Old Acute Leukaemia transformed from MDS or MDS/MPN
The WHO definitions of Acute leukaemia are to be completely adhered to and this includes MDS or MDS/MPN transformed to AML. The WHO label for this is **AML with myelodysplasia related changes** (page 124 of the WHO classification book on haematopoietic tumours) and it includes AML where an MDS or an MDS/MPN has been diagnosed beforehand. Until now, users were asked to register these transformed cases with MDS or MDS/MPN as the Main Diagnosis - code 6.

When the WHO definition is implemented next week, users should instead register the main diagnosis as AML (Main diagnosis – code 1). The coding of existing registrations will be converted.

For the data entry, this is what we are intending to do:
1. User selects **Acute leukaemia** as main diagnosis
2. User selects **AML with myelodysplasia related changes** as AML subclassification
3. User is asked whether there had been a previous diagnosis of MDS or MDS/MPN.
a. If no, navigation proceeds as per AML
b. If yes, user is asked for date of the MDS or MDS/MPN
    a. User is asked for the diagnosis and stage of the MDS or MDS/MPN
    b. User is asked for the data corresponding to the form they are using (Med-A or Med-B) for the MDS or MDS/MPN diagnosis (cytogenetics and molecular markers at diagnosis, 1st line treatment up to the date of transformation)
    c. Navigation <u>reverts back</u> to the AML diagnosis and the standard Med-A or Med-B Day 0 is finalised.

The current sub-classification code **5** (**AML w myelodysplasia related changes (w/o previous MDS or MPS/MDS)**) will be converted to a new code **9** for "**AML with myelodysplasia related changes".**

Old Secondary AML
Until now, the Acute myelodisplastic leukaemia secondary to a previous treatment was being registered by asking whether the leukaemia was of "Secondary origin" once the leukaemia had been registered. According to the WHO classification, this type of leukaemia goes under the heading of **Therapy-related myeloid neoplasms**, and it will now be a code within the AML classification itself.

For the data entry, this is what we are intending to do:
1. User selects **Acute leukaemia** as main diagnosis
2. User selects **Therapy-related myeloid neoplasm**
a. For Med-B, the navigation will follow the MDS form as usual.

A new code **23** for the **Therapy-related myeloid neoplasms** will be shown in ProMISe.