

Cumulative pregnancy (PG) rate per embryo transfer (ET)

- Calculation of cumulative pregnancy rate per embryo transfer (ET) considers cycles where ET is performed (fresh cycles – IVF, ICSI, IVF/ICSI, as well as thawing cycles).
- Calculation is performed according to the following rules:
 1. **Cycle (fresh or thawing) is ART1, ART2 or ART3**, depending whether it is first, second or third attempt to get pregnant; fourth, fifth or later attempts are not considered.
 2. Cycle has **positive outcome** if it ends with clinical pregnancy (PG). Cycle with positive outcome contributes to the final sum of achieved PG with 1:
 - if cycle is ART1 cycle (first attempt), ART1_PG is increased by 1
 - if cycle is ART2 cycle (second attempt), ART2_PG is increased by 1
 - if cycle is ART3 cycle (third attempt), ART3_PG is increased by 1.
 3. Cycle has **negative outcome** if it does not end with clinical pregnancy (PG). Cycle with negative outcome contributes to the final sum of achieved PG with 0.
 4. **After achieving “ongoing” pregnancy** in a certain cycle (no matter whether it is first, second or third attempt), **next cycle with ET** (if exists, and no matter if it is fresh or thawing cycle) **will be considered as next ART1 cycle** – first attempt to again get pregnant (to get next child).

! **Important:** it is not checked whether the child is actually born or not, but only if the PG is “ongoing”.
 5. If **pregnancy** in a certain cycle is **not achieved at all, or it is interrupted for any reason** (not “ongoing” pregnancy), the **next cycle with ET** (if exists, and no matter if it is fresh or thawing cycle) **will be considered as next try to get pregnant**: if cycle is ART1 (first attempt), next cycle will be considered as ART2 (second attempt); if cycle is ART2 (second attempt), next cycle will be considered as ART3 (third attempt); if cycle is already ART3 (third attempt), **calculation stops** (as mentioned, fourth, fifth or later attempts are not considered).

! **Important:** not only first three cycles of a couple are used for calculation of cumulative PG rate, but all cycles with ET (in certain time-range) which represent first, second or third attempts to get pregnant (one couple can have several ART1, ART2 or ART3, depending on the number of children they have/are willing to have).

Cumulative rates:

$$Rate\ 1 = \frac{ART1_PG}{ART1_transfer} \cdot 100\%$$

$$Rate\ 2 = \frac{ART1_PG + ART2_PG}{ART1_transfer} \cdot 100\%$$

$$Rate\ 3 = \frac{ART1_PG + ART2_PG + ART3_PG}{ART1_transfer} \cdot 100\%$$

ART1 – first attempts to get pregnant

- ART1_transfer – total number of ET in all first attempts to get pregnant
- **ART1_PG** – total number of PG achieved in all first attempts

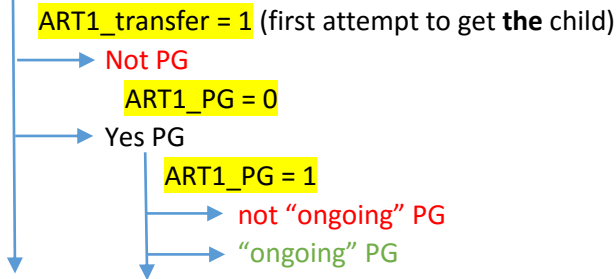
ART2 – second attempts to get pregnant

- ART2_transfer – total number of ET in all second attempts to get pregnant
- **ART2_PG** – total number of PG achieved in all second attempts

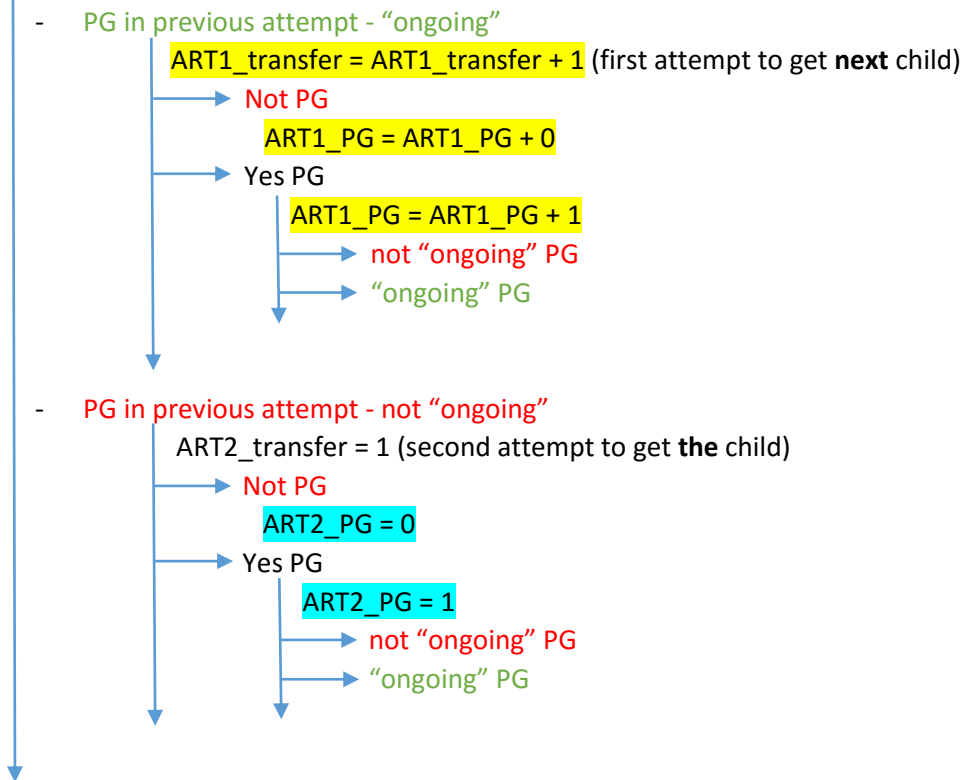
ART3 – third attempts to get pregnant

- ART3_transfer – total number of ET in all third attempts to get pregnant
- **ART3_PG** – total number of PG achieved in all third attempts

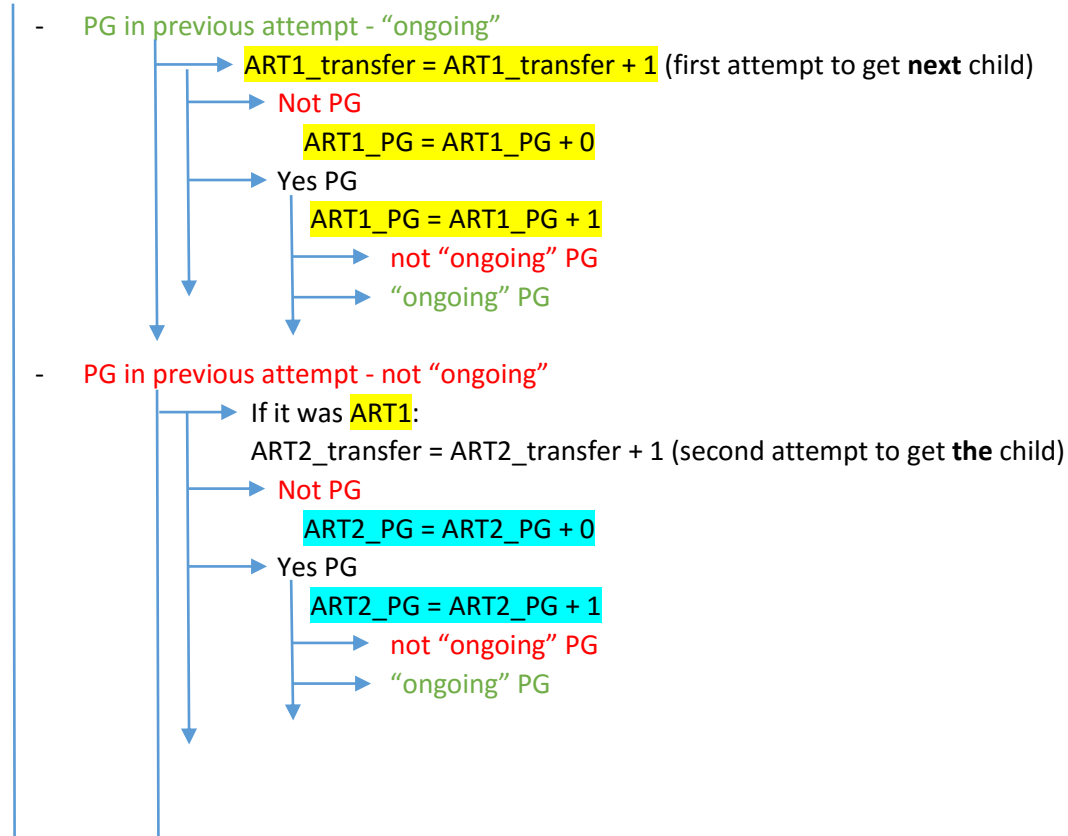
1. ET performed

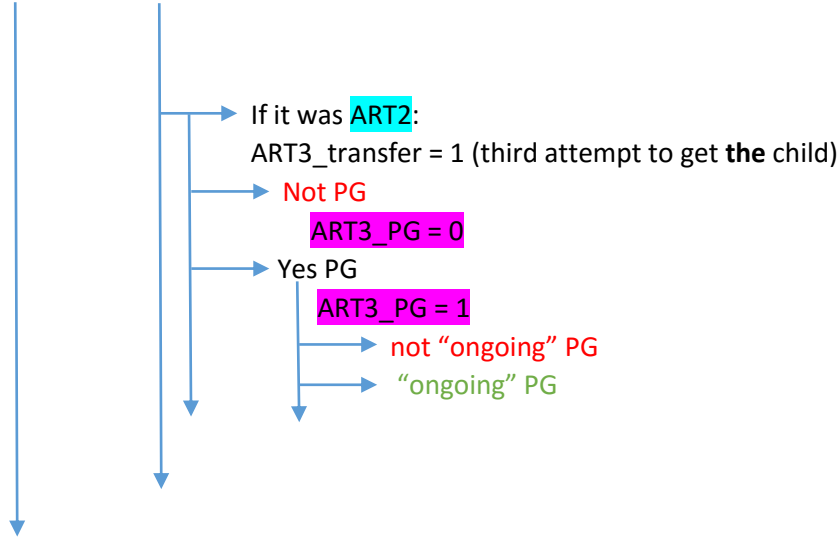


2. ET performed



3. ET is done





4. ET performed

