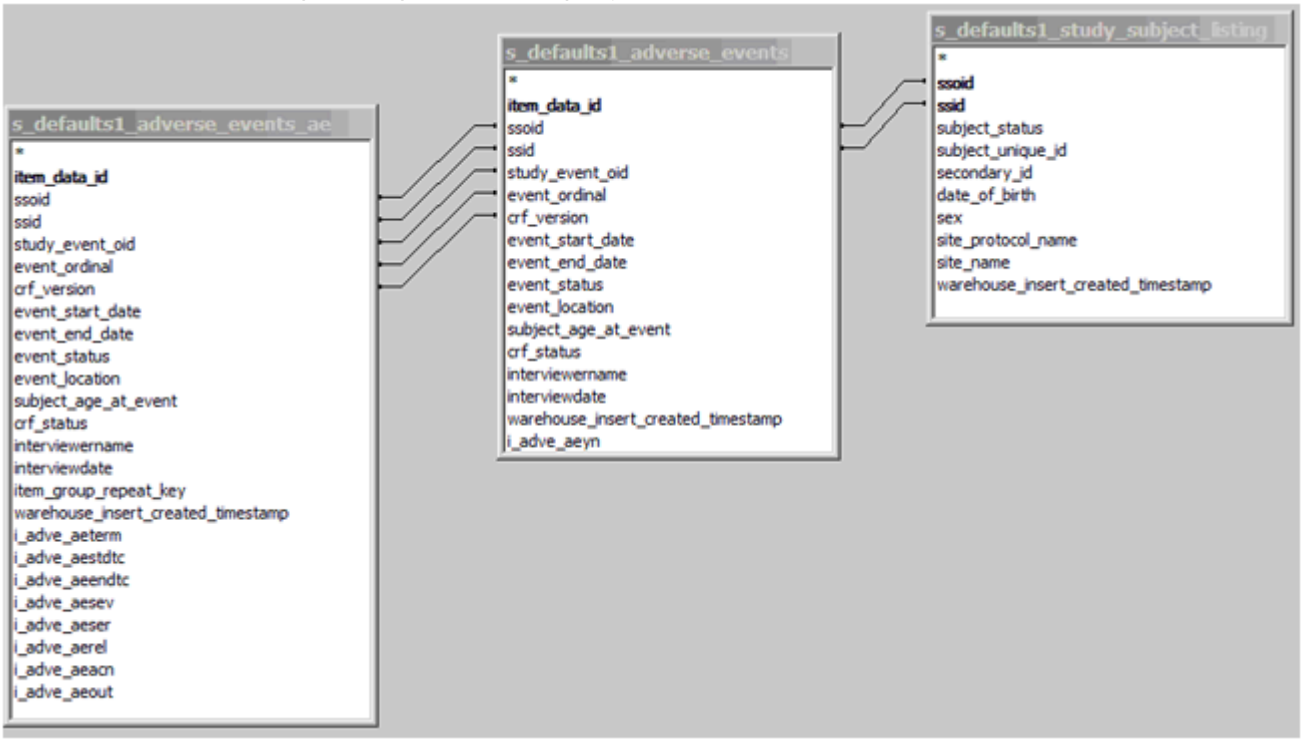
13.5.5 SQL Joins for Related Tables

CRF Table Relationships (Graphical Example from MS Access):



Each row in each CRF table and grouped Item table relates to a particular Study Subject, uniquely identified by Study Subject ID and Study Subject OID. Each CRF table in the Data Mart can be joined to the study_subject_listing table on ssid and ssoid. Each Item in a group of repeating Items is related to the CRF by the Study Subject ID, Study Subject OID, Study Event OID, Event Ordinal, and CRF Version. The WHERE clause in the following SELECT statement reflects these joins. When querying data from the database, use WHERE clauses of this form. SELECT ssl.ssid, ae_ungr.event_start_date, ssl.date_of_birth, ae_ungr.i_adve_aeyn_label, ae_grouped.i_adve_aeterm, ae_grouped.i_adve_aesev FROM r01_123456_1_docetaxel_534_items.study_subject_listing ssl, r01_123456_1_docetaxel_534_items.adverse_events ae_ungr, r01_123456_1_docetaxel_534_items.adverse_events_ae ae_grouped WHERE ssl.ssoid = ae_ungr.ssoid and ssl.ssid = ae_ungr.ssid and ae_ungr.ssoid = ae_grouped.ssoid and ae_ungr.ssid = ae_grouped.ssid and ae_ungr.study_event_oid = ae_grouped.study_event_oid and ae_ungr.event_ordinal = ae_grouped.event_ordinal and ae_ungr.crf_version = ae_grouped.crf_version;

Functional approval by Kate Lambert. Signed on 2025-11-14 9:35AM

Approved for publication by Cal Collins. Signed on 2025-11-14 11:17AM