|  |
| --- |
| **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* | timeinquiryEffectsTreatedNo effectsillEffectControl (placebo)No effect  Population studiedInclusion criteriaFailed with inclusion criteriaPotencial participantRecruitmentParticipantsNon-participantsControl groupTreatment 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