DESCRIPTION OF MICROSOFT ACCESS DATABASE TABLES AND FIELDS
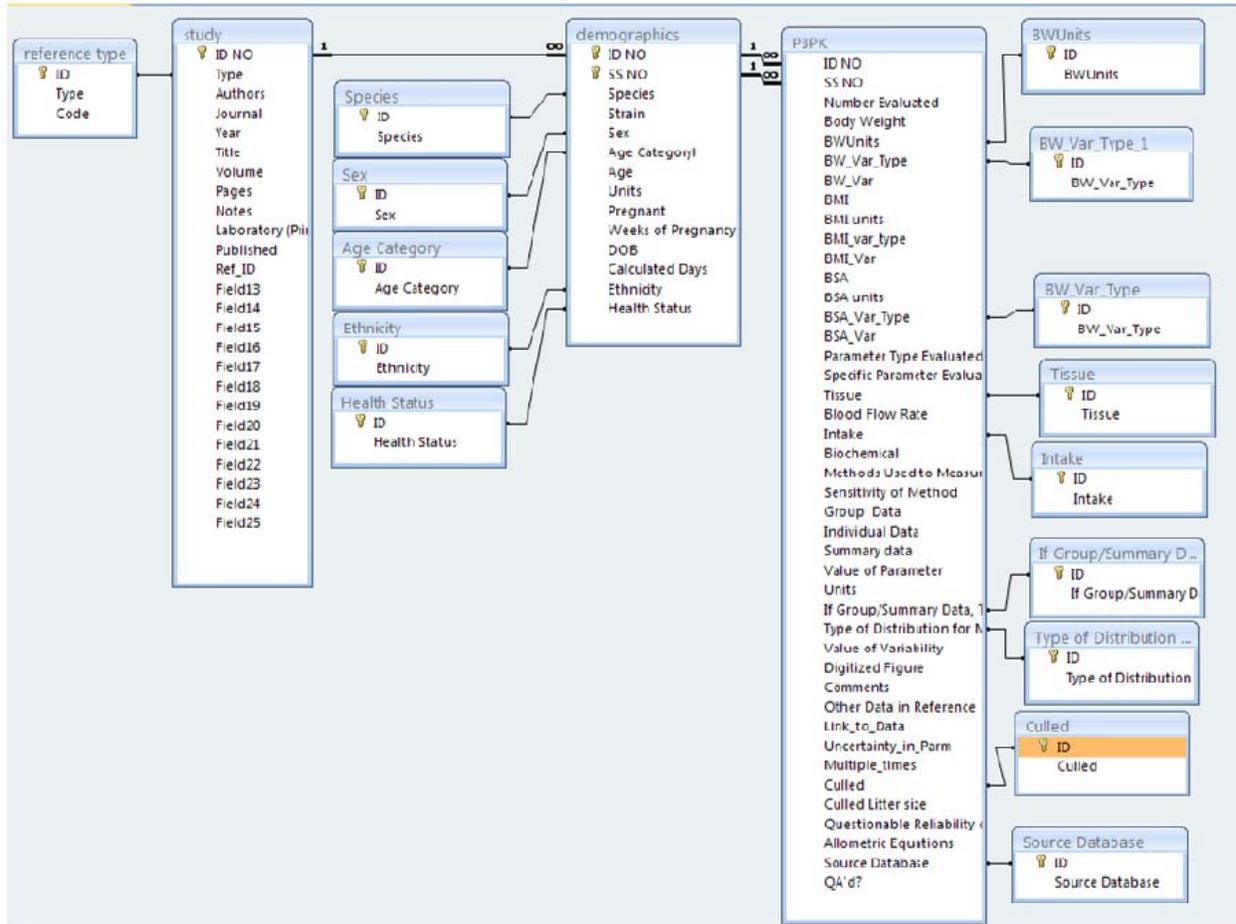
The physiological parameters database for older adults was created in MS ACCESS and is made up of three linked tables: "Study," "Demographics," and "PBPK." Several other lookup tables with predetermined values or names are included to aid in populating the fields of the three linked tables. Many of the fields are self-explanatory, but a few are defined below.

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Table 1. Description of Fields in "Demographics" Table

FIELD	DESCRIPTION
IDNO	This field is assigned a unique number for each study related entry, and is used to connect the data in the Demographics table to the corresponding records in the Study and PBPK tables.
SSNO	This field contains a study-specific number assigned to be associated with related groups of entries associated with a single study. For example, if subjects of multiple ages are evaluated within a single study, a separate number would be assigned for each age group. This field is used in conjunction with the IDNO field to connect the data in the Demographics table to the corresponding records in the PBPK table.
Species	This field contains the species of the study subject. Choices include rats, mice, hamsters, rabbits or human.
Strain	This field contains the strain of the study subject. This field is left blank for humans.
Sex	This field contains the sex of the study subject. Choices include male, female, male/female, or unspecified.
AgeCategory	The age category of the subject (only used for human data). Subjects were classified as Pre-Natal, Newborn (0-1 months), Infant (1-23 months), Preschool (2-5 years), Child (6-12 years), Adolescent (13-18 years), Adolescent/Adult, Adult, Adult/Elderly, Elderly, Maternal. For studies reporting the mean age or age range of a group of subjects, the age category is based on the value of the mean age, or the midpoint of the range. Additionally, if data crossed several age categories, it was entered for each category.
Age	Provides numerical entry for age. Given either as a single value (individual data), or an age range or mean ± SD (group data).
Units	Provides pull down menu for units of age.
Pregnant	Yes/No category for pregnancy.
Weeks of Pregnancy	This field indicates the number of weeks of pregnancy.
DOB	Provides date of birth. Used as a reference for studies of young animals to designate whether the study recorded the date of birth as day 0 or day 1. Unspecified/unknown also used.
Calculated Day	This field provides the day that the parameter was measured. It is typically equal to the age field but could differ for reproductive studies.
Ethnicity	This field presents any available information on the

FIELD	DESCRIPTION
	race/ethnicity of study subjects (humans only).
Health Status	This field identifies the physiological condition or health status of subjects. Options include healthy, obese, diabetes, diabetes/obese, COPD, renal disease, liver disease, acute liver failure, hypertensive, heart disease, patients, or unspecified. "Patients" represent subjects who have been diagnosed with or are being treated for symptoms or health conditions not listed above. "Unspecified" represents subject data either from studies that did not present information on health status, or from group data representing both healthy and diseased individuals.

Table 2. Description of Fields in "PBPK" Table

FIELD	DESCRIPTION
IDNO	This field is assigned a unique number for each study related entry, and is used to connect the data in the PBPK table to the corresponding records in the Study and Demographics tables.
SSNO	This field contains a study-specific number assigned to be associated with related groups of entries associated with a single study. For example, if subjects of multiple ages are evaluated within a single study, a separate number would be assigned for each age group. This field is used in conjunction with the IDNO field to connect the data in the PBPK table to the corresponding records in the Demographics table.
NumberEvaluated	The field is a numeric entry and contains the number of subjects evaluated for the parameter of interest.
BodyWeight	Field containing the average or subject-specific body weight reported in the study.
BWUnits	The units associated with the Body Weight field.
BWVarType	If variability in body weight is reported in the study, the type is entered in this field. Possible entries are Standard Deviation (SD), Standard Error (SE), Coefficient of variation (CV), or not reported.
BWVar	The numeric value of the variability in body weight is entered in this field.
BMI	Field containing the average or subject-specific body mass index reported in the study (generally humans only).
BMIUnits	The units associated with the BMI field. Usual choice is kilograms per square meter.
BMIVarType	If variability in body mass index is reported in the study, the type is entered in this field. Possible entries are Standard Deviation (SD), Standard Error (SE), Coefficient of variation (CV), or not reported.
BMIVar	The numerical value of the variability in body mass index is entered in this field.
BSA	Field containing the average or subject-specific body surface area reported in the study.
BSAUnits	The units associated with the BSA field. Usual choice is square meters.
BSAVarType	If variability in body surface area is reported in the study, the type is entered in this field. Possible entries are Standard Deviation (SD), Standard Error (SE), Coefficient of variation (CV), or not reported.
BSAVar	The numerical value of the variability in body surface area is entered in this field.

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FIELD	DESCRIPTION
Parameter Type Evaluated	General categorization of the measured parameter (e.g. intake, metabolic systems)
Specific Parameter Evaluated	The specific parameter for which data is presented for a given entry (e.g., cardiac output, fat free mass, creatinine clearance, etc.).
Tissue	This field indicates the specific tissue where the parameter was measured (e.g. CYP2E1 metabolism in the liver).
Blood Flow Rate	This field includes the measured blood flow when available.
Intake	This field indicates the specific type of intake parameter.
Biochemical	This field complements the specific parameter field, indicating the type of measurement.
Methods Used to Measure Parameter	This field indicates the specific method used to measure the parameter.
Sensitivity of Method	This field is included to allow an indication of the sensitivity of the measurement method.
Group Data	Yes/no field if parameter value represents the mean (or range) of a group of individuals.
Individual Data	Yes/no field if the entry represents a parameter value from one individual.
Summary data	
Value of Parameter	The numerical value (average or subject specific) associated with the parameter of interest.
Units	The units associated with the parameter of the interest.
If Group/Summary Data, Type of Variability	This field defines how the variability was defined if the parameter was measured across a group of animals.
Type of Distribution for Measurement of Parameter	The type of distribution (e.g., normal, log-normal) for the parameter of interest.
Value of Variability	The numerical value of the variability.
Digitized Figure	This field is used to indicate if the data was taken from a digitized figure (a less accurate estimate) than from a presented numerical value.
Comments	Allows general comments on the datapoint.
Other Data in Reference	This field is used to indicate if complementary data is available in the same source/subject.
Link_to_Data	This field is used to provide a link to the original data source (e.g. a hyperlink)
Uncertainty_in_Parm	A yes/no field to indicate if there is uncertainty in determining the actual parameter measure in the source.
Multiple_times	Indication of whether the parameter was measured multiple times in the study (yes/no)
Culled	This field indicates whether the litter was culled.
Culled Litter size	This field indicates the culled litter size.
Questionable Reliability of	This field is used to indicate is there is a question as to the

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Methods	reliability of the method used in the study to reliably produce acceptable data (yes/no)
Allometric Equations	This field indicates if the datapoint was determined from allometric scaling equations rather than directly measured (yes/no)
Source Database	This field indicates the original database where the datapoint was entered. Choices are: Source Database, Krishnan Combined Human, Krishnan Combined Animal, ILSI, New addition.
QA'd?	This field indicates whether the datapoint has undergone a final QA check.