|  |  |
| --- | --- |
| **Experimental studies - Randomized Controlled Trial (badanie eksperymentalne - losowe badanie kontrolowane)** | |
| **Explanation, additional information** | **Content of the lecture** |
| **Rodzaje badań eksperymentalnych**  *Types of experimental studies* | **Experimental studies**   * Randomized controlled trials (RCT) * Cluster randomized control trials * Field trials * Community trials |
| **Schemat badania eksperymentalnego**  *Diagram of the experimental study*  **Schemat losowego badania kontrolowanego**  *Diagram of the RCT* | time  inquiry  Effects  Treated  No effects  ill  Effect  Control (placebo)  No effect      Population studied  Inclusion criteria  Failed with inclusion criteria  Potencial participant  Recruitment  Participants  Non-participants  Control group  Treatment group |
| **Wynik losowego badania kontrolowanego**  *Results of RTC*  **Wady i zalety losowego badania kontrolowanego**  *Advantages and disadvantages of randomized controlled trials* | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | | Disease | | total | | Present | Absent | | Exposure | Present | a | b | a+b | | Absent | c | d | c+d | | total | | a+c | b+d | a+b+c+d |   **RR (risk ratio)= RE/Rc**  RE-risk in the exposed group (a/a+b)  Rc- risk in the not exposed group (c/c+d)  ARR- absolute risk reduction (Rc- RE)  NNT- Number Needed to Treat (1/ARR)  RR- relative risk (Rt-Rc)  RR- relative risk reduction (1-RR)\*100%  **Advantages (positives):**  ill   * Allow to compare between controlled group and treated group     **Disadvantages (negatives):**   * Ethic problems * Execution of RCT is very expensive * RCT examine a single type of therapeutic intervention   Source: http://www.viamedica.pl/sharedFiles/ojs/kp/ptk2012/dn/dn/4395.htm |

**VOCABULARY**

Cluster randomized control trials-

Community trial-

Field trials- próby terenowe

Randomized controlled trials (RCT)- losowe badanie kontrolowane

Relative risk- ryzyko względne