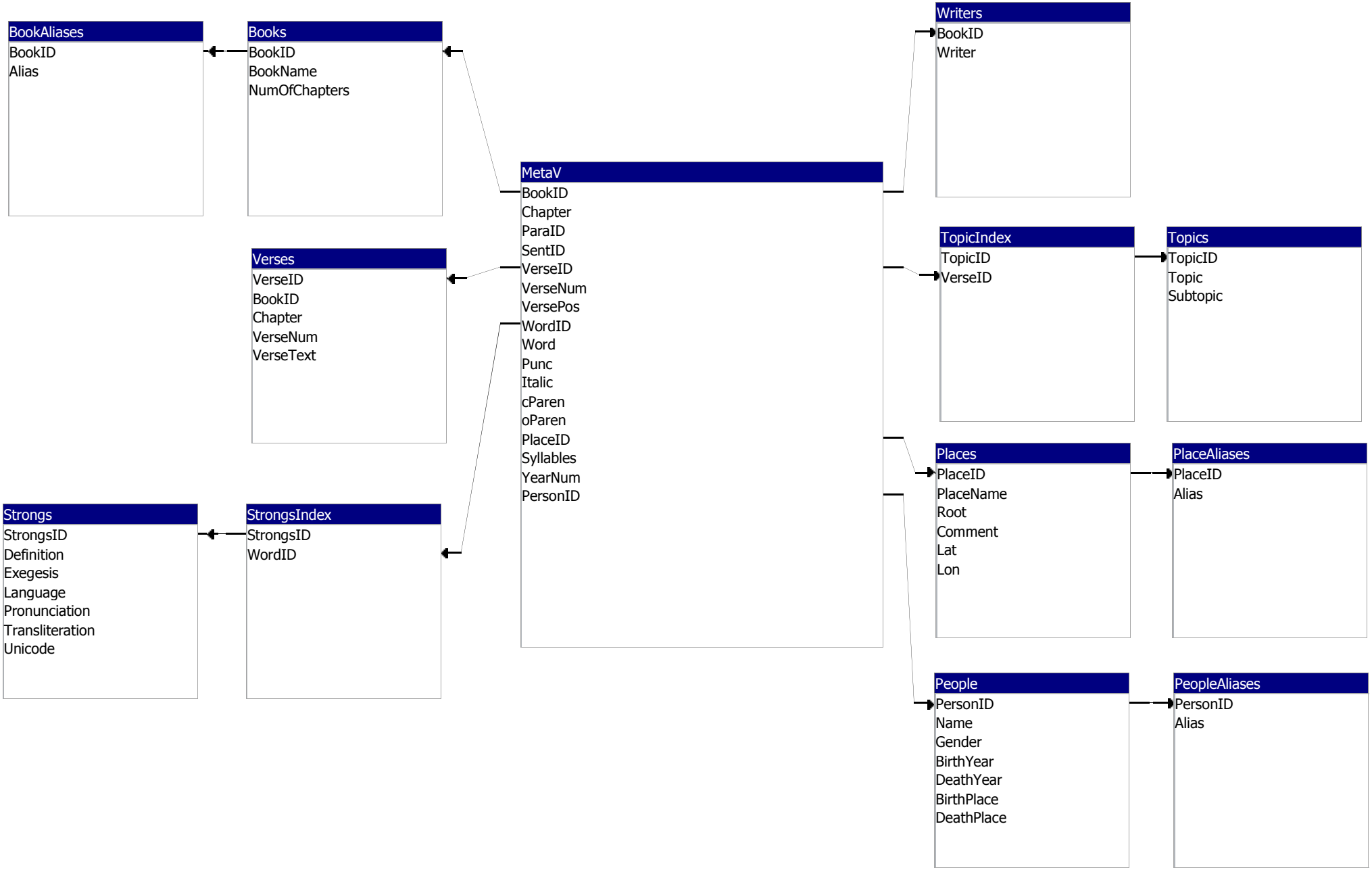Relationships for MetaV-2.0