • InternalMedicine 	<ul style="list-style-type: none"> • Prospective chart review • Critical incident 	209	5.3	1.4

Study	Country	Population	Setting	Study Design	Sample (n)	Patients with AE (%)	Patients with PAE (%)
				reporting • Interview			
Weingart 2005	USA	Inpatients	• InternalMedicine	• Interview	228	7.5	5.3
Weiss 2002	DEU	Inpatients	• Paediatrics	• Prospective chart review • Voluntary reporting	214	21.5	
Wilson 1995	AUS	Inpatients	• All wards	• Havard Medical Design	14,179	16.6	8.5
Wolff 2001	AUS	Inpatients	• All wards	• Havard Medical Design • Critical incident reporting	49,834	0.8	
Zoppi 2000	CHE	Inpatients	• InternalMedicine	• Clinical surveillance	48,005	0.1	