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| **Testing Artcat sample sizes for non-inferiority trials on the odds ratio scale, ologit(AA) (Stata) versus the results from Dani (R-program)** |

*Original testing: Validation (sample size)*

| **Trial** | **Outcome** |  | **Parameters (α two-sided)** | | **Dani result**  **2n** | | **Artcat code** | **Artcat result**  **2n** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-inferiority | Binary |  | | p = 0.01, d = 1.33, α = 5%, β = 20% | 38,994 | artcat, pc(0.01) or(1) margin(1.33) alpha(0.05) power(.8) ologit(AA) noprobtable unfav | | 38,994 |
| Non-inferiority | Binary |  | | p = 0.1, d = 2, α = 10%, β = 10% | 794 | artcat, pc(0.1) or(1) margin(2) alpha(0.1) power(.9) ologit(AA) noprobtable unfav | | 793 |
| Non-inferiority | Binary |  | | p = 0.05, d = 0.5, α = 5%, β = 10% | 1842 | artcat, pc(0.05) or(1) margin(0.5) alpha(0.05) power(.9) ologit(AA) noprobtable fav | | 1842 |
| Non-inferiority | Binary |  | | p = 0.04, d = 1.5, α = 5%, β = 20% | 4974 | artcat, pc(0.04) or(1) margin(1.5) alpha(0.05) power(.8) ologit(AA) noprobtable unfav | | 4974 |
| Non-inferiority | Binary |  | | p = 0.8, d = 0.05, α = 5%, β = 5% | 38 | artcat, pc(0.8) or(1) margin(0.05) alpha(0.05) power(.95) ologit(AA) noprobtable fav | | 37 |