

### 2.2.3 DMS derived variables

The derived variables are calculated by the DMS software for each individual case based on the information provided on core and non-core variables.

Variable	Description
byear	Baby: Year of birth
bunknown	Baby: Year of birth not known
ddyear	Baby: Year of death
dsyear	Baby: Year of discovery
dayear	Mother's year of birth
death_age	Create age at death in days from the baby's date of birth and date of death
computed_mult_malf	Provisional identification of multiple malformed cases according to EUROCAT's multiple malformation algorithm (see Chapter 3.4)
mult_malf	Identification of multiply malformed cases according to EUROCAT's multiple malformation algorithm (after revision of the multiples) (see Chapter 3.4)
mult_malf_confirmed	Binary variable identifying confirmed multiple malformed cases
tot_malf	Total number of valid codes reported, non-zero, non-blank and at least one letter and two digits (ICD10). This variable counts for each individual case all the valid ICD10 codes, whether they correspond to a major congenital malformation or not.
tot_minor	Total number of minor malformations (see chapter 3.2)
birth_type*	Definitions of stillbirths and spontaneous abortions vary between regions. This variable recodes birth type according to EUROCAT's specifications: cases with gestational age <20 weeks are re-coded as spontaneous abortions, cases with gestational age >=20 weeks are re-coded as "stillbirths" (irrespective of the local definition of stillbirth/spontaneous abortion).
casestatus*	0 = case with only minor malformations (see Chapter 3.2) or with only non-authorized out-of-chapter codes.  1 = case with an ICD10 code specified in EUROCAT's congenital anomaly subgroups (see chapter 3.3).
al1 to al131	Binary variables identifying the cases that belongs to the EUROCAT subgroups: (0 = No, 1 = Yes). Based on EUROCAT coding (Chapter 3.3 of this Guide)

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\* EUROCAT cases follow the criteria: [casestatus=1 and birth\_type=1, 2 or 4]