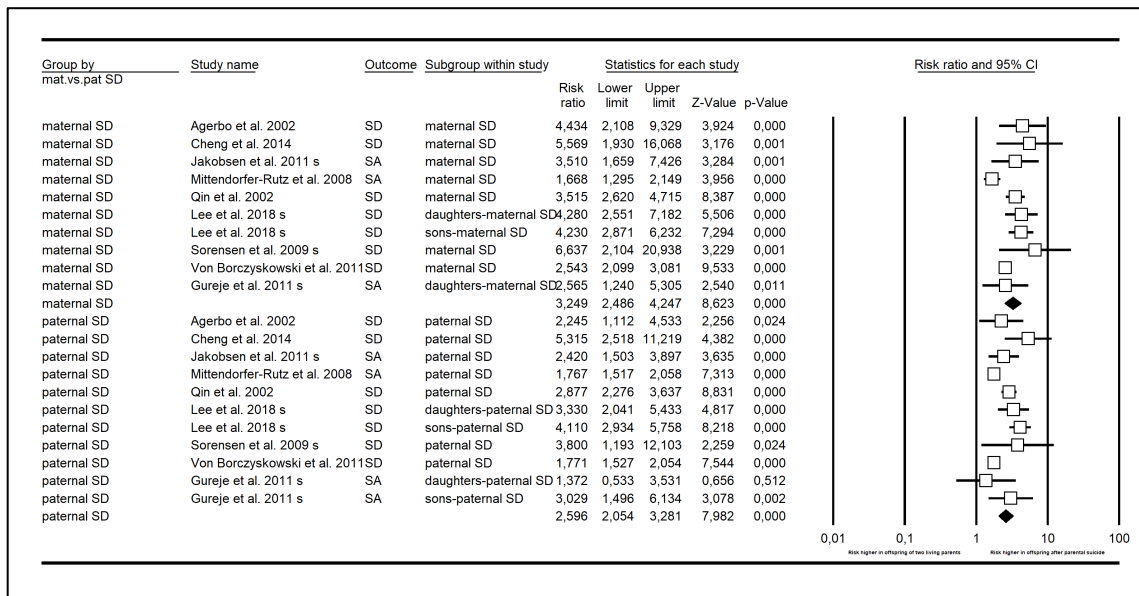
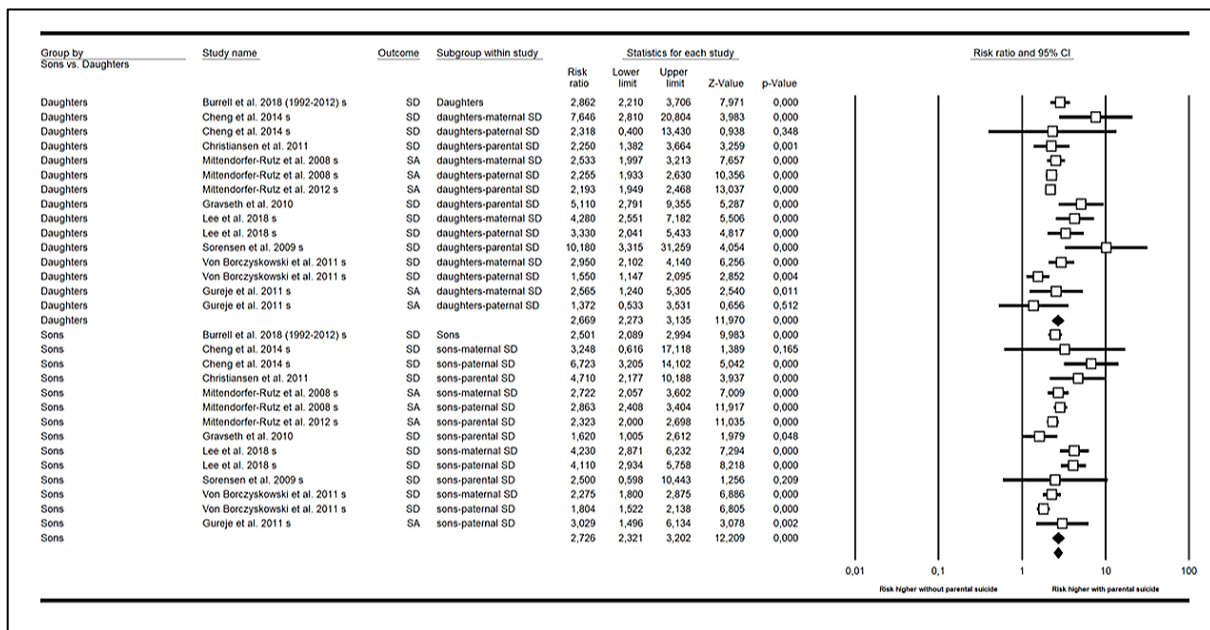


Online Supplement

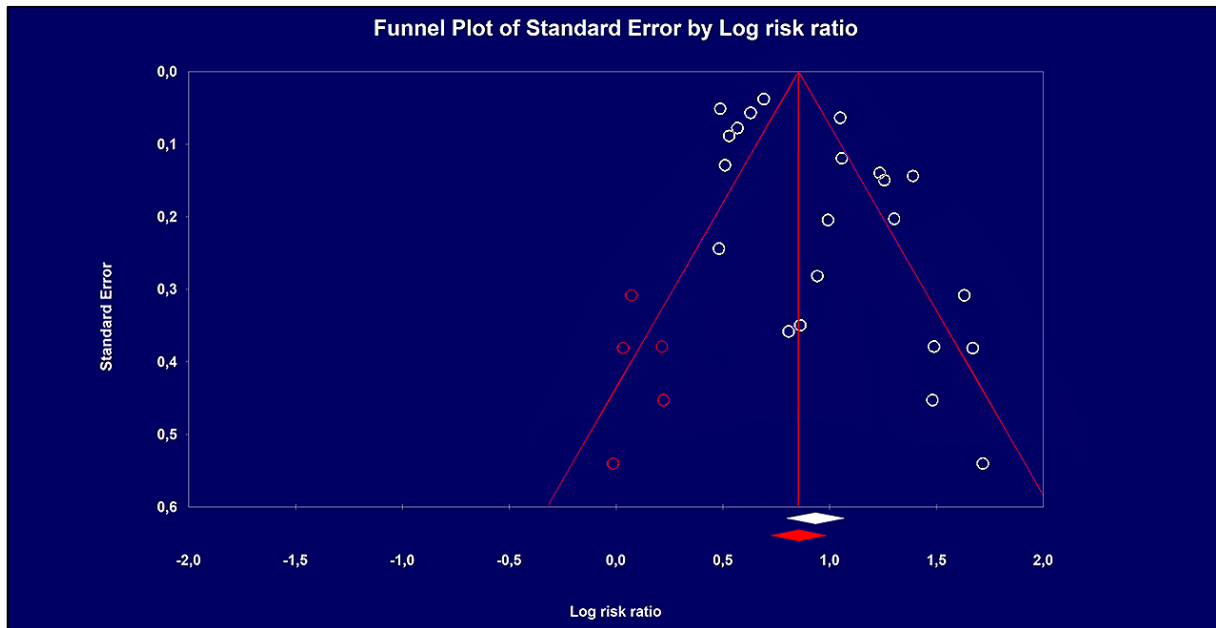


eFigure 1: Subgroup analysis for gender of deceased parent. Risk for suicide attempt (SA) and suicide death (SD) in offspring who experienced parental death through other causes than suicide compared to offspring of two living parents. CI=confidence interval.

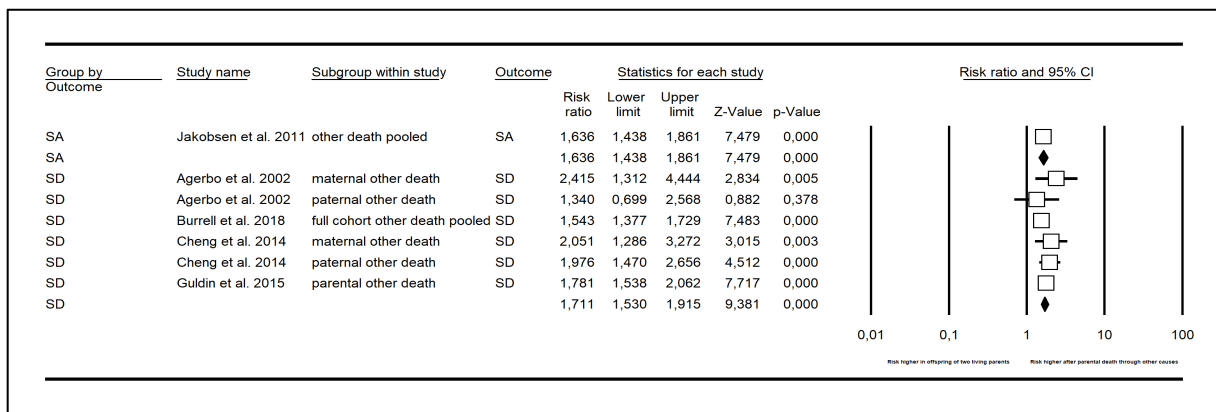


eFigure 2: Subgroup analysis for gender of offspring. Risk for suicide attempt (SA) and suicide death (SD) in offspring who experienced parental death through other causes than suicide compared to offspring of two living parents. CI=confidence interval.

Supplement eFigure 3: Funnel Plot of Primary Outcome Analysis



Supplement eFigure 4 – Funnel Plot of Primary Outcome Analysis; Log odds ratio > 0 indicates higher risk for suicidal behavior with exposure to parental suicide



eFigure 4 – Forest Plot: Risk for suicide attempt (SA) and suicide death (SD) in offspring who experienced parental death through other causes than suicide compared to offspring of two living parents. CI=confidence interval.

eSupplement: Explicit Search Entry

Pubmed:

(offspring*[Title/Abstract] OR "Child of Impaired Parents"[Mesh] OR parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract] OR "Bereavement"[Mesh]) AND ("Suicide"[Mesh] OR "Suicide, Attempted"[Mesh] OR "Suicide, Completed"[Mesh])

restrict to 2011-present: 1214 results

(offspring*[Title/Abstract] OR "Child of Impaired Parents"[Mesh] OR parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract] OR "Bereavement"[Mesh]) AND ("Suicide"[Majr] OR "Suicide, Attempted"[Majr] OR "Suicide, Completed"[Majr])

restrict to 2011-present: 959 results

((child*[Title/Abstract] OR adolescent*[Title/Abstract] OR „young adults“[Title/Abstract] OR offspring*[Title/Abstract]) AND (parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract])) OR "Child of Impaired Parents"[Mesh]) AND ("Suicide"[Majr] OR "Suicide, Attempted"[Majr] OR "Suicide, Completed"[Majr])

restrict to 2011-present: 550 results -> without restriction: 1257

Embase

Search Number	Search	Results
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1	((offspring* or "Child of Impaired Parents" or parent* or mother* or father* or maternal* or paternal* or "Bereavement exp") and ("Suicide exp" or "Suicide, Attempted exp" or "Suicide, Completed exp")).ab.	0
2	((offspring* or "Child of Impaired Parents" or parent* or mother* or father* or maternal* or paternal* or 'Bereavement' exp) and 'Suicide' exp).ab.	0
3	exp "child of impaired parents"/	378
4	((parent* or mother* or father* or maternal* or paternal*).ab. or (parent* or mother* or father* or maternal* or paternal*).ti.) and (parent* or mother* or father* or maternal* or paternal*).kw.	68251
5	(child* or adolescent* or 'young adults' or offspring*).ab. or (child* or adolescent* or 'young adults' or offspring*).ti. or (child* or adolescent* or 'young adults' or offspring*).kw.	2177453
6	(parent* or mother* or father* or maternal* or paternal*).ab. or (parent* or mother* or father* or maternal* or paternal*).ti. or (parent* or mother* or father* or maternal* or paternal*).kw.	1040105
7	5 and 6	415402
8	exp 'suicide'/'	58765
9	3 or 7	415459
10	8 and 9	1392
11	limit 10 to yr="2011 -Current"	669

Link selection to:

PsycINFO

Search ID#	Search Terms	Search Options	Results
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S11	S1 AND S9	Limiters - Publication Year: 2011-2019 Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	483
S10	S1 AND S9	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	1,443
S9	S3 OR S7	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	268,505
S8	(S4 AND S5) AND (S3 OR S7)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	267,613
S7	S4 AND S5	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	267,613
S6	(AB (parent* or mother* or father* or maternal* or paternal*) OR TI (parent* or mother* or father* or maternal* or paternal*) OR KW (parent* or mother* or father* or maternal* or paternal*)) AND (S4 AND S5)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	267,613

S5	AB (parent* or mother* or father* or maternal* or paternal*) OR TI (parent* or mother* or father* or maternal* or paternal*) OR KW (parent* or mother* or father* or maternal* or paternal*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	376,796
S4	AB (child* or adolescent* or 'young adults' or offspring*) OR TI (child* or adolescent* or 'young adults' or offspring*) OR KW (child* or adolescent* or 'young adults' or offspring*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	866,456
S3	MA child of impaired parents	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	3,507
S2	MA child of impared parents	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	0
S1	MJ suicide	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	31,826

Add-On Search 03.02.2020

Search ID#	Search Terms	Search Options	Actions
S14	S1 AND S13	Expanders - Apply equivalent subjects	1,450

		Search modes - Boolean/Phrase	
S13	S2 OR S12	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	269,459
S12	S9 AND S10	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	268,567
S11	(TI (child* or adolescent* or 'young adults' or offspring*) OR AB (child* or adolescent* or 'young adults' or offspring*) OR KW (child* or adolescent* or 'young adults' or offspring*)) AND (S9 AND S10)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	268,567
S10	TI (child* or adolescent* or 'young adults' or offspring*) OR AB (child* or adolescent* or 'young adults' or offspring*) OR KW (child* or adolescent* or 'young adults' or offspring*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	869,184
S9	TI (parent* or mother* or father* or maternal* or paternal*) OR AB (parent* or mother* or father* or maternal* or paternal*) OR KW (parent* or mother* or father* or maternal* or paternal*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	378,069
S8	TI (child* or adolescent* or 'young adults' or offspring*) OR AB (child* or adolescent* or 'young adults' or offspring*) AND KW (child* or adolescent* or 'young adults' or offspring*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	538,463
S7	S1 AND S6	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	204

S6	S2 OR S5	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	41,737
S5	S3 AND S4	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	39,196
S4	TI (parent* or mother* or father* or maternal* or paternal*) AND AB (parent* or mother* or father* or maternal* or paternal*) AND KW (parent* or mother* or father* or maternal* or paternal*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	108,349
S3	TI (child* or adolescent* or 'young adults' or offspring*) AND AB (child* or adolescent* or 'young adults' or offspring*) AND KW (child* or adolescent* or 'young adults' or offspring*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	248,866
S2	MA child of impaired parents	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	3,509
S1	MJ suicide	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	31,928

Embase 03.02.2020

1398 Results without time-restriction

Pubmed 03.02.2020

1259 Results without time-restriction

Alternative Pubmed: without Major → Mesh

((child*[Title/Abstract] OR adolescent*[Title/Abstract] OR „young adults“[Title/Abstract] OR offspring*[Title/Abstract]) AND (parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract])) OR "Child of Impaired Parents"[Mesh]) AND ("Suicide"[Mesh] OR "Suicide, Attempted"[Mesh] OR "Suicide, Completed"[Mesh])

1730 Results

((child*[Other Term] OR adolescent*[Other Term] OR „young adults“[Other Term] OR offspring*[Other Term] OR child*[Title/Abstract] OR adolescent*[Title/Abstract] OR „young adults“[Title/Abstract] OR offspring*[Title/Abstract]) AND (parent*[Other Term] OR mother*[Other Term] OR father*[Other Term] OR maternal*[Other Term] OR paternal*[Other Term] OR parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract])) OR "Child of Impaired Parents"[Mesh]) AND ("Suicide"[Mesh] OR "Suicide, Attempted"[Mesh] OR "Suicide, Completed"[Mesh])

1730 Results

((child*[Other Term] OR adolescent*[Other Term] OR „young adults“[Other Term] OR offspring*[Other Term] OR „young people“[Other Term] OR child*[Title/Abstract] OR adolescent*[Title/Abstract] OR „young adults“[Title/Abstract] OR offspring*[Title/Abstract] OR „young people“[Title/Abstract]) AND (parent*[Other Term] OR mother*[Other Term] OR father*[Other Term] OR maternal*[Other Term] OR paternal*[Other Term] OR parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract])) OR "Child of Impaired Parents"[Mesh]) AND ("Suicide"[Mesh] OR "Suicide, Attempted"[Mesh] OR "Suicide, Completed"[Mesh])

1752 Results (add-on_alt1)

(((child*[Other Term] OR adolescent*[Other Term] OR „young adults“[Other Term] OR offspring*[Other Term] OR „young people“[Other Term] OR child*[Title/Abstract] OR adolescent*[Title/Abstract] OR „young adults“[Title/Abstract] OR offspring*[Title/Abstract] OR “young people”[Title/Abstract]) AND (parent*[Other Term] OR mother*[Other Term] OR father*[Other Term] OR maternal*[Other Term] OR paternal*[Other Term] OR parent*[Title/Abstract] OR mother*[Title/Abstract] OR father*[Title/Abstract] OR maternal*[Title/Abstract] OR paternal*[Title/Abstract])) OR "Child of Impaired Parents"[Mesh]) AND ("Suicide"[Majr] OR "Suicide, Attempted"[Majr] OR "Suicide, Completed"[Majr])

1278 Results (add-on_alt2)