

Design characteristics and statistical methods used in interrupted time series studies evaluating public health interventions: protocol for a review

Additional File 1: Data Extraction items.

Item	Study Level
	<standard items such as author, title, journal etc.>
1	Why was an ITS study design/analysis chosen?
2	Type of intervention
3	Date/time of intervention(s)
4	Longer description of intervention
5	Number of study observations
6	Study observation notes
7	Main software used
8	Additional software used
9	Software details
10	Were there sample size calculations?
11	Sample size calculation details

	Outcome Level
12	Outcome selection hierarchy
13	Further details of outcome selection
14	Any details about subpopulation
15	At the individual level, what was the outcome?
16	What type of outcome is this?
17	Any further individual level details?
18	Text description of group level outcome
19	What type of outcome is this?
20	Any further group level details?
21	Was this outcome standardised?
22	Any standardisation details?
23	Type of time interval
24	Any details on time interval?
25	Was there any evidence of model pre-specification
26	Any details of the pre-specification
27	Was the intervention time pre-specified?
28	Any further intervention time details
29	Was a delay from intervention to its impact mentioned?
30	Was there a search for the time of impact?
31	What was/were the time(s) of impact?
32	Details of how delayed impact was dealt with
33	What general shape is the model?
34	Further notes on the shape of the model
35	Statistical model used
36	Further details of the statistical model

37	Is there any evidence of checking for model fit?
38	Details of checking for model fit
39	Details on parameterisation
40	Were there any additional analyses?
41	Details of further analyses
42	What presentation was used for results
43	Was a graph included
44	Is data from other groups available?
45	If other data was supplied please attach here
46	Please take a screenshot and attach the image of the graph here
47	Was autocorrelation mentioned
48	How was autocorrelation detected
49	How was autocorrelation handled
50	What was the estimate of autocorrelation parameter rho
51	Any further details on autocorrelation
52	Was seasonality mentioned
53	How was seasonality detected
54	How was seasonality modelled
55	Any further details on seasonality
56	Was non-stationarity mentioned
57	Which test was used to detect non-stationarity
58	Any further details on non-stationarity
59	Were outliers mentioned
60	What method was used to handle outliers
61	Any further details on outliers
62	Was there a control group
63	How was the control group incorporated?
64	Was there any forecasting

	Effect measures
65	Effect measure
66	Further details on effect measure
67	Metric
68	Numeric value of effect measure
69	Lower confidence interval
70	Upper confidence interval
71	Standard deviation
72	p-value
73	Notes on the effect measure
74	Was there any mention of a ceiling/floor effect
75	Details of the ceiling/floor effect

	Segments
76	Segment number
77	Segment description
78	What type of time interval is used in this segment
79	Is the timing of the segment clearly defined
80	How many intervals are in the segment
81	How many observations are in the segment
82	Please summarise any further segment details...