

# DPR Database implementation details for CPR Broker

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## Database views

Database object name	Name in code	Usage
DTTOTAL	PersonTotal	Most citizen data
DTPERSBO	PersonAddress	Danish address for people
DTNAVNE	PersonName	Person name
DTBOERN	Child	Retrieving person children
DTSTAT	Nationality	Retrieving person nationality
DTSEPARATION	Separation	Detecting separation of married people

## Assumptions

The implementation code takes some decisions based on a few assumptions. This section describes these decisions.

### Address

People without an active address will have no address returned in the result. An active address is identified as the record in DTPERSBO that has ANNKOR(CorrectionMarker) = null and has the largest value for TILFDTO(AddressStartDate).

### AddressAccessType

This is filled from DTPERSBO

### AddressPostalType

This is filled from DTPERSBO (PersonAddress)

- CountryIdentificationCode: will always have CountryIdentificationCodeType=imk, and Value=5100. This means all addresses are Danish, because there seems no foreign addresses in the DTPERSBO(PersonAddress) table
- StreetName is exactly the same as StreetNameForAddressingName, both come from DTPERSBO(PersonAddress).VEJADNVN(StreetAddressingName).

- DistrictSubdivisionIdentifier, MailDeliverySublocationIdentifier, PostOfficeBoxIdentifier will always be null.

## CprBorgerType

- FolkekirkeMedlemIndikator will be true if DTTOTAL.FKIRK is F or f
- AdresseNoteTekst will always be null
- FolkeregisterAdresse will have value if there is a valid record in DTPERSBO (PersonAddress). This is true even if the latest address is no longer active (as is the case for dead citizens)

The result will take the value from the latest valid address record. A valid address record is one that has its ANNKOR (CorrectionMarker) = null

- ForskerBeskyttelseIndikator will be true if DTTOTAL.LBMRK(DirectoryProtectionMarker) is '1', false otherwise.
- PersonNationalityCode will have value if there is a valid record in DTSTAT (Nationality). This is true even if the latest nationality is no longer active.
- PersonNummerGyldighedStatusIndikator: False if DTTOTAL.STATUS is 30,50,60. True if status is 1,3,5,7,20,70,80,90. Exception is thrown otherwise.
- NavneAdresseBeskyttelseIndikator: True if DTTOTAL.ABMRK (AddressProtectionMarker) is '1', false otherwise.
- FolkekirkeMedlemIndikator: True if DTTOTAL.FKIRK(ChristianMark) is 'F', false otherwise.
- TelefonNummerBeskyttelseIndikator will always be null.

## RelationListeType

- Fader will have value if the column DTTOTAL.FAR (Father) has a value that can be translated into a CPR number. The field DTTOTAL.FARMRK has no effect. The same applies for Moder/MOR/MORMRK.
- Sometimes, the person is registered in DTCIV as divorced ('F') – or widows ('E'), but without an earlier record that specifies the marriage period (with status 'G'). In this case, the person will have a relationship in Aegtefaelle(Spouses) with an end date that comes from the 'divorce' start date, but without a start date (as we have no way of telling when the person got married).

The same applies for registered partnerships, but with different flags.

## CivilStatusType

- Married/partnered people (DTTOTAL.CIVST = 'G' or 'P') are returned as separated when there is an active separation record in DTSEPARATION. An active record is identified as having ANNKOR = null and SLUTDATE <>null.
- If marital status is single, the effect start date will be null.

Shall we use the birth date as the start date in this case?

- Dead people will always be returned as Ugift(Single).

## Nationality

Only the currently active nationality is taken into account. This is true for CprBorgerType and UdenlandskBorgerType. An active nationality is taken from table DTSTAT and identified by having both ANNKOR(CorrectionMarker) and HAENSLUT(NationalityEndDate) equal to null.

A person with no active nationality is considered stateless, will be returned as CprBorgerType with PersonNationalityCode as null (if AlwaysReturnCprBorgerType option is set to true), or returned as UkendtBorgerType otherwise.