**Methods used to meta-analyse results from interrupted time series studies: A methodological systematic review protocol**

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**Appendix 1- Search strategy**

**Search terms for MEDLINE (Ovid)**

1. Interrupted Time Series Analysis/
2. interrupted time series.mp.
3. (time series or time trend$ or trend analys?s).mp.
4. (change point or repeated measures or phase design or multiple baseline$ or difference-in-difference$ or single case research or single case experimental).mp.
5. (arima or integrated moving average or piecewise regression or segmented regression).mp.
6. or/1-5
7. (Systematic Review or Meta-analysis).pt. or (meta-analys?s or pooled analys?s).ti,ab,kw.
8. and/6-7
9. limit 8 to (abstracts and english language and yr=”2000-Current”)†

**Search terms for Embase (Ovid)**

1. exp Time Series Analysis/
2. interrupted time series.mp.
3. (time series or time trend$ or trend analys?s).mp.
4. (change point or repeated measures or phase design or multiple baseline$ or difference-in-difference$ or single case research or single case experimental).mp.
5. (arima or integrated moving average or piecewise regression or segmented regression).mp.
6. or/1-5
7. “systematic review”/ or exp meta analysis/ or (meta-analys?s or pooled analys?s).ti,ab,kw.
8. and/6-7
9. limit 8 to (abstracts and english language and yr=”2000-Current)†

**Search terms for EconLit (EBSCOhost)**

S1. "interrupted time series"

S2. "time series” or “time trend\*” or “trend analys?s"

S3. "change point" or "repeated measures" or "phase design" or "multiple baseline\*" or "difference-in-difference\*" or "single case research" or "single case experimental"

S4. "arima" or "autoregressive integrated moving average" or "integrated moving

average" or "piecewise regression" or "segmented regression"

S5. "meta-analys\*s" or "pooled analys\*s" or "systematic review"

S6. S1 OR S2 OR S3 OR S4

S7. (S1 OR S2 OR S3 OR S4) AND (S5)

S8. Limit to academic journals and english language and published date:20000101-20191231†

**Search terms for Campbell Systematic Reviews**

<https://onlinelibrary.wiley.com/search/advanced>

1. "interrupted time series" OR "time trend" OR "trend analys\*s " OR “ time series" OR "change point” OR "repeated measures" OR "phase design" OR "multiple baseline\*" OR "difference in difference\*" OR "single case research" OR "single case experimental" OR “arima” OR "integrated moving average\*" OR "piecewise regression" OR "segmented regression"
2. anywhere published in "Campbell Systematic Reviews"
3. Since 2000†

**Search terms for 3ie**

<https://www.3ieimpact.org/evidence-hub/systematic-review-repository>

1. “time series”
2. limit to 3ie funded†

**Search terms for PsycINFO (Ovid)**

1. Time Series/
2. interrupted time series.mp.
3. (time series or time trend$ or trend analys?s).mp.
4. (change point or repeated measures or phase design or multiple baseline$ or difference-in-difference$ or single case research or single case experimental).mp.
5. (arima or integrated moving average or piecewise regression or segmented regression).mp.
6. or/1-5
7. (systematic review or meta analysis).md. or (meta-analys?s or pooled analys?s).ti,ab.
8. and/6-7
9. limit 8 to (abstracts and english language and yr=”2000-Current)†

**Search terms for ERIC (ProQuest)**

1. noft( ( "interrupted time series" ) OR ( "time trend" ) OR ( "trend analys?s" ) OR ( "time series" ) ) AND noft( ( "meta-analys?s" ) OR ( "pooled analys?s" ) OR ( "systematic review" ) )
2. limit to ERIC Journals only, English language
3. after 01 January 2000†

**Search terms for Cochrane Database of Systematic Reviews Excel file that includes Table of Included Studies**

1. \*ITS\*
2. \*nterrupted ?ime\*
3. \*nterrupted trend\*
4. \*time series\*‡

† search conducted on 11 Oct 2019

‡ search conducted on 9 Aug 2019