SUPPLEMENTARY FILES

**Table 6.** Quality criteria for cohort studies (Newcastle Ottawa criteria)17

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Fastbom *et al.*,** **199820** | **Billioti de Gage *et al.*,** | **Chen *et al.*,** |
|  | **201219** | **201226** |
| **Selection** |  |  |  |
| 1) Representativeness of the exposed cohort |  |  |  |
| a) truly representative of the average (describe) in the community★ |  | ★ |  |
| b) somewhat representative of the average in the community★ | ★ |  |  |
| c) selected group of users *e.g.* nurses, volunteers |  |  | Selection bias |
| d) no description of the derivation of the cohort |  |  |  |
| 2) Selection of the non exposed cohort |  |  |  |
| a) drawn from the same community as the exposed cohort★ | ★ | ★ | ★ |
| b) drawn from a different source |  |  |  |
| c) no description of the derivation of the non exposed cohort |  |  |  |
| 3) Ascertainment of exposure |  |  |  |
| a) secure record (*e.g.* surgical records)★ |  |  |  |
| b) structured interview ★ | ★ | ★ |  |
| c) written self report  |  |  | Medical record |
| d) no description |  |  |  |
| 4) Demonstration that outcome of interest was not present at start of study |  |  |  |
| a) yes ★ | ★ | ★ | ★ |
| b) no |  |  |  |
| **Comparability (of cohorts on the basis of the design or analysis)** |  |  |  |
| a) study controls for (select the most important factor: age)★ | ★ | ★ | ★ |
| b) study controls for any additional factor (this criteria could be modified to indicate specific control for a second important factor)★ | Depression not considered | ★ | Educational level not considered |
| **Outcome** |  |  |  |
| 1) Assessment of outcome |  |  |  |
| a) independent blind assessment★ | ★ | ★ |  |
| b) record linkage★ |  |  | ★ |
| c) self report |  |  |  |
| d) no description |  |  |  |
| 2) Was follow-up long enough for outcomes to occur |  |  |  |
| a) yes (select an adequate follow-up period for outcome of interest)★ | No: 3 years | Yes: 15 years ★ | No: 3 years |
| b) no |  |  |  |
| 3) Adequacy of follow up of cohorts |  |  |  |
| a) complete-follow up all subjects accounted for ★ |  |  | ★ |
| b) subjects lost to follow-up unlikely to introduce bias-small number lost ->% (select an adequate%) follow-up, or description provided of those lost)★ |  |  |  |
| c) follow-up rate <% (select an adequate%) and no description of those lost | 45% dead or lost? |  |  |
| d) no statement | No description | No statement |  |
| **Total** ★**/9** | **6** | **8** | **5** |

**Table 7.** Quality criteria for case-control studies (Newcastle Ottawa criteria)17

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Lagnaoui *et al.*,** **200221** | **Lagnaoui *et al.*,** **200922** | **Wu *et al.*,** **200923** | **Wu *et al.*,** **201124** | **Gallacher *et al.*,****201134** | **Billioti de Gage *et al.*, 201219** | **Billioti de Gage *et al.*, 201427** |
| **Selection** |  |  |  |  |  |  |  |
| 1) Is the case definition adequate? |  |  |  |  |  |  |  |
| a) yes, with independent validation ★ | ★ | ★ |  |  | ★ | ★ |  |
| b) yes, e.g. record linkage or based on self reports |  |  | Record linkage | Record linkage |  |  | Record linkage |
| c) no description |  |  |  |  |  |  |  |
| 2) Representativeness of the cases |  |  |  |  |  |  |  |
| a) consecutive or obviously representative series of cases ★ | ★ | Lack of representativeness | ★ | ★ |  | ★ | ★ |
| b) potential for selection biases or not stated |  |  |  |  | Selection bias |  |  |
| 3) Selection of Controls |  |  |  |  |  |  |  |
| a) community controls ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ |
| b) hospital controls |  |  |  |  |  |  |  |
| c) no description |  |  |  |  |  |  |  |
| 4) Definition of controls |  |  |  |  |  |  |  |
| a) no history of disease (endpoint) ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ |
| b) no description of source |  |  |  |  |  |  |  |
| **Comparability (of cases and controls on the basis of the design or analysis)** |  |  |  |  |  |  |  |
| a) study controls for (select the most important factor : age) ★ | ★ | ★ |  ★ |  ★ | ★ | ★ | ★ |
| b) study controls for any additional factor (this criteria could be modified to indicate specific control for a second important factor)★ | ★ | Depression not considered | Educational level not considered | Educational level not considered | ★ | ★ | Educational level not considered |
| **Exposure** |  |  |  |  |  |  |  |
| 1) Ascertainment of exposure |  |  |  |  |  |  |  |
| a) secure record (e.g. surgical records) ★ |  |  |  |  |  |  |  |
| b) structured interview where blind to case/control status ★ | ★ |  |  |  |  | ★ |  |
| c) interview not blinded to case/control status |  |  |  |  |  |  |  |
| d) written self report or medical record only |  | Medical record | Medical record | Medical record |  |  | Medical record |
| e) no description |  |  |  |  | No description |  |  |
| 2) Same method of ascertainment for cases and controls |  |  |  |  |  |  |  |
| a) yes ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ |
| b) no |  |  |  |  |  |  |  |
| 3) Non-response rate |  |  |  |  |  |  |  |
| a) same rate for both groups ★ |  |  | ★ | ★  |  | ★ | ★ |
| b) non respondents described |  | No description |  |  |  |  |  |
| c) rate different and no designation | No description |  |  |  | No description |  |  |
| **Total** ★**/ 9** | **8** | **5** | **6** | **6** | **6**  | **9** | **6** |