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
☐ Prospective Cohort study ☐ Times series study
☐ Other designs with concurrent comparison groups ☐ Before-after study
☐ Other Specify:

☐ Non-Comparative study

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:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

How:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Who:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Where:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Other:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

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 ____________________________

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6. Population density (check all that apply)

☐ Urban   ☐ Suburban   ☐ Rural   ☐ Mixed   ☐ Not reported

7. Setting (Check all that apply)

☐ Hospital       ☐ Mental health setting       ☐ Home
☐ Clinic or Health-Care provide office ☐ Community based organisation ☐ Prison
☐ Nursing home   ☐ School                   ☐ street
☐ Child day care facility ☐ workplace               ☐ shelter
☐ Drug Treatment facility ☐ religious institution ☐ Community wide

8. How were outcomes and other independent (or predictor) variables measured?

☐ Observation Describe:______________________________________________________________

☐ Interview Describe:_______________________________________________________________

☐ Self-administered Describe:________________________________________________________
   Questionnaire

☐ Laboratory Test Describe:___________________________________________________________

☐ Record review Describe:____________________________________________________________

☐ Other Describe:___________________________________________________________________

☐ Not report/Assessed

9. Where were outcome(s) measured?

☐ Same as intervention ☐ Other Specify:________________________________________________

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

________________________________________________________________________________

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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</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></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>
<td></td>
</tr>
<tr>
<td>Sex - %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Race %</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Ethnicity %</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Socioeconomic status</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Low/Middle/upper</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Other pop demographic and risk factors characteristics:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<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: ____________________________
17. “ultimately affected” pop. Demographics

<table>
<thead>
<tr>
<th>Age</th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Group:</th>
<th>Pvalue/CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex - %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Race %</td>
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<tr>
<td>Ethnicity %</td>
<td></td>
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<tr>
<td>Socioeconomic status</td>
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<tr>
<td>Low/Middle/upper</td>
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</tr>
<tr>
<td>Other pop demographic and risk factors characteristics:</td>
<td></td>
<td></td>
<td></td>
<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>
<tr>
<td>1</td>
<td>Intervention Arm 1</td>
<td>Intervention Arm 2</td>
</tr>
<tr>
<td>2</td>
<td>Intervention Arm 1</td>
<td>Intervention Arm 2</td>
</tr>
<tr>
<td>3</td>
<td>Intervention Arm 1</td>
<td>Intervention Arm 2</td>
</tr>
</tbody>
</table>

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>

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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:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

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### 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</td>
<td>1.8 (1.1-2.8)</td>
<td>1.4 (0.6-3.1)</td>
<td>-</td>
</tr>
<tr>
<td>Sibling Affected</td>
<td>3.3 (1.4-8.9)</td>
<td>4.1 (0.5-33)</td>
<td>-</td>
</tr>
<tr>
<td>Head Circumference</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</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</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</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</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</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