

## Prepopulation PenLung database Specifications

This option facilitates pre-population of the PenLung database for new facilities. Pre-population of patient information, referring doctors, referring sites, radiologist and technologist information is available to save time and effort.

Pre-population of the PenLung database is facilitated by importing data from existing facility databases. These file formats may be: text (tab or pipe delimited), spreadsheet or database. Patient information may include patients with LDCT exams within the last 2-3 years (by CPT, exam code or department code, etc.) and/or patients over a certain age.

During data conversion, names and addresses are properized (MARY SMITH - Mary Smith) and duplicate patients are removed based on multiple field matching (ie: DOB, last name, MR#). PenLung can automatically calculate and assign a next exam date based on last exam date and/or age to generate recall letters.

HL7 format is optional (ADT, ORM, ORU).

### Patient/Exam Data (one record per exam)

Patient_id (50)	= 2121, AA343, (MRN - unique patient number)
MPI(50)	= 2121, AA343, (Master Patient Index - unique patient number)
Last_name (50)	= Anderson
First_name (50)	= Mary
Middle_name (50)	= A , Ann
First_title (16)	= Ms., Mrs, Dr, etc.
Last_title (16)	= MD, DO, etc
Date_of_birth (Date)	= 10/25/57, 10/25/1957, 19571025
Sex (10)	= M, F, Female, Male, U, Unknown
Race (50)	= W, White, B, Black, A, Asian, etc.
Address_1 (50)	= 123 Oak Street
Address_2 (50)	= Apartment 22
City (50)	= Minneapolis
State (32)	= MN
Zip (16)	= 55555, 55555-4444, 555554444
Home_phone (20)	= (612475-3388, 6124753388, 4753388 (can add area code if told)
Work_phone (20)	= (612)475-3388x1234, 61247533881234, 4753388 1234
SSN (50)	=123-56-7890, 1234567890
Account # (30)	= 1234(Visit number, FIN)
Accession# (30)	= 1234

Exam\_code (30) = LDCT  
Exam\_Description (80) = Low Dose Screening exam  
Exam\_date (Date) = 12/12/1995  
Birads(if applicable) (50) = 1  
Recall\_Date (Date) = 12/12/1996  
Recall\_Type (80) = LDCT, Lung CT...  
Referring\_Dr\_ID (50) = 2121, AA343, ( doctor number) (see below)  
Radiologist\_Doctor\_ID (50) = 2124, AA344, ( doctor number) (see below)  
Technologist\_Tech\_ID (50) = 128, AA3, (see below)  
Exam\_Location (50) = Lung Screening Center  
Report\_Text (No Limit) = Line1~Line2~Line3~...

**Referring doctor data**

Doctor\_ID (50) = 120 ( doctor number)  
Last\_name (50) = Anderson  
First\_name (50) = Mary  
Middle\_name (50) = A , Ann  
First\_title (16) = Ms., Mrs, Dr, etc.  
Last\_title (16) = MD, DO, etc  
Address\_1 (50) = 123 Oak Street  
Address\_2 (50) = Apartment 22  
City (50) = Minneapolis  
State (32) = MN  
Zip (16) = 55555, 55555-4444, 555554444  
Office\_phone (20) = (612)475-3388x1234, 61247533881234  
Fax\_phone (20) = (612)475-3388x1234, 61247533881234  
Email (50) = dr@hospital.com

**Hospital/clinic data**

Hospital\_name (50) = PenRad Healthcare  
Department (50) = Radiology  
Contact\_name (50) = Mary Smith  
Hospital\_id (50) = 501  
Address\_1 (50) = 123 Oak Street  
Address\_2 (50) = Apartment 22  
City (50) = Minneapolis  
State (32) = MN  
Zip (16) = 55555, 55555-4444, 555554444

Office\_phone (20) = (612475-3388, 6124753388, 4753388 (can add area code if told)  
Fax\_phone (20) = (612)475-3388x1234, 61247533881234, 4753388 1234, 4753388

**Radiologist data**

Last\_name (50) = Anderson  
First\_name (50) = Mary  
Middle\_name (50) = A , Ann  
First\_title (16) = Ms., Mrs, Dr, etc.  
Last\_title (16) = MD, DO, etc  
Doctor\_ID (50) = 120 ( doctor number)  
NPI (50) = 12000001224154 ( doctor NPI)  
Home\_phone (20) = (612475-3388, 6124753388, 4753388 (can add area code if told)  
Office\_phone (20) = (612)475-3388x1234, 61247533881234, 4753388 1234  
fax\_phone (20) = (612)475-3388x1234, 61247533881234, 4753388 1234  
Hospital\_id (50) = Hospital\_id  
Resident = Yes/No

**Technologist data**

Last\_name (50) = Anderson  
First\_name (50) = Mary  
Middle\_name (50) = A , Ann  
First\_title (16) = Ms., Mrs, etc.  
Last\_title (16) = RT, etc  
Tech\_ID (50) = 120  
Hospital\_id (50) = Hospital\_id (Tech 'Location')