Artwork consists of seventy-nine (79) 8½ x 11 inch pages.

REV AUTHORED BY: T KELLY — DATE: 4/29/09	HOLOGIC® A FAMILY OF COMPANIES	Osteoporosis Assessment LORAD© Breast Cancer Detection DirectRay© Digital Imaging FLUOROSCAN© C-arm Imaging	SIGNATURES ON FILE
REV DRAFTED BY: G CORRIDORI — DATE: 7/31/09	TITLE: APEX 3 DATA DICTNRY	DOCUMENT NUMBER: AW-02695	REV: 001
PROPRIETARY: This document contains proprietary data of Hologic, Inc. No disclosure, reproduction or use of any part thereof may be made except by written permission from Hologic.	ARTWORK	SIZE A	SHEET 1 OF 1
REV. RELEASE DATE: 08/14/09			

HOLOGIC®

OSTEOPOROSIS ASSESSMENT

APEX 3

Data Dictionary

July 2009

Printed in the U.S.A.

Hologic, Inc.

35 Crosby Drive

Bedford, MA 01730

USA

Tel: (781) 999-7300

Fax: (781) 280-0669

Service: (800) 321-HOLX (321-4659)

User Support: (800) 321- HOLX (321-4659)

Hologic Europe

Hologic N. V.

Leuvensesteenweg 250A

1800 Vilvoorde

Belgium

Tel: 32.2.711.4680

Fax: 32.2.725.20

Contents

Introduction 1
Table Identifiers 1
PatientKey 1
ScanID 1
Data Dictionary 3
Table: PATIENT 3
Ethnicity Values 5
Phantom Type Values 5
Table: SCANANALYSIS 6
Scan_Type Values 11
Scan_Mode Values 12
HW_Version Values 13
Analysis_Key_Type Values 15
PROTOCOL Values 22
RESULT_TYPE Values 32
REF_TYPE (REFERENCE DATA TYPE) Values 33
BONE RANGE (REFERENCE DATA REGION) Values 33
Table: FOREARM 37
Table: HIP 40
Table: HIPHSA 41
Table: LATERAL 44
Table: SPINE 49
Table: SUBREGIONBONE 51
Table: SUBREGIONCOMPOSITION 54
Tissue_Analysis_Method Values 59
Table: WBODY 59
Table: WBODYCOMPOSITION 62
Table: REFERENCERESULTS 64
Table: SYSTEMID 66
Table: REFPHYSICIAN 66
Table: QCPARAM 67
Table: TENYEARFXRISK 69
Table: VERSION 71

Table: AndroidGynoidComposition....71
Table: ObesityIndices....72
Table: REFERENCECURVE 73
Table: POINTS....75

Introduction

APEX stores patient, scans, scan analysis, scan results, and other information in two MS Access databases. These databases consist of tables and columns (fields) within the tables. The information in these tables and columns can be used by Hologic customers to develop their own customized forms and/or reports using a report tool.

The data dictionary provides:

- Name and brief description for each table.
- Name, brief description, data type and length for each column within the table.

Table Identifiers

Unique identifiers are provided to support relationships among the APEX database. These identifiers include PatientKey and ScanID.

PatientKey

PatientKey is a unique identifier for each patient formed by the concatenation of the following:

3 characters for the year in Base 36,
1 character for the month in hex,
2 characters for the day,
4 characters for the seconds of the Base 36,
2 characters for the sequence in Base 36,
12 characters for the Serial Number of the machine on which the patient was created.

This field is used as the key in the Patient table. Every patient created in the database will have this field assigned which will be transparent to the user. Each time a new patient is added to the database, the sequence number is incremented. The addition of the day, month, year and the seconds of the day will ensure in making the identifier a global one. This id is handled and managed internally by the database. To enforce this uniqueness, workstations will have to own their own serial number.

ScanID

The ScanId is a unique identifier for each scan formed by the concatenation of the following:

1 character denoting the Site Id.
3 characters denoting the Year in Base 36.
1 character denoting the month in hex.
2 characters denoting the day of the month.
4 characters denoting the seconds of the day in Base 36.
2 characters denoting the Sequence in Base 36.

Data Dictionary

Table: PATIENT

Stores patient biography information. This is data that is independent of the Scan, Analysis and Result information i.e the data containing details specific to a particular patient. This information is common to each scan, analysis and result obtained for the patient. A patient may have one or more scans. Each patient is identified by a primary key (PATIENT_KEY) that is unique to each patient.

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
STUDY	Field indicating the name of the study this patient is participating in.	Text	15
LAST_NAME	Patient's last name.	Text	64
FIRST_NAME	Patient's first name	Text	25
MID_INITIAL	Patient's middle initial.	Text	8
IDENTIFIER1	Patient's first numeric identifier such as Social Security Number.	Text	64
IDENTIFIER2	Patient's second numeric identifier (Optional)	Text	15
BIRTHDATE	Patient's date of birth.	Date/Time	8
SEX	Patient's gender.	Text	1
WEIGHT	Patient's weight in kgs.	Number (Double)	8
HEIGHT	Patient's height in cms.	Number (Double)	8
ETHNICITY	Patient's ethnic background. (Coded entry. See Ethnicity Values following the Patient table for details.)	Text	2
REF_PHYSICIAN	Referring Physician.	Text	25
PAT_COMMENT	Operator entered comment for the patient.	Memo	Up to 64,000
MENOPAUSE_YEAR	The year the patient reached menopause - only for female patients.	Number (Long)	4

Column Name	Column Description	Column Type	Column Length
RDFLOAT	A numeric field for R&D purposes.	Number (Double)	8
RDTEXT	A string field for R&D purposes.	Text	15
PLAN	The patient's health insurance plan.	Text	20
GROUP	Insurance group's identification.	Text	20
INSURANCE	Insurance coverage identification - maybe the patient's policy number.	Text	20
ADDRESS1	First line of patient's address.	Text	25
ADDRESS2	Second line of patient's address.	Text	25
CITY	City from patient's address.	Text	20
STATE	State from patient's address.	Text	20
POSTAL	Zip Code or other form of postal code from patient's address.	Text	10
COUNTRY	Country from patient's address.	Text	25
PHANTOM_ID	If this is a phantom then Phantom's id.	Text	12
PHANTOM_TYPE	If this is a phantom then the type of the phantom e.g. Block, Hip etc. Otherwise the phantom type is 0 for patients. (Coded entry. See Phantom_Type Values following the Patient table for details.)	Number (Long)	4
LAST_UPDATE	The date when the patient information was last updated.	Date/Time	8
LAST_EXPORT	The date when the patient data was last exported.	Date/Time	8
BMI	Patient's body mass index	Number (Double)	8

Ethnicity Values

Value	Displayed Value	Reference Population
W	White	Caucasian
C	White	Caucasian
B	Black	Black American
H	Hispanic	Mexican American
O	Asian	Native Japanese
P	Pediatric	Pediatric
I	Infant	Infant

The reference database software will use the above reference populations for the stated ethnicity values. If reference populations are unavailable for a particular scan type, the Caucasian American reference population is employed by default.

If the subject's ethnicity value is left blank or does not match any of the values above, the Caucasian American reference population is employed by default.

Phantom Type Values

Value	Phantom Type
0	Not a phantom
1	Spine Phantom
2	Block (Linearity) Phantom
3	Hip Phantom

Table: SCANANALYSIS

Stores Scan Analysis information. This is data specific to the scan or analysis that may vary for every scan or analysis. The SCANANALYSIS table is updated after each analysis, only one entry in this table will exist for every scan performed on a patient. This information is unique to each patient. Each patient may have one or more results depending on the kind of analysis (protocol) used e.g. Spine, Hip etc. Each Scan is uniquely identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
ANALYSIS_DATE	Date of last analysis of the scan.	Date/Time	8
ANAL_SERIAL_NUMBER	Serial Number of the machine on which the scan was analyzed.	Text	12
REF_TYPE	The region used for reference e.g. S for Spine, D for Decubitus etc. (Coded entry. See Ref_Type (Reference Data Type Values and Bone Range [Reference Data Region] following the Scananalysis table for details.)	Text	2
SCAN_DATE	Date the scan was performed.	Date/Time	8
SCAN_TYPE	The type of this scan e.g. hip, spine, lateral etc. (Coded entry. See Scan_Type Values following the Scananalysis table for details.)	Number (Long)	4
SCAN_MODE	The mode of the scan e.g. fast, array etc. (Coded entry. See Scan_Mode Values following the Scananalysis table for details.)	Number (Long)	4
WEIGHT	Patient’s weight at the time of the scan in kgs.	Number (Double)	8
HEIGHT	Patient’s height at the time of the scan in cms.	Number (Double)	8
COMP_SCANID	The Scan Id of the scan used as a comparison baseline.	Text	13

Column Name	Column Description	Column Type	Column Length
COMP_SERIAL_NUMBER	The Serial Number of the system on which the compare scan was run.	Text	12
LINKED_SCANID	If this scan is dependent on another scan (such as the lateral in AP/Lateral pair) this is the Scan Id of the other scan - backwards pointer.	Text	13
LINKED_SERIAL_NUMBER	If this scan is dependent on another scan (such as the lateral in AP/Lateral pair) this is the Serial Number of the system on which the other scan was run - backwards pointer.	Text	12
SW_VERSION	The version of the software used during the acquisition of the scan.	Text	10
ANAL_VERSION	The version of the software used during the last analysis of the scan.	Text	10
HW_VERSION	(Coded entry. See HW_Version Values following the Scananalysis table for details.)	Text	10
FF_VERSION	The version of fan factor calibration used during the last analysis of the scan.	Text	10
SCAN_COMMENT	The comment provided by the operator at the time of acquisition.	Memo	Up to 64,000
SCAN_OPERATOR	The identifier of the operator who acquired the scan.	Text	5
ANAL_OPERATOR	The identifier of the operator who last analyzed the scan.	Text	5
REANALYSIS_FLAG	Flag indicating reanalysis is required. This indicates the programmatic determination of this need. For instance if fan factors are updated, then all affected scans can be flagged by setting this flag to TRUE.	Number (Long)	4
ACF	Area Calibration Factor.	Number (Double)	8
BCF	Bone Mineral content Calibration Factor.	Number (Double)	8
ANALYSIS_KEY_TYPE	Scan Analysis Key. (Coded entry. See Analysis_Key_Type Values following the Scananalysis table for details.)	Number (Long)	4
ANALYSIS_KEY_LEVEL	This is a revision indicator that captures how recent this scan is. It is used to prevent the analysis of a scan on an older system than it was captured on, when the older system does not recognizes this scan type.	Number (Long)	4

Column Name	Column Description	Column Type	Column Length
K	Attenuation ratio: low tissue / high tissue.	Number (Double)	8
D0	Value of the of a known reference bone material in hardware dependent units.	Number (Double)	8
THICKNESS	Mean thickness of a patient in inches.	Number (Double)	8
HI_AIR	Log of Hi energy attenuation produced by patient.	Number (Long)	4
LO_AIR	Log of Low energy attenuation produced by patient.	Number (Long)	4
PROTOCOL	Indicates the analysis protocol used. (Coded entry. See Protocol Values following the Scananalysis table for details.) Protocol ID numbers in the 300's are APEX enhanced precision protocols. If the protocol matches the ANALYSIS_KEY_TYPE, then the older base analysis protocol was used).	Number (Long)	4
RESULT_TYPE	Indicates the different result types that have been stored for this scan. As new types of analysis of this scan are completed and stored, this field must be updated. Also during restore this field must be checked to ensure accuracy and to determine which result tables have to be populated. (Coded entry. See Result_Type Values following the Scananalysis table for details.)	Number (Long)	4
ALR_ARCH_DATE1	The archive date of the primary archive.	Date/Time	8
ALR_ARCH_DATE2	The archive date of the secondary archive.	Date/Time	8
ALR_ANAL_DATE1	The analysis date of the primary archive.	Date/Time	8
ALR_ANAL_DATE2	The analysis date of the secondary archive.	Date/Time	8
LABEL1	The archive label of the volume the primary archive was stored on. NULL indicates no primary archive has been done yet.	Text	22
LABEL2	The archive label of the volume the secondary archive was stored on. NULL indicates no secondary archive has been done yet.	Text	22
DIRECTORY1	The directory name (relative to the archive volume root) of the archive location where the primary archive was stored. NULL indicates no	Text	255

Column Name	Column Description	Column Type	Column Length
	primary archive has been performed.		
DIRECTORY2	The directory name (relative to the archive volume root) of the archive location where the secondary archive was stored. NULL indicates no secondary archive has been performed	Text	255
STATUS	Field reserved for future use.	Number (Long)	4
PFILE_NAME	Indicates whether the scan is on the system and if it is present then it has the corresponding P-file name. It is blank if the scan is not on the system.	Text	12
POINTSIZE	1/2 of X pixel size in mm.	Number (Double)	8
LINESIZE	Y pixel size in mm.	Number (Double)	8
RDFLOAT	A numeric field reserved for site-specific extensions - for R&D purposes.	Number (Double)	8
RDTEXT	A string field reserved for site-specific extensions - for R&D purposes.	Text	10
LAST_UPDATE	The last date this scan was updated by any means. Including reanalysis, restore from archive etc.	Date/Time	8
EXAM_ID	The Exam Id of this scan.	Number (Long)	4
ACCESSION_NO	Accession number.	Text	16
QC_SCAN	Boolean field indicates whether the scan is being used for QC. If it is a QC scan then the field is TRUE else FALSE.	Yes/No	1
FEMORAL_HEIGHT	Height of the femur above the table in cm. Only for hip scans acquired with autopositioning. Defaults to -1 for other scans.	Number (Double)	8
TRUE_POINTSIZE	One half of the X size of a pixel in mm (corrected for femoral height). Only for hip scans acquired with autopositioning. Defaults to -1 for other scans.	Number (Double)	8
LAST_EXPORT	The date when the Scan information was last exported.	Date/Time	8
HL7_1	HL7 information from HL7 Field 1	Text	64

Column Name	Column Description	Column Type	Column Length
HL7_2	HL7 information from HL7 Field 2	Text	64
HL7_3	HL7 information from HL7 Field 3	Text	64
ImagePro	Yes if processed by Image Pro	Yes/No	1
HSA	Yes if scan was analyzed with the Hip Structure Analysis® protocol	Yes/No	1
BMI	Patient's body mass index	Number (Double)	8
WL_OTHER_PAT_IDS	The data received from DICOM Modality Worklist, “Other patient IDs”	Text	255
WL_STUDY_INST_UID	Study Instance UID, obtained from DICOM Modality Worklist	Text	255
WL_REQ_PROC_ID	Requested Procedure ID, obtained from DICOM Modality Worklist	Text	255
WL_SCHED_PROC_STEP_ID	Scheduled Procedure Step ID, obtained from DICOM Modality Worklist	Text	255
WL_SCHED_PROC_STEP_DESC	Scheduled Procedure Step Description, obtained from DICOM Modality Worklist	Text	255
WL_PERF_PROC_STEP_ID	Performed Procedure Step ID, obtained from DICOM Modality Worklist	Text	255
WL_PERF_PROC_STEP_DESC	Performed Procedure Step SOP Instance UID, generated by APEX to uniquely identify the Performed Procedure Step	Text	255
FIELD1	Arm rotation motor position in degree minutes for VXA scans	Number (Double)	8
FIELD2	Table X (in/out) motor position in micrometers	Number (Double)	8
FIELD3	Table Z (height) motor position in micrometers	Number (Double)	8
FIELD4	Wholebody analysis flags for ten year fracture risk, android/gynoid regions, obesity indices and mirroring.	Number (Double)	8
FIELD5	Reserved for future use	Number (Double)	8
FIELD6	Reserved for future use	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
FIELD7	Reserved for future use	Number (Double)	8
FIELD8	Reserved for future use	Number (Double)	8
FIELD9	Reserved for future use	Number (Double)	8
FIELD10	Reserved for future use	Number (Double)	8

Scan_Type Values

Value	Scan Type		Value	Scan Type
1	AP SPINE		25	INFANT SPINE
2	LEFT HIP		26	CENTERLINE AP SPINE
3	RIGHT HIP		27	HIGH RESOLUTION MORPHOMETRY
4	SCOLIOSOS		28	2000 PLUS DUAL ENERGY MORPHOMETRY **OR…**
5	WHOLE BODY		28	4500 DUAL ENERGY SUPINE LATERAL IMAGE
6	LEFT FOREARM (WRIST)		29	2000 PLUS SINGLE ENERGY MORPHOMETRY **OR…**
7	RIGHT FOREARM (WRIST)		29	4500 SINGLE ENERGY SUPINE LATERAL IMAGE
8	SUPINE LATERAL		30	RADIOGRAPHY
9	ULTRA HIGH RESOLUTION		31	LEFT HAND
19	DECUBITUS LATERAL		32	RIGHT HAND
20	PEDIATRIC		33	DAILY FLATTENING
21	LEFT PROSTHETIC HIP		34	BIG FLATTENING

22	RIGHT PROSTHETIC HIP
23	RAT WHOLE BODY
24	RAT WHOLE BODY CALIBRATION

35	SINGLE ENERGY AP IMAGE
36	SINGLE ENERGY RIGHT/LEFT LATERAL IMAGE
37	DUAL ENERGY RIGHT/LEFT LATERAL IMAGE
38	INFANT WHOLE BODY

Scan_Mode Values

Value	Scan Mode	Descriptor
1	Pencil	Nothing
2	Performance Pencil	P
3	Fast Pencil	Q
4	2000 High Definition Array	H
5	2000 Array	A
6	2000 Fast Array	F
7	2000 Turbo	T
9	Lunar - Converted	&
10	4500/Delphi High Definition	h
11	4500/Delphi Array	a
12	4500/Delphi Fast Array	f
13	4500/Delphi Turbo	t
14	2000/4500 Fast Morphometry	Unused, undocumented scan modes

Value	Scan Mode	Descriptor
15	2000/4500 HIGH DEFINITION Morphometry	Unused, undocumented scan modes
16	4500/Delphi Enhanced Array (not used)	e
17	4500/Delphi Express	x
18	Unknown	u
19	Explorer	e
20	Explorer Detail	d
21	Explorer Survey	s
22	Norland - Converted	%
23	Hologic - Manual Entry	!
24	User Defined - Manual Entry	@
25	Fast Explorer	fe

HW_Version Values

Value	Hardware Type
1	QDR 1000
2	QDR 1000 Performance Series
3	QDR 1000/W
4	QDR 1000/W Performance Series

Value	Hardware Type
5	QDR 2000
6	QDR 1500
7	QDR 2000 Plus
8	QDR 4500A
9	QDR 4500SL
10	QDR 4500W
11	QDR 4500C
12	QDR 4000
13	QDR Workstation
14	DELPHI C
15	DELPHI W
16	DELPHI A
17	DELPHI SL
18	Discovery Ci
19	Discovery Wi
20	Discovery C
21	Discovery W
22	Discovery SL
23	Discovery A

Value	Hardware Type
24	Explorer w/o Whole Body
25	Explorer w/ Whole Body

Analysis_Key_Type Values

Value	Descriptor
100	4500 LEFT PROSTHETIC HIP
101	4500 RIGHT PROSTHETIC HIP
128	FAST SPINE
129	PERFORMANCE SPINE
130	FAST LEFT HIP
131	PERFORMANCE LEFT HIP
132	FAST RIGHT HIP
133	PERFORMANCE RIGHT HIP
136	FAST LEFT WRIST
138	FAST RIGHT WRIST
140	PERFORMANCE LEFT PROSTHETIC HIP

Value	Descriptor
141	PERFORMANCE RIGHT PROSTHETIC HIP
143	PERFORMANCE WHOLE BODY RAT
144	NEW FAST LEFT WRIST
145	NEW FAST RIGHT WRIST
160	QDR 2000 FAST SPINE
161	QDR 2000 HIGH RESOLUTION SPINE
162	QDR 2000 FAST LEFT HIP
164	QDR 2000 FAST RIGHT HIP
166	QDR 2000_FAST LATERAL
167	QDR 2000 HI RESOLUTION LATERAL
169	QDR 2000 ARRAY SPINE
170	QDR 2000 ARRAY LEFT HIP
171	QDR 2000 ARRAY RIGHT HIP
172	QDR 2000 TURBO SPINE

Value	Descriptor
177	QDR 2000 ARRAY LEFT WRIST
178	QDR 2000 ARRAY RIGHT WRIST
180	QDR 2000 WHOLE BODY
185	QDR 2000 ARRAY WHOLE BODY
189	QDR 2000 LEFT WRIST
190	QDR 2000 RIGHT WRIST
191	QDR 2000 FAST LEFT WRIST
192	QDR 2000 FAST RIGHT WRIST
193	QDR 1000W HI RESOLUTION
194	QDR 2000 HIGH RESOLUTION
200	QDR 4500/DELPHI ARRAY SPINE
203	QDR 4500/DELPHI ARRAY LEFT HIP
204	QDR 4500/DELPHI ARRAY RIGHT HIP
210	QDR 4500/DELPHI ARRAY LATERAL

Value	Descriptor
211	QDR 4500/DELPHI HIGH DEFINITION SPINE
212	QDR 4500/DELPHI HIGH DEFINITION LEFT HIP
213	QDR 4500/DELPHI HIGH DEFINITION RIGHT HIP
214	QDR 4500/DELPHI HIGH DEFINITION LATERAL
215	QDR 4500/DELPHI FAST SPINE
216	QDR 4500/DELPHI FAST LEFT HIP
217	QDR 4500/DELPHI FAST RIGHT HIP
218	QDR 4500/DELPHI FAST LATERAL
219	QDR 4500/DELPHI TURBO SPINE
220	QDR 4500/DELPHI TURBO LEFT HIP
221	QDR 4500/DELPHI TURBO RIGHT HIP
222	QDR 4500/DELPHI ARRAY LEFT FOREARM
223	QDR 4500/DELPHI ARRAY RIGHT FOREARM
224	QDR 4500/DELPHI ARRAY WHOLE BODY
225	QDR 4500/DELPHI FAST CENTERLINE
226	QDR 4500/DELPHI ARRAY CENTERLINE
227	QDR 4500/DELPHI FAST MORPHOMETRY
228	QDR 4500/DELPHI HIGH DEFINITION MORPHOMETRY
229	QDR 4500/DELPHI FAST SINGLE ENERGY MORPHOMETRY (HIGH ENERGY)

Value	Descriptor
230	QDR 4500/DELPHI HIGH DEFINITION SINGLE ENERGY MORPHOMETRY (HIGH ENERGY)
231	QDR 4500/DELPHI TURBO CENTERLINE
232	QDR 4500/DELPHI ARRAY MORPHOMETRY
233	QDR 4500/DELPHI ARRAY SINGLE ENERGY MORPHOMETRY (HIGH ENERGY)
237	QDR 4500/DELPHI W ARRAY WHOLE BODY
238	QDR 4500/DELPHI A STEP PHANTOM CALIBRATION
239	QDR 4500/DELPHI W STEP PHANTOM CALIBRATION
240	QDR 4500/DELPHI 4500 TURBO SPINE
241	QDR 4500/DELPHI 4500 TURBO LEFT HIP
242	QDR 4500/DELPHI 4500 TURBO RIGHT HIP
244	QDR 4500/DELPHI 4500 ARRAY LEFT FOREARM
245	QDR 4500/DELPHI 4500 ARRAY RIGHT FOREARM
246	QDR 4500/DELPHI RAT WHOLE BODY
247	QDR 4500/DELPHI SMALL STEP PHANTOM CALIBRATION
248	QDR 4500/DELPHI HIGH RESOLUTION
249	QDR 4500/DELPHI DECUBITUS LATERAL SINGLE ENERGY RADIOGRAPHY
250	QDR 4500/DELPHI HIGH DEFINITION DECUBITUS LATERAL

Value	Descriptor
506	QDR 4500/DELPHI ARRAY WHOLE BODY (FAN BEAM ANALYSIS)
590	QDR CI/WI SINGLE ENERGY AP IMAGE
591	QDR CI/WI SINGLE ENERGY LATERAL IMGE
600	QDR 4500/DELPHI HIGH POWER WHOLE BODY
601	QDR 4500/DELPHI HIGH POWER STEP PHANTOM
602	QDR 4500/DELPHI ENHANCED SPINE
603	QDR 4500/DELPHI SINGLE ENERGY IVA IMAGE
604	QDR 4500/DELPHI DUAL ENERGY IVA IMAGE
605	QDR 4500/DELPHI SINGLE ENERGY IVA IMAGE
606	QDR HIGH DEF SINGLE ENERGY AP IMAGE
607	QDR HIGH DEF SINGLE ENERGY SUPINE LATERAL IMAGE
608	QDR HIGH DEF SINGLE EINERGY RL LATERAL IMAGE
610	QDR 4500/DELPHI INFANT WHOLE BODY
630	QDR 4500/DELPHI EXPRESS LUMBAR SPINE
631	QDR 4500/DELPHI EXPRESS LEFT HIP
632	QDR 4500/DELPHI EXPRESS RIGHT HIP
640	QDR EXPLORER AP SPINE

Value	Descriptor
641	QDR EXPLORER LEFT HIP
642	QDR EXPLORER RIGHT HIP
643	QDR EXPLORER LEFT FOREARM
644	QDR EXPLORER RIGHT FOREARM
645	QDR EXPLORER WHOLEBODY
646	QDR EXPLORER DECUBITUS LATERAL SPINE
647	QDR EXPLORER LEFT PROSTHETIC HIP
648	QDR EXPLORER RIGHT PROSTHETIC HIP
649	QDR EXPLORER DETAIL AP SPINE
650	QDR EXPLORER SURVEY AP SPINE
651	QDR EXPLORER SURVEY LEFT HIP
652	QDR EXPLORER SURVEY RIGHT HIP
653	QDR EXPLORER TBAR CALIBRATION
654	QDR EXPLORER SINGLE ENERGY AP SPINE
655	QDR EXPLORER SINGLE ENERGY RL LATERAL
656	QDR EXPLORER FAST AP SPINE
657	QDR EXPLORER FAST LEFT HIP
658	QDR EXPLORER FAST RIGHT HIP
710	QDR 4500/DELPHI W INFANT WHOLEBODY

PROTOCOL Values

Value	Descriptor
1	SPINE
2	LEFT HIP
3	RIGHT HIP
4	SCOLIOSIS
5	WHOLE BODY
6	LEFT FOREARM
7	RIGHT FOREARM
9	ULTRA
21	LEFT PROSTHETIC
22	RIGHT PROSTHETIC
23	RAT WHOLE BODY
35	DELPHI SINGLE ENERGY AP IMAGE
36	DELPHI SINGLE ENERGY LATERAL IMAGE
37	DELPHI DUAL ENERGY LATERAL IMAGE
100	QDR4500/DELPHI LEFT PROSTHETIC HIP

Value	Descriptor
101	QDR4500/DELPHI RIGHT PROSTHETIC HIP
128	FAST SPINE
129	PERFORMANCE SPINE
130	FAST LEFT HIP
131	PERFORMANCE LEFT HIP
132	FAST RIGHT HIP
133	PERFORMANCE RIGHT HIP
136	FAST LEFT FOREARM
138	FAST RIGHT FOREARM
140	PERFORMANCE LEFT PROSTHETIC HIP
141	PERFORMANCE RIGHT PROSTHETIC HIP
143	PERFORMANCE RAT WHOLE BODY
144	NEW FAST LEFT FOREARM
145	NEW FAST RIGHT FOREARM
160	QDR 2000 FAST SPINE

Value	Descriptor
161	QDR 2000 HI DEFINITION SPINE
162	QDR 2000 FAST LEFT HIP
164	QDR 2000 FAST RIGHT HIP
165	QDR 2000 HI DEFINITION RIGHT HIP
166	QDR 2000 FAST LATERAL
167	QDR 2000 HI DEFINITION LATERAL
169	QDR 2000 ARRAY SPINE
170	QDR 2000 ARRAY LEFT HIP
171	QDR 2000 ARRAY RIGHT HIP
172	QDR 2000 TURBO SPINE
175	QDR 2000 LEFT HAND
176	QDR 2000 RIGHT HAND
177	QDR 2000 ARRAY LEFT FOREARM
178	QDR 2000 ARRAY RIGHT FOREARM
180	QDR 2000 WHOLE BODY
185	QDR 2000 ARRAY WHOLE BODY

Value	Descriptor
189	QDR 2000 LEFT FOREARM
190	QDR 2000 RIGHT FOREARM
191	QDR 2000 FAST LEFT FOREARM
192	QDR 2000 FAST RIGHT FOREARM
193	QDR 1000W HI RESOLUTION
194	QDR 2000 HIRES
200	QDR4500/DELPHI ARRAY SPINE
203	QDR4500/DELPHI ARRAY LEFT HIP
204	QDR4500/DELPHI ARRAY RIGHT HIP
210	QDR4500/DELPHI ARRAY LATERAL
211	QDR4500/DELPHI HI DEFINITION SPINE
212	QDR4500/DELPHI HI DEFINITION LEFT HIP
213	QDR4500/DELPHI HI DEFINITION RIGHT HIP
214	QDR4500/DELPHI HI DEFINITION LATERAL
215	QDR4500/DELPHI FAST SPINE
216	QDR4500/DELPHI FAST LEFT HIP
217	QDR4500/DELPHI FAST RIGHT HIP
218	QDR4500/DELPHI FAST LATERAL

Value	Descriptor
219	QDR4500/DELPHI TURBO SPINE
220	QDR4500/DELPHI TURBO LEFT HIP
221	QDR4500/DELPHI TURBO RIGHT HIP
222	QDR4500/DELPHI ARRAY LEFT FOREARM
223	QDR4500/DELPHI ARRAY RIGHT FOREARM
224	QDR4500/DELPHI ARRAY WHOLE BODY
225	QDR4500/DELPHI FAST CENTERLINE
226	QDR4500/DELPHI ARRAY CENTERLINE
227	QDR4500/DELPHI FAST MORPHOMETRY
228	QDR4500/DELPHI HI DEFINITION MORPHOMETRY
229	QDR4500/DELPHI FAST MORPHOMETRY SINGLE ENERGY
230	QDR4500/DELPHI HI DEFINITION MORPHOMETRY SINGLE ENERGY
231	QDR4500/DELPHI TURBO CENTERLINE
232	QDR4500/DELPHI ARRAY MORPHOMETRY
233	QDR4500/DELPHI SINGLE ENERGY MORPHOMETRY (HIGH)
237	QDR 4500/DELPHI (W) WHOLE BODY
238	QDR 4500/DELPHI STEP PHANTOM
239	QDR 4500/DELPHI(W) STEP PHANTOM

Value	Descriptor
240	QDR4500/DELPHI TURBO SPINE
241	QDR4500/DELPHI TURBO LEFT HIP
242	QDR4500/DELPHI TURBO RIGHT HIP
244	QDR4500/DELPHI ARRAY LEFT FOREARM
245	QDR4500/DELPHI ARRAY RIGHT FOREARM
246	QDR4500/DELPHI RAT WHOLE BODY
247	QDR4500/DELPHI RAT STEP PHANTOM CALIBRATION
248	QDR4500/DELPHI SMALL ANIMAL HIGH RESOLUTION
249	QDR4500/DELPHI DECUBITUS RADIOGRAPHY
250	QDR4500/DELPHI HI DEFINITION DECUBITUS RADIOGRAPHY
256	HIP AS SPINE
260	LOW SPINE
265	SUBREGION SPINE
266	SUBREGION FOREARM
267	SUBREGION HIP
270	SUBREGION HI RESOLUTION

Value	Descriptor
272	SUBREGION HI-RES (272)
273	QDR4500/DELPHI SUBREGION FOREARM
274	QDR4500/DELPHI SUBREGION SPINE
275	QDR4500/DELPHI SUBREGION HIP
276	QDR4500/DELPHI LOW SPINE
300	APEX ENHANCED ARRAY SPINE
303	APEX ENHANCED ARRAY LEFT HIP
304	APEX ENHANCED ARRAY RIGHT HIP
311	APEX ENHANCED HI DEFINITION SPINE
312	APEX ENHANCED HI DEFINITION LEFT HIP
313	APEX ENHANCED HI DEFINITION RIGHT HIP
315	APEX ENHANCED FAST SPINE
316	APEX ENHANCED FAST LEFT HIP
317	APEX ENHANCED FAST RIGHT HIP
319	APEX ENHANCED TURBO SPINE
320	APEX ENHANCED TURBO LEFT HIP
321	APEX ENHANCED TURBO RIGHT HIP
330	APEX ENHANCED EXPRESS SPINE
331	APEX ENHANCED EXPRESS LEFT HIP

Value	Descriptor
332	APEX ENHANCED EXPRESS RIGHT HIP
340	APEX ENHANCED TURBO SPINE
341	APEX ENHANCED TURBO LEFT HIP
342	APEX ENHANCED TURBO RIGHT HIP
504	QDR 1000W WHOLE BODY (NEW)
505	QDR 2000 WHOLE BODY
506	QDR 4500/DELPHI ARRAY WHOLE BODY (FAN BEAM ANALYSIS)
590	QDR CI/WI SINGLE ENERGY AP IMAGE
591	QDR CI/WI SINGLE ENERGY LATERAL IMGE
600	QDR4500/DELPHI HI POWER WHOLE BODY
601	QDR4500/DELPHI HI POWER STEP PHANTOM
602	QDR4500/DELPHI ENHANCED SPINE
603	IVA SINGLE ENERGY AP IMAGE
604	IVA DUAL ENERGY SUPINE LATERAL IMAGE
605	IVA SINGLE ENERGY SUPINE LATERAL IMAGE
606	QDR HIGH DEF SINGLE ENERGY AP IMAGE
607	QDR HIGH DEF SINGLE ENERGY SUPINE LATERAL IMAGE
608	QDR HIGH DEF SINGLE EINERGY RL LATERAL IMAGE
610	QDR4500/DELPHI INFANT WHOLE BODY

Value	Descriptor
620	QDR4500/DELPHI PEDIATRIC WHOLE BODY
621	QDR 2000 PEDIATRIC WHOLE BODY
622	QDR 4500/DELPHI (W) PEDIATRIC WHOLE BODY
630	QDR4500/DELPHI EXPRESS SPINE
631	QDR4500/DELPHI EXPRESS LEFT HIP
632	QDR4500/DELPHI EXPRESS RIGHT HIP
640	QDR EXPLORER EXPLORER SPINE
641	QDR EXPLORER EXPLORER LEFT HIP
642	QDR EXPLORER EXPLORER RIGHT HIP
643	QDR EXPLORER EXPLORER LEFT FOREARM
644	QDR EXPLORER EXPLORER RIGHT FOREARM
645	QDR EXPLORER EXPLORER WHOLEBODY
646	QDR EXPLORER EXPLORER DECUBITUS LATERAL
647	QDR EXPLORER EXPLORER LEFT PROSTHETIC HIP
648	QDR EXPLORER EXPLORER RIGHT PROSTHETIC HIP
649	QDR EXPLORER DETAIL SPINE
650	QDR EXPLORER SURVEY SPINE
651	QDR EXPLORER SURVEY LEFT HIP
652	QDR EXPLORER SURVEY RIGHT HIP

Value	Descriptor
653	QDR EXPLORER STEP PHANTOM CALIBRATION
654	QDR EXPLORER SINGLE ENERGY AP IMAGE
655	QDR EXPLORER SINGLE ENERGY RL LATERAL IMAGE
656	QDR EXPLORER FAST EXPLORER SPINE
657	QDR EXPLORER FAST EXPLORER LEFT HIP
658	QDR EXPLORER FAST EXPLORER RIGHT HIP
701	QDR4500/DELPHI BCA CORRECTION
702	QDR4500/DELPHI BCA HP CORRECTION
703	QDR4500/DELPHI BCA FACTORY CALIBRATION
704	QDR4500/DELPHI BCA HP FACTORY CALIBRATION
710	QDR4500/DELPHI (W) INFANT WHOLEBODY
1265	SUBREGION ARRAY SPINE
1267	SUBREGION ARRAY HIP
1272	SUBREGION TURBO SPINE

RESULT_TYPE Values

Value	Descriptor
0	INVALID RESULT TYPE
1	AP SPINE
2	HIP
3	FOREARM
4	LATERAL
5	WHOLE BODY BONE AND TISSUE
6	WHOLE BODY BONE
7	WHOLE BODY TISSUE
8	GENERAL ROI BONE
9	GENERAL ROI TISSUE
10	GENERAL ROI BONE AND TISSUE
11	WHOLE BODY GENERAL ROI BONE
12	WHOLE BODY GENERAL ROI TISSUE
13	WHOLE BODY GENERAL ROI BONE AND TISSUE

REF_TYPE (REFERENCE DATA TYPE) Values

Value	Descriptor
S	AP SPINE
H	HIP
L	SUPINE LATERAL SPINE
R	FOREARM
W,V	WHOLE BODY

BONE RANGE (REFERENCE DATA REGION) Values

REF_TYPE	BONE_RANGE	Region
S	**1…**	AP Spine L1
S	**.2..**	AP Spine L2
S	**..3.**	AP Spine L3
S	**…4**	AP Spine L4
S	**12..**	AP Spine L1L2
S	**123.**	AP Spine L1L2L3
S	**1234**	AP Spine L1L2L3L4
S	**.234**	AP Spine L2L3L4
S	**..34**	AP Spine L3L4

REF_TYPE	BONE_RANGE	Region
S	**1..4**	AP Spine L1L4
S	**.2.4**	AP Spine L2L4
S	**1.3.**	AP Spine L1L3
S	**1.34**	AP Spine L1L3L4
S	**.23.**	AP Spine L2L3
S	**..34**	AP Spine L3L4
SS	**.234**	Standardized AP Spine L2L3L4
H	**1…**	HIP FEMORAL NECK
H	**.2..**	HIP GREATER TROCHANTER
H	**..3.**	HIP INTER-TROCHANTER
H	**…4**	HIP WARDS TRIANGLE
H	**123.**	HIP TOTAL
L	**.2..**	SUPINE LATERAL SPINE L2 VERTEBRAL BODY
L	**..3.**	SUPINE LATERAL SPINE L3 VERTEBRAL BODY
L	**…4**	SUPINE LATERAL SPINE L4 VERTEBRAL BODY
L	**.234**	SUPINE LATERAL SPINE L2L3L4 VERTEBRAL BODY
L	**..34**	SUPINE LATERAL SPINE L3L4 VERTEBRAL BODY
L	**.2.4**	SUPINE LATERAL SPINE L2L4 VERTEBRAL BODY
L	**.23.**	SUPINE LATERAL SPINE L2L3 VERTEBRAL BODY

REF_TYPE	BONE_RANGE	Region
L	**..34**	SUPINE LATERAL SPINE L3L4 VERTEBRAL BODY
L	**.M..**	SUPINE LATERAL SPINE L2 MID VERTEBRAL BODY
L	**..M.**	SUPINE LATERAL SPINE L3 MID VERTEBRAL BODY
L	**…M**	SUPINE LATERAL SPINE L4 MID VERTEBRAL BODY
L	**.MMM**	SUPINE LATERAL SPINE L2L3L4 MID VERTEBRAL BODY
L	**..MM**	SUPINE LATERAL SPINE L3L4 MID VERTEBRAL BODY
L	**.M.M**	SUPINE LATERAL SPINE L2L4 MID VERTEBRAL BODY
L	**.MM**	SUPINE LATERAL SPINE L2L3 MID VERTEBRAL BODY
L	**..MM**	SUPINE LATERAL SPINE L3L4 MID VERTEBRAL BODY
L	**.V..**	SUPINE LATERAL SPINE L2 VOLUMETRIC VERTEBRAL BODY
L	**..V.**	SUPINE LATERAL SPINE L3 VOLUMETRIC VERTEBRAL BODY
L	**…V**	SUPINE LATERAL SPINE L4 VOLUMETRIC VERTEBRAL BODY
L	**.VVV**	SUPINE LATERAL SPINE L2L3L4 VOLUMETRIC VERTEBRAL BODY
L	**..VV**	SUPINE LATERAL SPINE L3L4 VOLUMETRIC VERTEBRAL BODY
L	**.V.V**	SUPINE LATERAL SPINE L2L4 VOLUMETRIC VERTEBRAL BODY
L	**.VV**	SUPINE LATERAL SPINE L2L3 VOLUMETRIC VERTEBRAL BODY
L	**..VV**	SUPINE LATERAL SPINE L3L4 VOLUMETRIC VERTEBRAL BODY
L	**.W..**	SUPINE LATERAL SPINE L2 VOLUMETRIC MID VERTEBRAL BODY
L	**..W.**	SUPINE LATERAL SPINE L3 VOLUMETRIC MID VERTEBRAL BODY

REF_TYPE	BONE_RANGE	Region
L	**…W**	SUPINE LATERAL SPINE L4 VOLUMETRIC MID VERTEBRAL BODY
L	**.WWW**	SUPINE LATERAL SPINE L2L3L4 VOLUMETRIC MID VERTEBRAL BODY
L	**..WW**	SUPINE LATERAL SPINE L3L4 VOLUMETRIC MID VERTEBRAL BODY
L	**.W.W**	SUPINE LATERAL SPINE L2L4 VOLUMETRIC MID VERTEBRAL BODY
L	**.WW**	SUPINE LATERAL SPINE L2L3 VOLUMETRIC MID VERTEBRAL BODY
L	**..WW**	SUPINE LATERAL SPINE L3L4 VOLUMETRIC MID VERTEBRAL BODY
L	**R..**	1/3 DISTAL RADIUS
L	**.R.**	MID DISTAL RADIUS
L	**..R**	ULTRA DISTAL RADIUS
L	**RRR**	TOTAL DISTAL RADIUS
L	**U..**	1/3 DISTAL ULNA
L	**.U.**	MID DISTAL ULNA
L	**..U**	ULTRA DISTAL ULNA
L	**UUU**	TOTAL DISTAL ULNA
L	**1..**	1/3 DISTAL RADIUS PLUS ULNA
L	**.2.**	MID DISTAL RADIUS PLUS ULNA
L	**..3**	ULTRA DISTAL RADIUS PLUS ULNA
L	**123**	TOTAL DISTAL RADIUS PLUS ULNA
W, V		WHOLE BODY (GLOBAL RESULT)

REF_TYPE	BONE_RANGE	Region
D	**.2..**	DECUBITUS LATERAL SPINE L2 VERTEBRAL BODY
D	**..3.**	DECUBITUS LATERAL SPINE L3 VERTEBRAL BODY
D	**…4**	DECUBITUS LATERAL SPINE L4 VERTEBRAL BODY
D	**.234**	DECUBITUS LATERAL SPINE L2L3L4 VERTEBRAL BODY
D	**..34**	DECUBITUS LATERAL SPINE L3L4 VERTEBRAL BODY
D	**.2.4**	DECUBITUS LATERAL SPINE L2L4 VERTEBRAL BODY
D	**.23.**	DECUBITUS LATERAL SPINE L2L3 VERTEBRAL BODY
D	**..34**	DECUBITUS LATERAL SPINE L3L4 VERTEBRAL BODY

Table: FOREARM

Stores information specific to a forearm scan. This information depends on the kind of results acquired at analysis time. Each forearm scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
R_13_AREA	Bone Area for 1/3 distal radius.	Number (Double)	8
R_13_BMC	Bone Mineral Content for 1/3 distal radius.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
R_13_BMD	Bone Mineral Density for 1/3 distal radius.	Number (Double)	8
R_MID_AREA	Bone Area for mid distal radius.	Number (Double)	8
R_MID_BMC	Bone Mineral Content for mid distal radius.	Number (Double)	8
R_MID_BMD	Bone Mineral Density for mid distal radius.	Number (Double)	8
R_UD_AREA	Bone Area for ultra distal radius.	Number (Double)	8
R_UD_BMC	Bone Mineral Content for ultra distal radius.	Number (Double)	8
R_UD_BMD	Bone Mineral Density for ultra distal radius.	Number (Double)	8
U_13_AREA	Bone Area for 1/3 distal ulna.	Number (Double)	8
U_13_BMC	Bone Mineral Content for 1/3 distal ulna.	Number (Double)	8
U_13_BMD	Bone Mineral Density for 1/3 distal ulna.	Number (Double)	8
U_MID_AREA	Bone Area for mid distal ulna.	Number (Double)	8
U_MID_BMC	Bone Mineral Content for mid distal ulna.	Number (Double)	8
U_MID_BMD	Bone Mineral Density for mid distal ulna.	Number (Double)	8
U_UD_AREA	Bone Area for ultra distal ulna.	Number (Double)	8
U_UD_BMC	Bone Mineral Content for ultra distal ulna.	Number (Double)	8
U_UD_BMD	Bone Mineral Density for ultra distal ulna.	Number (Double)	8
RTOT_AREA	Total Bone Area analysis for radius.	Number (Double)	8
RTOT_BMC	Total BMC analysis for radius.	Number (Double)	8
RTOT_BMD	Total BMD analysis for radius.	Number (Double)	8
UTOT_AREA	Total Bone Area analysis for radius.	Number (Double)	8
UTOT_BMC	Total BMC analysis for radius.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
UTOT_BMD	Total BMD analysis for radius.	Number (Double)	8
RU13TOT_AREA	Total Bone Area for 1/3 distal radius and ulna.	Number (Double)	8
RU13TOT_BMC	Total BMC for 1/3 distal radius and ulna.	Number (Double)	8
RU13TOT_BMD	Total BMD for 1/3 distal radius and ulna.	Number (Double)	8
RUMIDTOT_AREA	Total Bone Area for mid distal radius and ulna.	Number (Double)	8
RUMIDTOT_BMC	Total BMC for mid distal radius and ulna.	Number (Double)	8
RUMIDTOT_BMD	Total BMD for mid distal radius and ulna.	Number (Double)	8
RUUDTOT_AREA	Total Bone Area for ultra distal radius and ulna.	Number (Double)	8
RUUDTOT_BMC	Total BMC for ultra distal radius and ulna.	Number (Double)	8
RUUDTOT_BMD	Total BMD for ultra distal radius and ulna.	Number (Double)	8
RUTOT_AREA	Total Bone Area for radius and ulna.	Number (Double)	8
RUTOT_BMC	Total BMC for radius and ulna.	Number (Double)	8
RUTOT_BMD	Total BMD for radius and ulna.	Number (Double)	8
ROI_TYPE	The type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
ARM_LENGTH	Length of the Arm in mm.	Number (Long)	4
PHYSICIAN_COMMENT	Comments entered by the Physician about the forearm scan.	Memo	Up to 64,000

Table: HIP

Stores information specific to a hip scan. This information depends on the kind of results acquired at analysis time. Each hip scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
TROCH_AREA	Bone Area for Trochanter Bone analysis.	Number (Double)	8
TROCH_BMC	BMC for Trochanter Bone analysis.	Number (Double)	8
TROCH_BMD	BMD for Trochanter Bone analysis.	Number (Double)	8
INTER_AREA	Bone Area for inter -Trochanter Bone analysis.	Number (Double)	8
INTER_BMC	BMC for inter -Trochanter Bone analysis.	Number (Double)	8
INTER_BMD	BMD for inter -Trochanter Bone analysis.	Number (Double)	8
NECK_AREA	Bone Area for Neck Bone analysis.	Number (Double)	8
NECK_BMC	BMC for Neck Bone analysis.	Number (Double)	8
NECK_BMD	BMD for Neck Bone analysis.	Number (Double)	8
WARDS_AREA	Bone Area for Ward’s Triangle Bone analysis.	Number (Double)	8
WARDS_BMC	BMC for Ward’s Triangle Bone analysis.	Number (Double)	8
WARDS_BMD	BMD for Ward’s Triangle Bone analysis.	Number (Double)	8
HTOT_AREA	Bone Area for Total Bone analysis for all included regions.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
HTOT_BMC	BMC for Total Bone analysis for all included regions.	Number (Double)	8
HTOT_BMD	BMD for Total Bone analysis for all included regions.	Number (Double)	8
HSTD_TOT_BMD	Unused, undocumented parameter reserved for future use.	Number (Double)	8
ROI_TYPE	The type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
AXIS_LENGTH	Length of the Hip Axis in cm.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the Hip scan.	Memo	Up to 64,000

Table: HIPHSA

Stores information specific to a hip scan analyzed with the hip structure analysis protocol. Each hip scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
NN_BMD	Narrow Neck Bone Mineral Density (g/cm^2): (NN_CSA / NN_WIDTH) * 1.05	Number (Double)	8
NN_CSA	Narrow Neck Cross Sectional Area (cm^2): (sum of pixel values in	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
	profile)*(pixel spacing along profile/1.05)		
NN_CSMI	Narrow Neck Cross Sectional Moment of Inertia (cm^4): (sum of pixel mass at each point in profile times square of its distance from profile center of mass)*(pixel spacing along profile/1.05)	Number (Double)	8
NN_WIDTH	Narrow Neck Subperiosteal Width (cm): Blur-corrected width of the mass profile	Number (Double)	8
NN_ED	Narrow Neck Endocortical Diameter (cm): 2*((NN_WIDTH / 2)**2 - (0.6 * NN_CSA / pi))**0.5	Number (Double)	8
NN_ACT	Narrow Neck Average Cortical Thickness (cm): (NN_WIDTH – NN_ED) / 2	Number (Double)	8
NN_PCD	Narrow Neck Profile Center Distance (cm): Distance from profile center of mass to medial margin of cortex	Number (Double)	8
NN_CMP	Narrow Neck Center of Mass Position (dimensionless): NN_PCD / NN_WIDTH	Number (Double)	8
NN_SECT_MOD	Narrow Neck Section Modulus (cm^3): If (NN_CMP >= 0.5) then (NN_CSMI / NN_PCD) else (NN_CSMI / (NN_WIDTH – NN_PCD))	Number (Double)	8
NN_BR	Intertrochanter Buckling Ratio (dimensionless): (NN_CSMI / NN_SECT_MOD) / NN_ACT	Number (Double)	8
IT_BMD	Intertrochanter Bone Mineral Density (g/cm^2): (IT_CSA / IT_WIDTH) * 1.05	Number (Double)	8
IT_CSA	Intertrochanter Cross Sectional Area (cm^2): (sum of pixel values in profile)*(pixel spacing along profile/1.05)	Number (Double)	8
IT_CSMI	Intertrochanter Cross Sectional Moment of Inertia (cm^4): (sum of pixel mass at each point in profile times square of its distance from profile center of mass)*(pixel spacing along profile/1.05)	Number (Double)	8
IT_WIDTH	Intertrochanter Subperiosteal Width (cm): Blur-corrected width of the mass profile	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
IT_ED	Intertrochanter Endocortical Diameter (cm): 2*((IT_WIDTH / 2)**2 - (0.6 * IT_CSA / pi))**0.5	Number (Double)	8
IT_ACT	Intertrochanter Average Cortical Thickness (cm): (IT_WIDTH – IT_ED) / 2	Number (Double)	8
IT_PCD	Intertrochanter Profile Center Distance (cm): Distance from profile center of mass to medial margin of cortex	Number (Double)	8
IT_CMP	Intertrochanter Center of Mass Position (dimensionless): IT_PCD / IT_WIDTH	Number (Double)	8
IT_SECT_MOD	Intertrochanter Section Modulus (cm^3): If (IT_CMP >= 0.5) then (IT_CSMI / IT_PCD) else (IT_CSMI / (IT_WIDTH – IT_PCD))	Number (Double)	8
IT_BR	Intertrochanter Buckling Ratio (dimensionless): (IT_CSMI / IT_SECT_MOD) / IT_ACT	Number (Double)	8
FS_BMD	Femur Shaft Bone Mineral Density (g/cm^2): (FS_CSA / FS_WIDTH) * 1.05	Number (Double)	8
FS_CSA	Femur Shaft Cross Sectional Area (cm^2): (sum of pixel values in profile)*(pixel spacing along profile/1.05)	Number (Double)	8
FS_CSMI	Femur Shaft Cross Sectional Moment of Inertia (cm^4): (sum of pixel mass at each point in profile times square of its distance from profile center of mass)*(pixel spacing along profile/1.05)	Number (Double)	8
FS_WIDTH	Femur Shaft Subperiosteal Width (cm): Blur-corrected width of the mass profile	Number (Double)	8
FS_ED	Femur Shaft Endocortical Diameter (cm): 2*((FS_WIDTH / 2)**2 - (0.6 * FS_CSA / pi))**0.5	Number (Double)	8
FS_ACT	Femur Shaft Average Cortical Thickness (cm): (FS_WIDTH – FS_ED) / 2	Number (Double)	8
FS_PCD	Femur Shaft Profile Center Distance (cm): Distance from profile center of mass to medial margin of cortex	Number (Double)	8
FS_CMP	Femur Shaft Center of Mass Position (dimensionless): FS_PCD / FS_WIDTH	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
FS_SECT_MOD	Femur Shaft Section Modulus (cm^3): If (FS_CMP >= 0.5) then (FS_CSMI / FS_PCD) else (FS_CSMI / (FS_WIDTH – FS_PCD))	Number (Double)	8
FS_BR	Intertrochanter Buckling Ratio (dimensionless): (FS_CSMI / FS_SECT_MOD) / FS_ACT	Number (Double)	8
SHAFT_NECK_ANGLE	Angle formed by shaft center line and neck axis in degrees	Number (Double)	8
VAR1	Reserved for future use	Number (Double)	8
VAR2	Reserved for future use	Number (Double)	8
VAR3	Reserved for future use	Number (Double)	8
VAR4	Reserved for future use	Number (Double)	8
VAR5	Reserved for future use	Number (Double)	8
VAR6	Reserved for future use	Number (Double)	8

Table: LATERAL

Stores information specific to a lateral scan. This information depends on the kind of results acquired at analysis time. Each lateral scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12

Column Name	Column Description	Column Type	Column Length
RENORM_FACTOR	BaseLine Compensation Factor.	Number (Double)	8
RENORM_REPORT	BaseLine Compensation Factor.	Number (Double)	8
BCOMP_SCANID	Scan Id of the optional accompanying body composition scan.	Text	10
BCOMP_SERIAL_NUMBER	Serial Number of the baseline compensation scan.	Text	12
NO_REGIONS	Number of Regions included for analysis.	Number (Long)	4
STARTING_REGION	The starting Region used for analysis.	Number (Long)	4
L1_INCLUDED	True if L1 region is included otherwise False.	Yes/No	1
L2_INCLUDED	True if L2 region is included otherwise False.	Yes/No	1
L3_INCLUDED	True if L3 region is included otherwise False.	Yes/No	1
L4_INCLUDED	True if L4 region is included otherwise False.	Yes/No	1
L5_INCLUDED	True if L5 region is included otherwise False.	Yes/No	1
L1_AREA	Bone area of L1 - Anterior aspect of lateral spine.	Number (Double)	8
L1_BMC	BMC of L1 - Anterior aspect of lateral spine.	Number (Double)	8
L1_BMD	BMD of L1 - Anterior aspect of lateral spine.	Number (Double)	8
L1_VBMD	Volumetric BMD of L1 - Anterior aspect of lateral spine.	Number (Double)	8
L1_WIDTH	Width of L1 - Anterior aspect of lateral spine.	Number (Double)	8
L2_AREA	Bone area of L2 - Anterior aspect of lateral spine.	Number (Double)	8
L2_BMC	BMC of L2 - Anterior aspect of lateral spine.	Number (Double)	8
L2_BMD	BMD of L2 - Anterior aspect of lateral spine.	Number (Double)	8
L2_VBMD	Volumetric BMD of L2 - Anterior aspect of lateral spine.	Number (Double)	8
L2_WIDTH	Width of L2 - Anterior aspect of lateral spine.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
L3_AREA	Bone area of L3 - Anterior aspect of lateral spine.	Number (Double)	8
L3_BMC	BMC of L3 - Anterior aspect of lateral spine.	Number (Double)	8
L3_BMD	BMD of L3 - Anterior aspect of lateral spine.	Number (Double)	8
L3_VBMD	VBMD of L3 - Anterior aspect of lateral spine.	Number (Double)	8
L3_WIDTH	Width of the third segment L3 - of the Anterior Spine Bone Analysis results.	Number (Double)	8
L4_AREA	Bone area of L4 - Anterior aspect of lateral spine.	Number (Double)	8
L4_BMC	BMC of L4 - Anterior aspect of lateral spine.	Number (Double)	8
L4_BMD	BMD of L4 - Anterior aspect of lateral spine.	Number (Double)	8
L4_VBMD	Volumetric BMD of L4 - Anterior aspect of lateral spine.	Number (Double)	8
L4_WIDTH	Width of L4 - Anterior aspect of lateral spine.	Number (Double)	8
L5_AREA	Bone area of L5 - Anterior aspect of lateral spine.	Number (Double)	8
L5_BMC	BMC of L5 - Anterior aspect of lateral spine.	Number (Double)	8
L5_BMD	BMD of L5 - Anterior aspect of lateral spine.	Number (Double)	8
L5_VBMD	Volumetric BMD of L5 - Anterior aspect of lateral spine.	Number (Double)	8
L5_WIDTH	Width of L5 - Anterior aspect of lateral spine.	Number (Double)	8
L1_MID_AREA	Bone area of L1 - Core section of the vertebra.	Number (Double)	8
L1_MID_BMC	BMC of L1 - Core section of the vertebra.	Number (Double)	8
L1_MID_BMD	BMD of L1 - Core section of the vertebra.	Number (Double)	8
L1_MID_VBMD	Volumetric BMD of L1 - Core section of the vertebra.	Number (Double)	8
L2_MID_AREA	Bone area of L2 - Core section of the vertebra.	Number (Double)	8
L2_MID_BMC	BMC of L2 - Core section of the vertebra.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
L2_MID_BMD	BMD of L2 - Core section of the vertebra.	Number (Double)	8
L2_MID_VBMD	Volumetric BMD of L2 - Core section of the vertebra.	Number (Double)	8
L3_MID_AREA	Bone area of L3 - Core section of the vertebra.	Number (Double)	8
L3_MID_BMC	BMC of L3 - Core section of the vertebra.	Number (Double)	8
L3_MID_BMD	BMD of L3 - Core section of the vertebra.	Number (Double)	8
L3_MID_VBMD	Volumetric BMD of L3 - Core section of the vertebra.	Number (Double)	8
L4_MID_AREA	Bone area of L4 - Core section of the vertebra.	Number (Double)	8
L4_MID_BMC	BMC of L4 - Core section of the vertebra.	Number (Double)	8
L4_MID_BMD	BMD of L4 - Core section of the vertebra.	Number (Double)	8
L4_MID_VBMD	Volumetric BMD of L4 - Core section of the vertebra.	Number (Double)	8
L5_MID_AREA	Bone area of L5 - Core section of the vertebra.	Number (Double)	8
L5_MID_BMC	BMC of L5 - Core section of the vertebra.	Number (Double)	8
L5_MID_BMD	BMD of L5 - Core section of the vertebra.	Number (Double)	8
L5_MID_VBMD	Volumetric BMD of L5 - Core section of the vertebra.	Number (Double)	8
LTOT_AREA	Total Bone Area for all included region	Number (Double)	8
LTOT_BMC	Total BMC for all included regions.	Number (Double)	8
LTOT_BMD	Total BMD for all included regions.	Number (Double)	8
LTOT_VBMD	Total Volumetric BMD for all included regions.	Number (Double)	8
MIDTOT_AREA	Total area for all mid (core) sections.	Number (Double)	8
MIDTOT_BMC	Total BMC for all mid (core) sections.	Number (Double)	8
MIDTOT_BMD	Total BMD for all mid (core) sections.	Number (Double)	8
MIDTOT_VBMD			

Column Name	Column Description	Column Type	Column Length
ROI_TYPE	The type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
L1_P&A_AREA	Bone area of L1 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L1_P&A_BMC	BMC of L1 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L2_P&A_AREA	Bone area of L2 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L2_P&A_BMC	BMC of L2 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L3_P&A_AREA	Bone area of L3 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L3_P&A_BMC	BMC of L3 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L4_P&A_AREA	Bone area of L4 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L4_P&A_BMC	BMC of L4 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L5_P&A_AREA	Bone area of L5 - anterior and posterior aspects of lateral spine.	Number (Double)	8
L5_P&A_BMC	BMC of L5 - anterior and posterior aspects of lateral spine.	Number (Double)	8
TOTAL_P&A_AREA	Total Bone area of anterior and posterior aspects of lateral spine.	Number (Double)	8
TOTAL_P&A_BMC	Total BMC of anterior and posterior aspects of lateral spine.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the Lateral scan.	Memo	Up to 64,000

Table: SPINE

Stores information specific to a spine scan. This information depends on the kind of results acquired at analysis time. Each spine scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
NO_REGIONS	Number of Regions included for analysis.	Number (Long)	4
STARTING_REGION	The starting Region used for analysis.	Number (Long)	4
L1_INCLUDED	True if L1 region is included otherwise False.	Yes/No	1
L2_INCLUDED	True if L2 region is included otherwise False.	Yes/No	1
L3_INCLUDED	True if L3 region is included otherwise False.	Yes/No	1
L4_INCLUDED	True if L4 region is included otherwise False.	Yes/No	1
L5_INCLUDED	True if L5 region is included otherwise False.	Yes/No	1
L1_AREA	Bone area of L1.	Number (Double)	8
L1_BMC	BMC of L1.	Number (Double)	8
L1_BMD	BMD of L1.	Number (Double)	8
L2_AREA	Bone area of L2.	Number (Double)	8
L2_BMC	BMC of L2.	Number (Double)	8
L2_BMD	BMD of L2.	Number (Double)	8
L3_AREA	Bone area of L3.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
L3_BMC	BMC of L3.	Number (Double)	8
L3_BMD	BMD of L3.	Number (Double)	8
L4_AREA	Bone area of L4.	Number (Double)	8
L4_BMC	BMC of L4.	Number (Double)	8
L4_BMD	BMD of L4.	Number (Double)	8
L5_AREA	Bone area of L5.	Number (Double)	8
L5_BMC	BMC of L5.	Number (Double)	8
L5_BMD	BMD of L5.	Number (Double)	8
TOT_AREA	Total Bone area for the regions included.	Number (Double)	8
TOT_BMC	Total BMC for the regions included.	Number (Double)	8
TOT_BMD	Total BMD for the regions included.	Number (Double)	8
STD_TOT_BMD	Total BMD for a standardized set of regions (L2L3L4).	Number (Double)	8
ROI_TYPE	The type of Region of Interest analysis to be done – closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the Spine scan.	Memo	Up to 64,000

Table: SUBREGIONBONE

Stores information specific to a general region bone scan. This information depends on the kind of results acquired at analysis time. Each general region bone scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
NO_REGIONS	Number of the Regions.	Number (Long)	4
ROI_TYPE	The type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
NET_AVG_AREA	Total Bone area for all included sub-regions.	Number (Double)	8
NET_AVG_BMC	Total BMC for all included sub-regions.	Number (Double)	8
NET_AVG_BMD	Total BMD for all included sub-regions.	Number (Double)	8
GLOBAL_AREA	Bone area for the entire global region.	Number (Double)	8
GLOBAL_BMC	Total BMC for the entire global region.	Number (Double)	8
GLOBAL_BMD	Total BMD for the entire global region.	Number (Double)	8
REG1_NAME	Name of the region 1.	Text	6
REG1_AREA	Bone area of region 1.	Number (Double)	8
REG1_BMC	BMC of region 1.	Number (Double)	8
REG1_BMD	BMD for region 1.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG2_NAME	Name of the region 2.	Text	6
REG2_AREA	Bone area of region 2.	Number (Double)	8
REG2_BMC	BMC of region 2.	Number (Double)	8
REG2_BMD	BMD for region 2.	Number (Double)	8
REG3_NAME	Name of the region 3.	Text	6
REG3_AREA	Bone area of region 3.	Number (Double)	8
REG3_BMC	BMC of region 3.	Number (Double)	8
REG3_BMD	BMD for region 3.	Number (Double)	8
REG4_NAME	Name of the region 4.	Text	6
REG4_AREA	Bone area of region 4.	Number (Double)	8
REG4_BMC	BMC of region 4.	Number (Double)	8
REG4_BMD	BMD for region 4.	Number (Double)	8
REG5_NAME	Name of the region 5.	Text	6
REG5_AREA	Bone area of region 5.	Number (Double)	8
REG5_BMC	BMC of region 5.	Number (Double)	8
REG5_BMD	BMD for region 5.	Number (Double)	8
REG6_NAME	Name of the region 6.	Text	6
REG6_AREA	Bone area of region 6.	Number (Double)	8
REG6_BMC	BMC of region 6.	Number (Double)	8
REG6_BMD	BMD for region 6.	Number (Double)	8
REG7_NAME	Name of the region 7.	Text	6
REG7_AREA	Bone area of region 7.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG7_BMC	BMC of region 7.	Number (Double)	8
REG7_BMD	BMD for region 7.	Number (Double)	8
REG8_NAME	Name of the region 8.	Text	6
REG8_AREA	Bone area of region 8.	Number (Double)	8
REG8_BMC	BMC of region 8.	Number (Double)	8
REG8_BMD	BMD for region 8.	Number (Double)	8
REG9_NAME	Name of the region 9.	Text	6
REG9_AREA	Bone area of region 9.	Number (Double)	8
REG9_BMC	BMC of region 9.	Number (Double)	8
REG9_BMD	BMD for region 9.	Number (Double)	8
REG10_NAME	Name of the region 10.	Text	6
REG10_AREA	Bone area of region 10.	Number (Double)	8
REG10_BMC	BMC of region 10.	Number (Double)	8
REG10_BMD	BMD for region 10.	Number (Double)	8
REG11_NAME	Name of the region 11.	Text	6
REG11_AREA	Bone area of region 11.	Number (Double)	8
REG11_BMC	BMC of region 11.	Number (Double)	8
REG11_BMD	BMD for region 11.	Number (Double)	8
REG12_NAME	Name of the region 12.	Text	6
REG12_AREA	Bone area of region 12.	Number (Double)	8
REG12_BMC	BMC of region 12.	Number (Double)	8
REG12_BMD	BMD for region 12	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG13_NAME	Name of the region 13.	Text	6
REG13_AREA	Bone area of region 13.	Number (Double)	8
REG13_BMC	BMC of region 13.	Number (Double)	8
REG13_BMD	BMD for region 13.	Number (Double)	8
REG14_NAME	Name of the region 14.	Text	6
REG14_AREA	Bone area of region 14.	Number (Double)	8
REG14_BMC	BMC of region 14.	Number (Double)	8
REG14_BMD	BMD for region 14.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the General Region Bone scan.	Memo	Up to 64,000

Table: SUBREGIONCOMPOSITION

Stores information specific to general region composition. This information depends on the kind of results acquired at analysis time. Each general region composition results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
STEP_PHANTOM_ID	The Step Phantom Id.	Text	64
FAT_STD	Standard for fat tissue calibration.	Number (Double)	8
LEAN_STD	Standard for lean tissue calibration.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
BRAIN_FAT	Assumed % of the brain tissue.	Number (Double)	8
WATER_LBM	% of the lean body mass that is water.	Number (Double)	8
NO_REGIONS	Number of the regions.	Number (Long)	4
ROI_TYPE	Type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
NET_AVG_FAT	Total Tissue Fat in grams for all included regions.	Number (Double)	8
NET_AVG_LEAN	Total Lean Tissue in grams for all included regions.	Number (Double)	8
NET_AVG_MASS	Total Mass in grams for all included regions.	Number (Double)	8
NET_AVG_PFAT	Total Percentage Tissue Fat for all included regions.	Number (Double)	8
GLOBAL_FAT	Fat Tissue in grams for the entire global region.	Number (Double)	8
GLOBAL_LEAN	Lean Tissue in grams for the entire global region.	Number (Double)	8
GLOBAL_MASS	Mass in grams for the entire global region.	Number (Double)	8
GLOBAL_PFAT	Percentage Tissue Fat for the entire global region.	Number (Double)	8
REG1_NAME	Name of the region 1.	Text	6
REG1_FAT	Fat Tissue Mass in region 1.	Number (Double)	8
REG1_LEAN	Lean Tissue Mass in region 1.	Number (Double)	8
REG1_MASS	Mass in region 1.	Number (Double)	8
REG1_PFAT	Percentage Tissue Fat in region 1.	Number (Double)	8
REG2_NAME	Name of the region 2.	Text	6
REG2_FAT	Fat Tissue Mass in region 2.	Number (Double)	8
REG2_LEAN	Lean Tissue Mass in region 2.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG2_MASS	Mass in region 2.	Number (Double)	8
REG2_PFAT	Percentage Tissue Fat in region 2.	Number (Double)	8
REG3_NAME	Name of the region 3.	Text	6
REG3_FAT	Fat Tissue Mass in region 3.	Number (Double)	8
REG3_LEAN	Lean Tissue Mass in region 3.	Number (Double)	8
REG3_MASS	Mass in region 3.	Number (Double)	8
REG3_PFAT	Percentage Tissue Fat in region 3.	Number (Double)	8
REG4_NAME	Name of the region 4.	Text	6
REG4_FAT	Fat Tissue Mass in region 4.	Number (Double)	8
REG4_LEAN	Lean Tissue Mass in region 4.	Number (Double)	8
REG4_MASS	Mass in region 4.	Number (Double)	8
REG4_PFAT	Percentage Tissue Fat in region 4.	Number (Double)	8
REG5_NAME	Name of the region 5.	Text	6
REG5_FAT	Fat Tissue Mass in region 5.	Number (Double)	8
REG5_LEAN	Lean Tissue Mass in region 5.	Number (Double)	8
REG5_MASS	Mass in region 5.	Number (Double)	8
REG5_PFAT	Percentage Tissue Fat in region 5.	Number (Double)	8
REG6_NAME	Name of the region 6.	Text	6
REG6_FAT	Fat Tissue Mass in region 6.	Number (Double)	8
REG6_LEAN	Lean Tissue Mass in region 6.	Number (Double)	8
REG6_MASS	Mass in region 6.	Number (Double)	8
REG6_PFAT	Percentage Tissue Fat in region 6.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG7_NAME	Name of the region 7.	Text	6
REG7_FAT	Fat Tissue Mass in region 7.	Number (Double)	8
REG7_LEAN	Lean Tissue Mass in region 7.	Number (Double)	8
REG7_MASS	Mass in region 7.	Number (Double)	8
REG7_PFAT	Percentage Tissue Fat in region 7.	Number (Double)	8
REG8_NAME	Name of the region 8.	Text	6
REG8_FAT	Fat Tissue Mass in region 8.	Number (Double)	8
REG8_LEAN	Lean Tissue Mass in region 8.	Number (Double)	8
REG8_MASS	Mass in region 8.	Number (Double)	8
REG8_PFAT	Percentage Tissue Fat in region 8.	Number (Double)	8
REG9_NAME	Name of the region 9.	Text	6
REG9_FAT	Fat Tissue Mass in region 9.	Number (Double)	8
REG9_LEAN	Lean Tissue Mass in region 9.	Number (Double)	8
REG9_MASS	Mass in region 9.	Number (Double)	8
REG9_PFAT	Percentage Tissue Fat in region 9.	Number (Double)	8
REG10_NAME	Name of the region 10.	Text	6
REG10_FAT	Fat Tissue Mass in region 10.	Number (Double)	8
REG10_LEAN	Lean Tissue Mass in region 10.	Number (Double)	8
REG10_MASS	Mass in region 10.	Number (Double)	8
REG10_PFAT	Percentage Tissue Fat in region 10.	Number (Double)	8
REG11_NAME	Name of the region 11.	Text	6
REG11_FAT	Fat Tissue Mass in region 11.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
REG11_LEAN	Lean Tissue Mass in region 11.	Number (Double)	8
REG11_MASS	Mass in region 11.	Number (Double)	8
REG11_PFAT	Percentage Tissue Fat in region 11.	Number (Double)	8
REG12_NAME	Name of the region 12.	Text	6
REG12_FAT	Fat Tissue Mass in region 12.	Number (Double)	8
REG12_LEAN	Lean Tissue Mass in region 12.	Number (Double)	8
REG12_MASS	Mass in region 12.	Number (Double)	8
REG12_PFAT	Percentage Tissue Fat in region 12.	Number (Double)	8
REG13_NAME	Name of the region 13.	Text	6
REG13_FAT	Fat Tissue Mass in region 13.	Number (Double)	8
REG13_LEAN	Lean Tissue Mass in region 13.	Number (Double)	8
REG13_MASS	Mass in region 13.	Number (Double)	8
REG13_PFAT	Percentage Tissue Fat in region 13.	Number (Double)	8
REG14_NAME	Name of the region 14.	Text	6
REG14_FAT	Fat Tissue Mass in region 14.	Number (Double)	8
REG14_LEAN	Lean Tissue Mass in region 14.	Number (Double)	8
REG14_MASS	Mass in region 14.	Number (Double)	8
REG14_PFAT	Percentage Tissue Fat in region 14.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the General Region Composition.	Memo	Up to 64,000
TISSUE_ANALYSIS_METHOD	Tissue Analysis Method (Coded entry. See Tissue_Analysis_Method Values following the SubregionComposition table for details.)	Number (Integer)	4

Tissue_Analysis_Method Values

Value	Tissue Analysis Method
0	No Method
1	Basic Method
2	NHANES Method

Table: WBODY

Stores information specific to a whole body scan. This information depends on the kind of results acquired at analysis time. Each whole body scan results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
STEP_PHANTOM_ID	The Step Phantom Id.	Text	64
WBTOT_AREA	Total Bone area for all included regions.	Number (Double)	8
WBTOT_BMC	Total BMC for all included regions.	Number (Double)	8
WBTOT_BMD	Total BMD for all included regions.	Number (Double)	8
SUBTOT_AREA	Total bone area excluding the head region.	Number (Double)	8
SUBTOT_BMC	Total BMC excluding the head region.	Number (Double)	8
SUBTOT_BMD	Total BMD excluding the head region.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
HEAD_AREA	Bone area for the Head region Bone analysis.	Number (Double)	8
HEAD_BMC	BMC for the Head region.	Number (Double)	8
HEAD_BMD	BMD for the Head region.	Number (Double)	8
LARM_AREA	Bone area for Left Arm Region.	Number (Double)	8
LARM_BMC	BMC for Left Arm Region.	Number (Double)	8
LARM_BMD	BMD for Left Arm Region.	Number (Double)	8
RARM_AREA	Bone area for Right Arm Region.	Number (Double)	8
RARM_BMC	BMC for Right Arm Region.	Number (Double)	8
RARM_BMD	BMD for Right Arm Region.	Number (Double)	8
LRIB_AREA	Bone area for Left Rib Region.	Number (Double)	8
LRIB_BMC	BMC for Left Rib Region.	Number (Double)	8
LRIB_BMD	BMD for Left Rib Region.	Number (Double)	8
RRIB_AREA	Bone for Right Rib Region.	Number (Double)	8
RRIB_BMC	BMC for Right Rib Region.	Number (Double)	8
RRIB_BMD	BMD for Right Rib Region.	Number (Double)	8
T_S_AREA	Bone area for Thoracic Region.	Number (Double)	8
T_S_BMC	BMC for Thoracic Region.	Number (Double)	8
T_S_BMD	BMD for Thoracic Region.	Number (Double)	8
L_S_AREA	Bone area for Lumbar Spine Region.	Number (Double)	8
L_S_BMC	BMC for Lumbar Spine Region.	Number (Double)	8
L_S_BMD	BMD for Lumbar Spine Region.	Number (Double)	8
PELV_AREA	Bone area for Pelvic Region.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
PELV_BMC	BMC for Pelvic Region.	Number (Double)	8
PELV_BMD	BMD for Pelvic Region.	Number (Double)	8
LLEG_AREA	Bone for Left Leg Region.	Number (Double)	8
LLEG_BMC	BMC for Left Leg Region.	Number (Double)	8
LLEG_BMD	BMD for Left Leg Region.	Number (Double)	8
RLEG_AREA	Bone Area for Right Leg Region.	Number (Double)	8
RLEG_BMC	BMC for Right Leg Region.	Number (Double)	8
RLEG_BMD	BMD for Right Leg Region.	Number (Double)	8
ROI_TYPE	The type of Region of Interest analysis to be done – closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the Whole Body scan.	Memo	Up to 64,000

Table: WBODYCOMPOSITION

Stores information specific to whole body composition. This information depends on the kind of results acquired at analysis time. Each whole body composition results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
STEP_PHANTOM_ID	The Step Phantom Id.	Text	64
FAT_STD	Standard for fat tissue calibration.	Number (Double)	8
LEAN_STD	Standard for lean tissue calibration.	Number (Double)	8
BRAIN_FAT	Assumed % of the brain tissue.	Number (Double)	8
WATER_LBM	% of the lean body mass that is water.	Number (Double)	8
HEAD_FAT	Grams of Fat tissue in Head region.	Number (Double)	8
HEAD_LEAN	Grams of Lean tissue in Head region.	Number (Double)	8
HEAD_MASS	Mass in grams in Head region.	Number (Double)	8
HEAD_PFAT	Percentage of fat tissue to total tissue mass in Head region.	Number (Long)	4
LARM_FAT	Grams of Fat tissue in Left arm region.	Number (Double)	8
LARM_LEAN	Grams of Lean tissue in Left arm region.	Number (Double)	8
LARM_MASS	Mass in grams in Left arm region.	Number (Double)	8
LARM_PFAT	Percentage of fat tissue to total tissue mass in Left arm region.	Number (Long)	4
RARM_FAT	Grams of Fat tissue in Right arm region.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
RARM_LEAN	Grams of Lean tissue in Right arm region.	Number (Double)	8
RARM_MASS	Mass in grams in Right arm region.	Number (Double)	8
RARM_PFAT	Percentage of fat tissue to total tissue mass in Right arm region.	Number (Long)	4
TRUNK_FAT	Grams of Fat tissue in Trunk region.	Number (Double)	8
TRUNK_LEAN	Grams of Lean tissue in Trunk region.	Number (Double)	8
TRUNK_MASS	Mass in grams in Trunk region.	Number (Double)	8
TRUNK_PFAT	Percentage of fat tissue to total tissue mass in Trunk region.	Number (Long)	4
L_LEG_FAT	Grams of Fat tissue in Left leg region.	Number (Double)	8
L_LEG_LEAN	Grams of Lean tissue in Left leg region.	Number (Double)	8
L_LEG_MASS	Mass in grams in Left leg region.	Number (Double)	8
L_LEG_PFAT	Percentage of fat tissue to total tissue mass in Left leg region.	Number (Long)	4
R_LEG_FAT	Grams of Fat tissue in Right leg region.	Number (Double)	8
R_LEG_LEAN	Grams of Lean tissue in Right leg region.	Number (Double)	8
R_LEG_MASS	Mass in grams in Right leg region.	Number (Double)	8
R_LEG_PFAT	Percentage of fat tissue to total tissue mass in Right leg region.	Number (Long)	4
SUBTOT_FAT	Grams of Fat tissue in Summary.	Number (Double)	8
SUBTOT_LEAN	Grams of Lean tissue in Summary.	Number (Double)	8
SUBTOT_MASS	Mass in grams in Summary.	Number (Double)	8
SUBTOT_PFAT	Percentage of fat tissue to total tissue mass in Summary.	Number (Long)	4
WBTOT_FAT	Total Grams of Fat tissue in all included regions.	Number (Double)	8
WBTOT_LEAN	Total Grams of Lean tissue in all included regions.	Number (Double)	8
WBTOT_MASS	Total Mass in grams in all included regions.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
WBTOT_PFAT	Percentage of fat tissue to total tissue mass in all included regions.	Number (Long)	4
ROI_TYPE	The type of Region of Interest analysis to be done - closely related to scan type.	Number (Long)	4
ROI_WIDTH	Width of ROI in cm.	Number (Double)	8
ROI_HEIGHT	Height of ROI in cm.	Number (Double)	8
PHYSICIAN_COMMENT	Comments entered by the Physician about the Whole Body Composition scan.	Memo	Up to 64,000
TISSUE_ANALYSIS_METHOD	Tissue Analysis Method (Coded entry. See Tissue_Analysis_Method Values following the SubregionComposition table for details.)	Number (Integer)	4

Table: REFERENCERESULTS

Stores Region Reference information. This is the data concerning the information which stores fields like T and Z scores. A region reference record is identified by a combination of 5 fields (PATIENT_KEY, SCANID, SERIAL_NUMBER, REF_TYPE, and BONERANGE).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
REF_TYPE	The region used for reference e.g. S for Spine, D for Decubitus etc.	Text	2
BONERANGE	The different areas of the bone which have been analyzed e.g. in Spine it’s value can be 1234 etc.	Text	8

Column Name	Column Description	Column Type	Column Length
T_SCORE	Results expressed in number of standard deviations from the mean for a healthy reference population - without age compensation.	Number (Double)	8
Z_SCORE	Results expressed in number of standard deviations from the mean for a healthy reference population of matching age.	Number (Double)	8
TITLE	Title of the curve i.e. a description.	Text	63
AGE_YOUNG	The age for the young normal value.	Number (Double)	8
PCT_T	Results expressed as a percentage of the mean for a healthy reference population at peak age.	Number (Double)	8
PCT_Z	Results expressed as a percentage of the mean for a healthy reference population of matching age.	Number (Double)	8

Table: SYSTEMID

Stores system parameters. This is the data pertaining to values used while creating a new patient ids, scan ids etc. These values include: last patient number used for creating a new patient id, last scan number used for creating a new scan id.

Column Name	Column Description	Column Type	Column Length
LastPatientNo	Stores the last Patient Sequence number used. It is used to construct a new Patient Id every time a new Patient is entered.	Number (Long)	4
LastPatientDate	Stores the Last date when a new patient was created.	Date/Time	8
LastScanNo	Stores the last Scan Sequence number used on a particular date. It is used to construct a new Scan Id every time a new Scan is created.	Number (Long)	4
LastScanDate	Stores the Last Scan date when a new scan id was created.	Date/Time	8
LabelSequenceNo	Stores the Last Label Sequence Number used for Archive.	Number (Long)	4
SaveSetSequenceNo	Stores the Last Save Set Sequence Number used for Archive.	Number (Long)	4
LastPhysicianNo	Stores the last Physician Sequence number used. It is used to construct a new Physician Id every time a new Referring Physician is entered.	Number (Long)	4

Table: REFPHYSICIAN

Stores referring physician names.

Column Name	Column Description	Column Type	Column Length
PHY_NAME	Physician’s Name. Also acts as the Unique Id for the RefPhysician table.	Text	64

Table: QCPARAM

Stores QC information. This is the data pertaining to the QC parameter values for every combination of phantom, scan type and scan mode. A composite primary key consisting of PHANTOM_ID, PHANTOM_TYPE, SCAN_TYPE,SCAN_MODE, and SERIAL_NUMBER identify each unique record in this table.

Column Name	Column Description	Column Type	Column Length
PHANTOM_ID	Id for the Phantom.e.g B001 for block Phantom number 1 or H001 for Hip Phantom 1.	Text	12
PHANTOM_TYPE	Type of the phantom e.g. Block, Hip etc. (Coded entry. See Phantom_Type Values following the Patient table for details.)	Number (Long)	4
SCAN_TYPE	The type of this scan e.g. hip spine, lateral etc.	Number (Long)	4
SCAN_MODE	The mode of the scan e.g. fast, array etc.	Number (Long)	4
SERIAL_NUMBER	Serial Number of the machine	Text	12
BMD_MEAN	Mean BMD for QC setup.	Number (Double)	8
BMD_STDEV	Standard deviation of BMD for QC setup.	Number (Double)	8
BMD_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
BMD_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
BMC_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
BMC_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
BMC_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
BMC_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
AREA_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
AREA_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
AREA_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
AREA_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
K_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
K_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
K_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
K_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
D0_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
D0_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
D0_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
D0_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
HIA_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
HIA_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
HIA_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
HIA_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
LOA_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
LOA_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
LOA_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
LOA_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
ACF_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
ACF_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
ACF_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
ACF_TICK	Undocumented parameter related to QC setup.	Number (Double)	8

Column Name	Column Description	Column Type	Column Length
BCF_MEAN	Undocumented parameter related to QC setup.	Number (Double)	8
BCF_STDEV	Undocumented parameter related to QC setup.	Number (Double)	8
BCF_CENTER	Undocumented parameter related to QC setup.	Number (Double)	8
BCF_TICK	Undocumented parameter related to QC setup.	Number (Double)	8
LAST_UPDATE	Stores the Last date when record was updated.	Date/Time	8

Table: TENYEARFXRISK

Stores information used for calculating the ten-year fracture risk for patients. Each results are unique to one scan only and are identified by a combination of three fields (PATIENT_KEY, SCANID and SERIAL_NUMBER).

Column Name	Column Description	Column Type	Column Length
PATIENT_KEY	A unique identifier for each patient (see Table Identifiers - PatientKey for details).	Text	24
SCANID	A unique identifier for a scan (see Table Identifiers - ScanID for details).	Text	13
SERIAL_NUMBER	Serial Number of the machine on which the patient was scanned.	Text	12
COUNTRY_CODE	Country code	Number (Integer)	4
AGE	Age in years	Number (Double)	8
SEX	Sex of patient - 0 Male and 1 Female	Number (Long)	4
BMI	Body mass index	Number (Double)	8
PREV_FX	Does the patient have a previous fracture (0 no and 1 yes)	Number (Integer)	4
PARENT_FX	Does either patient's parent have any fractures	Number (Integer)	4

Column Name	Column Description	Column Type	Column Length
CURR_SMOKER	Does the patient currently smoke	Number (Integer)	4
GLUCOCORTICOID	Does the patient currently take fluccocorticoid	Number (Integer)	4
RH_ARTHIRITS	Does the patient have Rheumatoid arthritis	Number (Integer)	4
OSTEO2	Does the patient have secondary osteoporosis	Number (Integer)	4
DAILYALCOHOL	Does the patient consume more than two drinks per day	Number (Integer)	4
L_NECK_BMD	Left femoral neck BMD	Number (Double)	8
L_HIP_SCAN_DATE	Date and time of last left hip scan	Date/Time	8
R_NECK_BMD	Right femoral neck BMD	Number (Double)	8
R_HIP_SCAN_DATE	Date and time of last right hip scan	Date/Time	8
UPDATEFLAG	Date of last update to any of the information	Date/Time	8
FIELD1	Reserved for future use	Number (Double)	8
FIELD2	Reserved for future use	Number (Double)	8
VERSION	Version of the program used for calculation	Number (Double)	8
I_THRESH_1	Intervention threshold 1	Number (Double)	8
I_THRESH_2	Intervention threshold 2	Number (Double)	8
HIP_FX_RISK	10 year hip fracture risk	Number (Double)	8
FX_RISK	10 year any fracture risk	Number (Double)	8
RESULTSCALCDATE	Date and time of last calculation	Date/Time	8
FIELD3	Reserved for future use	Number (Double)	8
FIELD4	Reserved for future use	Number (Double)	8

Table: VERSION

Stores information about the database file version.

Column Name	Column Description	Column Type	Column Length
Version	Version of the database file	Text	50

Table: AndroidGynoidComposition

Column Name	Column Description	Column Type
PATIENT_KEY	Text	24
SCANID	Text	13
SERIAL_NUMBER	Text	12
STEP_PHANTOM_ID	Text	64
FAT_STD	Number (Double)	8
LEAN_STD	Number (Double)	8
BRAIN_FAT	Number (Double)	8
WATER_LBM	Number (Double)	8
TISSUE_ANALYSIS_METHOD	Number (Integer)	2
ANDROID_FAT	Number (Double)	8
ANDROID_LEAN	Number (Double)	8
GYNOID_FAT	Number (Double)	8
GYNOID_LEAN	Number (Double)	8
PHYSICIAN_COMMENT	Memo	.

Table: ObesityIndices

Column Name	Column Description	Column Type
PATIENT_KEY	Text	24
SCANID	Text	13
SERIAL_NUMBER	Text	12
STEP_PHANTOM_ID	Text	64
FAT_STD	Number (Double)	8
LEAN_STD	Number (Double)	8
BRAIN_FAT	Number (Double)	8
WATER_LBM	Number (Double)	8
TISSUE_ANALYSIS_METHOD	Number (Integer)	2
TOTAL_PERCENT_FAT	Number (Double)	8
BODY_MASS_INDEX	Number (Double)	8
ANDROID_GYNOID_RATIO	Number (Double)	8
ANDROID_PERCENT_FAT	Number (Double)	8
GYNOID_PERCENT_FAT	Number (Double)	8
FAT_MASS_RATIO	Number (Double)	8
TRUNK_LIMB_FAT_MASS_RATIO	Number (Double)	8
FAT_MASS_HEIGHT_SQUARED	Number (Double)	8
TOTAL_FAT_MASS	Number (Double)	8

LEAN_MASS_HEIGHT_SQUARED	Number (Double)	8
APPENDAGE_LEAN_MASS_HEIGHT_2	Number (Double)	8
TOTAL_LEAN_MASS	Number (Double)	8
PHYSICIAN_COMMENT	Memo	.

Table: REFERENCECURVE

Stores information for different combinations of reference curves. Each reference curve applies to a specific scan type, analysis type, bone region, patient sex and ethnic group.

Column Name	Column Description	Column Type	Column Length
UNIQUE_ID	A unique identifier for identifying a particular curve within the system.	Number (Long)	4
IF_CURRENT	Indicates whether the curve is being used - has a value 1 if it's being used else 0 Each reference curve has a True/ False indicator that tells if this curve is current. The currency indicator lets you keep more than one reference curve (for the same sex, ethnic group, scan type and bone region) at the same time, but only one of these curves can be current.	Yes/No	1
ETHNIC	Indicates the ethnicity of the patient - which ethnic group the patient belongs.	Text	2
SEX	Indicates the gender of the patient M or F	Text	1
REFTYPE	Indicates type of scan - hip, forearm, spine etc. It is stored as a string.	Text	2
BONERANGE	The different areas of the bone which have been analyzed e.g. in Spine it’s value can be 1234 etc.	Text	8

Column Name	Column Description	Column Type	Column Length
IF_DEFAULT	Default is a Yes/No field. Only one curve should be marked as default for each analysis type, sex and ethnic group. A curve that is so marked is used by Normals if no curve matching the criteria is current.	Yes/No	1
AUTHOR	The author's initials.	Text	5
DATE	The date when the values were appended.	Date/Time	8
HOLOGIC	Indicates whether Hologic provided the values.	Yes/No	1
CURVE_SET	The type of curve e.g. WB Total. It is stored as a number.	Text	10
SOURCE	The source of the curve.	Text	63
COMMENT	The comment provided by the operator	Text	63
Y_MIN	Y-Axis Minimum for this particular curve.	Number (Double)	8
Y_MAX	Y-Axis Maximum for this particular curve.	Number (Double)	8
X_MIN	X-Axis Minimum for this particular curve.	Number (Double)	8
X_MAX	X-Axis Maximum for this particular curve.	Number (Double)	8
AGE_YOUNG	Age of young normals for this curve.	Number (Double)	8
X_LABEL	Label for X-Axis	Text	63
Y_LABEL	Label for Y-Axis	Text	63
METHOD	Analysis method	Text	63

Table: POINTS

Stores Bone Mineral Density and standard deviation for different age combinations for each curve in the REFERENCECURVE table.

Column Name	Column Description	Column Type	Column Length
UNIQUE_ID	A unique identifier for relating to the curve in the Reference table.	Number (Long)	4
X_VALUE	X Value	Number (Double)	8
Y_VALUE	Y Value	Number (Double)	8
STD	Standard deviation for that particular X Value.	Number (Double)	8
L_VALUE	Skew value for the point	Number (Double)	8