

Appendices

Outcome after out-of-hospital ventricular fibrillation or pulseless ventricular tachycardia: comparison of before and after the implementation of the 2010 Guidelines in a single centre

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Appendix 1: Search strategy

Out-of-hospital cardiac arrest [MeSH]

*epidemiology

*mortality

*therapy

*complications

*rehabilitation

Cardiopulmonary resuscitation [MeSH]

*adverse effects

*epidemiology

*mortality

*therapy

*trends

Full PubMed Search Builder:

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((("Out-of-Hospital Cardiac Arrest/complications"[Mesh] OR "Out-of-Hospital Cardiac Arrest/epidemiology"[Mesh] OR "Out-of-Hospital Cardiac Arrest/mortality"[Mesh] OR "Out-of-Hospital Cardiac Arrest/rehabilitation"[Mesh] OR "Out-of-Hospital Cardiac Arrest/therapy"[Mesh] )) OR ( "Cardiopulmonary Resuscitation/adverse effects"[Mesh] OR "Cardiopulmonary Resuscitation/epidemiology"[Mesh] OR "Cardiopulmonary Resuscitation/mortality"[Mesh] OR "Cardiopulmonary Resuscitation/therapy"[Mesh] OR "Cardiopulmonary Resuscitation/trends"[Mesh] )
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Filters active:

English

German

Clinical Study

Comparative Study

Meta-Analysis

Multicentre Study

Observational Study

Research Support, Non-U.S. Gov't

Review

Systematic Review

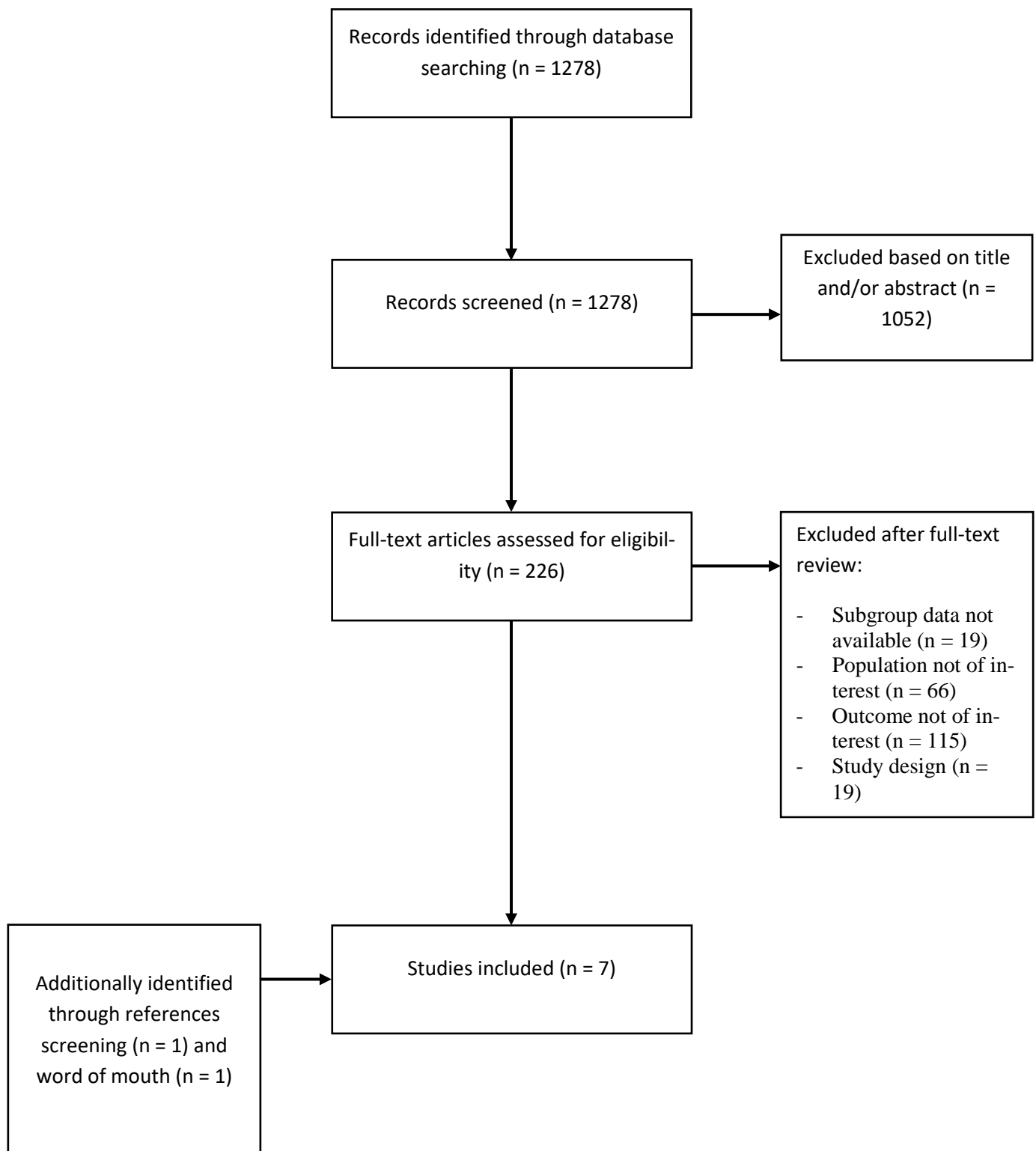
Humans

Female

Male

This search revealed a total of 1278 results (last search: April 2018).

Appendix 2: Prisma flow diagram



Appendix 3: Systematic review summary protocol

Objective	
Primary study question/objective	To perform a systematic review on the short- and long-term outcome of OHCA, meaning survival and CPC score
Studies to include	
Study design	Observational studies
Population	All adults having suffered OHCA, if possible fulfilling all Utstein comparators (cardiac aetiology, bystander-witnessed, shockable rhythm)
Interventions and Comparator	N/A
Outcomes	OHCA survival and CPC at discharge, OHCA survival and CPC at 1 year post-arrest
Other specific inclusion/exclusion criteria	<p>Study duration and country: No limits</p> <p>Sample size: Studies with a sample size of less than 1000 patients were excluded</p> <p>Studies with other than cardiac causes of OHCA, paediatric studies, and IHCA studies were excluded</p> <p>Study design: Case reports, commentaries, letters to the editor, duplicates and conference abstracts were excluded</p>
Publication information	
Language and search timeframe	English and German language, Jan 2000 to April 2018
Databases	PubMed Jan 2000 to April 2018
Overview of Information extracted	
Study information	The first authors' last name, year of publication, title of study, study design, country/region, setting, population studied, inclusion/exclusion criteria, time-scale, follow-up period, and type of outcomes reported (survival, neurologic outcome or both)
Baseline data	Study group sample size
Data to be extracted	<p>Data on OHCA survival at discharge (in Wissenberg et al.'s study, survival at 30 d instead of discharge) and 1 year</p> <p>Data on OHCA neurologic outcome (CPC) at discharge and 1 year</p>
OHCA = out-of-hospital cardiac arrest; IHCA = in-hospital cardiac arrest; CPC = cerebral performance category	

Appendix 4: Quality assessment of included cohort studies using the Newcastle-Ottawa scale

First author, year	Selection				Comparability		Outcome			Total quality score
	Representativeness of exposed cohort	Selection of non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Adjust for age	Adjust for other factors	Assessment of outcome	Follow-up length	Loss to follow-up rate	
Mauri et al. 2015	1	1	1	0	0	0	1	1	1	6
Nürnbergger et al. 2013	1	1	1	0	0	0	1	1	1	6
McNally et al. 2011	1	1	1	0	0	0	1	1	1	6
Wissenberg et al. 2013	1	1	1	1	1	1	1	1	1	9
Phelps et al. 2013	1	1	1	0	1	1	1	1	0	7
Lindner et al. 2011	1	1	1	0	1	1	1	1	1	8
Debaty et al. 2017	1	1	1	0	1	1	1	1	0	7