Supplementary Online Content


**eFigure.** Data extraction form.

**eTable.** Reported differences in odd ratios for esotropia and exotropia.

This supplementary material has been provided by the authors to give readers additional information about their work.
# Data Extraction Form

**Tracking Information:**

| Title of study: |  |
| Author: |  |
| Reviewing: |  |

## 1. Study Design

- [ ] Randomised trial (experiment)
- [ ] Retrospective cohort study
- [ ] Individual
- [ ] Group
- [ ] Non-randomised “trial” (with ≥1 comp group)
- [ ] Case control Study
- [ ] Individual
- [ ] Group
- [ ] Times series study
- [ ] Before-after study
- [ ] Prospective Cohort study
- [ ] Cross-sectional study
- [ ] Other designs with concurrent comparison groups
- [ ] Non-Comparative study
- [ ] Other Specify: ______________________________________________________________________

## 2. Intervention Components

- [ ] Provision of information only
- [ ] General
- [ ] High-risk group
- [ ] Professional Group
- [ ] Behavioural intervention
- [ ] General
- [ ] High-risk group
- [ ] Professional Group
- [ ] Environmental intervention
- [ ] Physical environment
- [ ] Social environment
- [ ] Legislation/Regulation/Enforcement
- [ ] Clinical
- [ ] Public health or medical care system intervention
- [ ] Other Specify: ______________________________________________________________________
- [ ] This paper doesn’t evaluate an intervention.

## 2b. Was the intervention part of a larger intervention effort?

- [ ] Yes
- [ ] No

## 3. Primary Outcome Measure(s)

- [ ] Behaviour Describe: ___________________________________________________________________
- [ ] Other intermediate or mediating outcome Describe: ___________________________________________________________________
- [ ] Non-fatal health effect Describe: ___________________________________________________________________
- [ ] Severity of illness/injury Describe: ___________________________________________________________________
- [ ] Death Describe: ___________________________________________________________________
- [ ] Surrogate Outcome Describe: ___________________________________________________________________
- [ ] Genetic/Concordance/Inheritance Pattern Describe: ___________________________________________________________________
A. Description of the Intervention or collection details

1. What:
2. Theory described?
   - Yes   Describe: ________________________________
   - No
3. Type of organisation (check all that apply)
   - Managed care organisation
   - Other clinical organisation
   - Academic organisation
   - Community based organisation
   - Other
4. Intervention for a comparison or control group(s):
   - No comparison group
   - No intervention for comparison group (purposefully or inadvertently)
   - Intervention applied to comparison group Describe: ________________________________

B. Evaluation Study Characteristics

5. Location:
   - UK/US ________________________________
   - Other Industrialised ________________________________
   - Developing ________________________________
6. Population density (check all that apply)
- Urban
- Suburban
- Rural
- Mixed
- Not reported

7. Setting (Check all that apply)
- Hospital
- Clinic or Health-Care provide office
- Nursing home
- Child day care facility
- Drug Treatment facility
- Mental health setting
- Community based organisation
- School
- workplace
- religious institution
- Home
- Prison
- street
- shelter
- Community wide

8. How were outcomes and other independent (or predictor) variables measured?
- Observation
- Interview
- Self-administered
- Laboratory Test
- Record review
- Other
- Not report/Assessed

- Describe:

- Describe:

- Describe:

- Describe:

- Describe:

- Describe:

9. Where were outcome(s) measured?
- Same as intervention
- Other Specify:

10. Time period and intervals outcome(s) measured:


Person (Study Population)

11a. Eligibility Criteria: Describe

11b. Levels of allocation, observation, and analysis: description and numbers of groups and individuals and methods of sampling. (See instructions for sampling codes to enter in columns headed “Samp. From original tool)

<table>
<thead>
<tr>
<th>Description of groups or individuals N=Sampling frame</th>
<th>Allocation</th>
<th>Observation</th>
<th>Number analysed/Total number of Pedigrees</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Intervention (Monozygotic/Probands)</td>
<td>Comparison (Dizygotic/Relatives)</td>
<td>Intervention</td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>Samp</td>
<td>n</td>
</tr>
<tr>
<td>Groups 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individuals</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For designs using follow-up of the study pop, calculate the completion rate(s) for the study pop: ______ %

12. Assessment of exposure to the intervention. Provide the definition of each exposure variable and the level of exposure in the space provided for each.

- Resource utilisation: Describe: ____________________________________________________________
- Observation: Describe: _________________________________________________________________
- Interview: Describe: ________________________________________________________________
- Self admin Quest: Describe: ____________________________________________________________

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13 Study Population demographics:

<table>
<thead>
<tr>
<th></th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Pvalue/CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Sex - %</td>
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<tr>
<td>Race %</td>
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<tr>
<td>Ethnicity %</td>
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<td></td>
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<tr>
<td>Socioeconomic status</td>
<td></td>
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</tr>
<tr>
<td>Low/Middle/upper</td>
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<tr>
<td>Other pop</td>
<td></td>
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</tr>
<tr>
<td>demographic and risk</td>
<td></td>
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<td></td>
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<tr>
<td>factors characteristics:</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

14. “Ultimately affected” population described or outcomes reported?
   ☐ Yes (go to Q15) ☐ No (go to Q18)

15. Number of groups in the “ultimately affected” population? _____________

16. Number and description of members in each group: __________________________

______________________________

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17. “ultimately affected” pop. Demographics

<table>
<thead>
<tr>
<th></th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Pvalue/CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td></td>
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<tr>
<td>Sex - %</td>
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<tr>
<td>Race %</td>
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<tr>
<td>Ethnicity %</td>
<td></td>
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<tr>
<td>Socioecomic status</td>
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<tr>
<td>Low/Middle/upper</td>
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<td></td>
</tr>
<tr>
<td>Other pop demographic and risk factors characteristics:</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
C. Results

18a. Primary Study Results Risk Factor Studies.

<table>
<thead>
<tr>
<th>Outcome measure (list from Part 1/Q10 and describe effect measure in no. row)</th>
<th>Effect size reported by Authors</th>
<th>Software used, hypothesis testing, P values, CI etc</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Studies with pre-post measurements</td>
<td>Studies with multiple measurements over time</td>
</tr>
<tr>
<td></td>
<td>Pre</td>
<td>Post</td>
</tr>
</tbody>
</table>

1. Intervention Arm 1
   Intervention Arm 2
   Comparison Group 1
   Comparison Group 2

2. Intervention Arm 1
   Intervention Arm 2
   Comparison Group 1
   Comparison Group 2

3. Intervention Arm 1
   Intervention Arm 2
   Comparison Group 1
   Comparison Group 2

18b. Primary Study Results, Other Studies

<table>
<thead>
<tr>
<th>Study Type (Twins/Pedigree studies)</th>
<th>Subjects (Affected Monozygotic, Affected relatives)</th>
<th>Control (Affected Dizygotic, unaffected relatives)</th>
<th>Genes tested/ Inheritance patterns Tested</th>
<th>Significant findings</th>
</tr>
</thead>
</table>
19. Power calculation, other statistical analysis, or citation?
   □ Yes   □ no; was sample size sufficient? (justification):

20. Secondary results   □ Yes   □ Not reported

If yes specify:

D. Feasibility and Other Key issues addressed in the Paper

21   □ Cost
     □ potential harms
     □ Other benefits
     □ Implementation
     □ Barriers to Implementation
     □ Community acceptance or involvement
     □ Formation or use of existing coalitions to develop, implement, or evaluate interventions
     □ ethical constraints
     □ Other Describe
     □ Not discussed

22 Other important information:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

23 Relevant Ref:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
eTable showing reported differences in odd ratios for esotropia and exotropia

<table>
<thead>
<tr>
<th>Risk Factor</th>
<th>Esotropia OR (95% CI)</th>
<th>Exotropia OR (95% CI)</th>
<th>Difference (p)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking throughout Pregnancy (25)</td>
<td>1.8 (1.1-2.8)</td>
<td>1.4 (0.6-3.1)</td>
<td>-</td>
</tr>
<tr>
<td>Sibling Affected (29)</td>
<td>3.3 (1.4-8.9)</td>
<td>4.1 (0.5-33)</td>
<td>-</td>
</tr>
<tr>
<td>Head Circumference (21)</td>
<td>1.42 (1.13-1.79)</td>
<td>1.08 (0.60-1.93)</td>
<td>0.17</td>
</tr>
<tr>
<td>Neonatal septicaemia (21)</td>
<td>1.48 (1.02-2.15)</td>
<td>1.29 (0.47-1.93)</td>
<td>0.81</td>
</tr>
<tr>
<td>Caesarean delivery (21)</td>
<td>1.06 (0.91-1.25)</td>
<td>1.65 (1.16-2.34)</td>
<td>0.03</td>
</tr>
<tr>
<td>Birth Weight &lt;3000 (21)</td>
<td>1.64 (1.48-2.57)</td>
<td>1.34 (0.64-2.92)</td>
<td>0.73</td>
</tr>
<tr>
<td>Gestational age 33-36 weeks (21)</td>
<td>1.39 (1.07-1.81)</td>
<td>0.70 (0.32-1.53)</td>
<td>0.16</td>
</tr>
<tr>
<td>Congenital Abnormalities (21)</td>
<td>3.20 (2.12-4.85)</td>
<td>10.7 (5.19-19.6)</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

- Value not reported