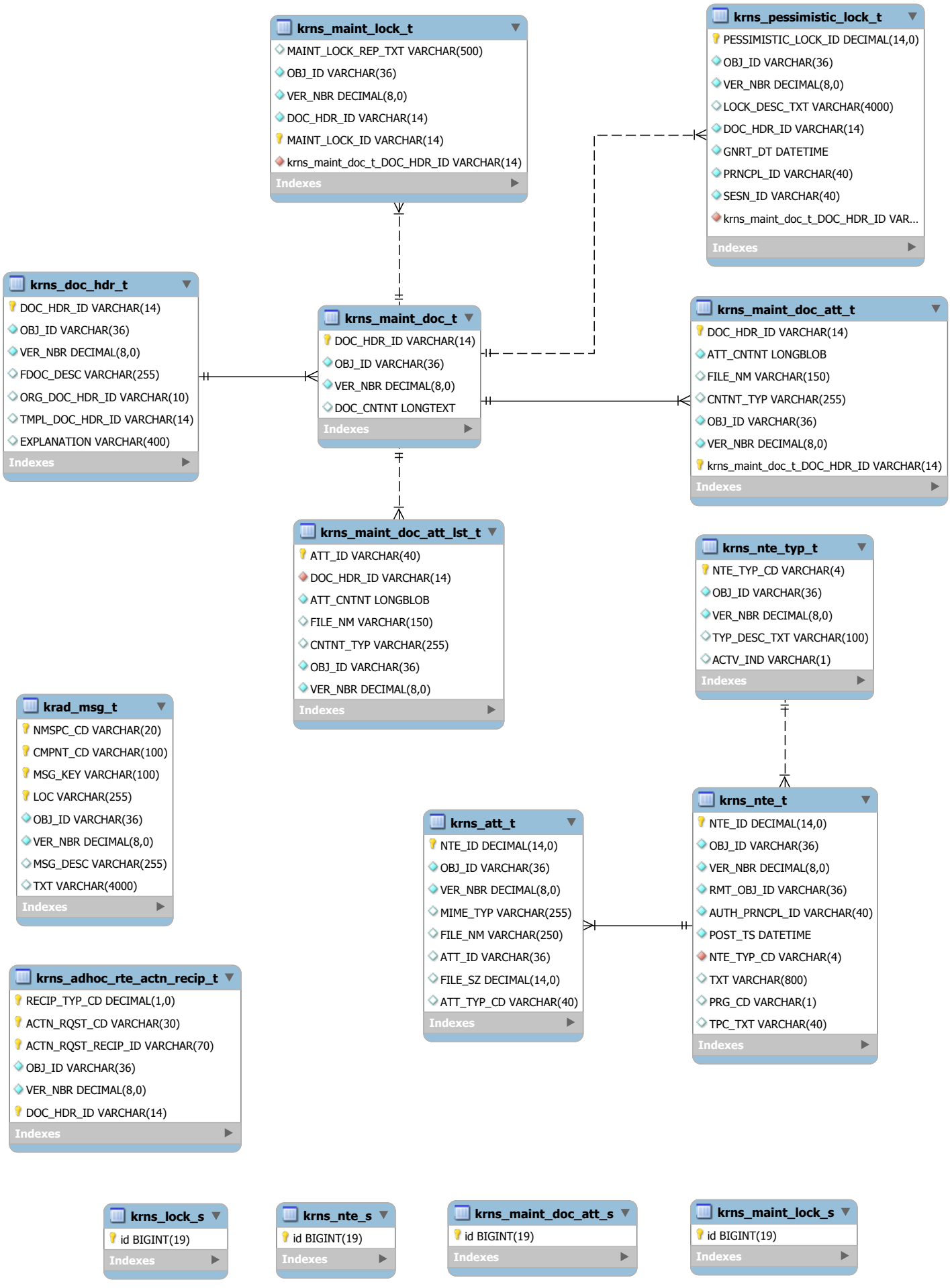Note that a number of implicit relationships have been manually added to this diagram for the sake of clarity