

Guide for Measurement Coding

Code	Measurement
<i>Cranium (C)</i>	
CBAPO	Chord: ba-po
CBAST	Chord: b-ast
CBPO	Chord: b-po
CBZO	Chord: b-zo
CDGL	Length: digastric groove
CECMIS	Chord: ecm-intermaxillary suture
CFMTB	Chord: fmt-b
CFMTN	Chord: fmt-n
CFMTNS	Chord: fmt-ns
CLAST	Chord: l-ast
CLFMT	Chord: l-fmt
CMAH	Height: malar
CMPB	Breadth: mastoid process
CMPH	Height: mastoid process
CMPL	Length: mastoid process
CMSAST	Chord: ms-ast
CNMS	Chord: n-ms
CNOR	Chord: n-or
COBB	Breadth: orbit
COBH	Height: orbit
COCL	Length: occipital condyle
COPO	Chord: o-po
<i>Mandible (M)</i>	
MAL	Length: mandible
MIRB	Minimum breadth: ramus
MRH	Maximum height: ramus
MXRB	Maximum breath: ramus
<i>Clavicle (CV)</i>	
CVIMS	Minimum diameter: midshaft
CVLC	Maximum depth: lateral curve
CVMC	Maximum depth: medial curve
CVML	Maximum length
CVWA	Maximum width: acromial end
CVWS	Maximum width: sternal end
CVXMS	Maximum diameter: midshaft
<i>Scapula (S)</i>	
SAL	Maximum length: acromion
SCL	Maximum length: coracoid process
SGB	Breadth: glenoid fossa
SGL	Length: glenoid fossa
<i>Humerus (H)</i>	
HAPH	A-P diameter: head
HDT	Maximum diameter: deltoid tuberosity
HEB	Breadth: epicondylar
HGT	Length: greater tubercle
HIMS	Minimum diameter: midshaft

Code	Measurement
<i>Humerus cont.</i>	
HML	Maximum length
HSIH	S-I diameter: head
HSMLD	Maximum M-L width: distal end, subadults
HSMLP	Maximum M-L width: proximal end, subadults
HXMS	Maximum diameter: midshaft
<i>Radius (R)</i>	
RGH	Maximum diameter: head
RIMS	Minimum diameter: midshaft
RML	Maximum length
RMLD	M-L width: distal end/epiphysis
RSMLD	M-L width: distal end, subadults
RXMS	Maximum diameter: midshaft
<i>Ulna (U)</i>	
UCH	Height: Coronoid
UIMS	Minimum diameter: midshaft
UML	Maximum Length
UOW	Width: olecranon
UPL	Physiological length
URN	Height: radial notch
UXMS	Maximum diameter: midshaft
<i>Metacarpals (MC#)</i>	
MC1L	MC1: Maximum length
MC2L	MC2: Maximum length
MC3L	MC3: Maximum length
MC4L	MC4: Maximum length
MC5L	MC5: Maximum length
<i>Sacrum (SZ)</i>	
SZAB	Minimum breadth: ala
SZAPA	Maximum A-P width: auricular surface
SZAW	A-P width: ala
SZS1	Height: body of S1
SZSIA	Maximum S-I length: auricular surface
<i>Os coxae (OC)</i>	
OCASB	Breadth: auricular surface
OCASH	Height: auricular surface
OCH	Height/subadult iliac height
OCIB	Breadth: ilium
OCIS	Length: ischium
OCPL	Length: pubis
<i>Femur (F)</i>	
FAPH	Maximum A-P diameter: head
FEB	Breadth: Epicondylar/distal epiphysis
FIMS	Minimum diameter: midshaft
FIST	Minimum diameter: subtrochanteric
FLE	Maximum length: lateral epicondyle
FML	Maximum Length
FMLP	Maximum width: proximal end

Code	Measurement
<i>Femur cont.</i>	
FSIH	Maximum S-I diameter: head
FSIN	Least S-I diameter: neck
FSMLD	M-L width: distal end, subadults
FXMS	Maximum diameter: midshaft
FXST	Maximum diameter: subtrochanteric
<i>Tibia (T)</i>	
TINF	Minimum diameter: nutrient foramen
TLC	A-P diameter: lateral condyle
TMC	A-P diameter: medial condyle
TML	Maximum length
TMLD	M-L width: distal end/epiphysis
TMLP	M-L width: proximal end/epiphysis
TSMLD	Maximum M-L breadth: distal end, subadults
TSMLP	Maximum M-L breadth: proximal end, subadults
TXNF	Maximum diameter: nutrient foramen
<i>Calcaneus (CZ)</i>	
CZB	Maximum breadth
CZH	Maximum height
CZL	Maximum length
<i>Talus (TZ)</i>	
TZB	Maximum breadth
TZH	Maximum height
TZL	Maximum length
<i>Metatarsals (MT#)</i>	
MT1L	MT1: Maximum length
MT2L	MT2: Maximum length
MT3L	MT3: Maximum length
MT4L	MT4: Maximum length
MT5L	MT5: Maximum length

Guide for Indices Coding

Indices	Measurements included
Clavicle	All clavicular measurements
Cranium	All cranial measurements
Cranium: Base*	COCL, COPO, CBAPO, CNMS
Cranium: Facial	CFMTN, CFMTNS*, CMAH, CECMIS, CFMTB, CBZO*
Cranium: Orbit*	COBB, COBH, CNOR
Cranium: Temporal	CMPL, CMPB, CMBH*, CMSAST, CDGL
Cranium: Vault*	CBPO, CBAST, CLFMT, CLAST
Elbow	HEB*, HSMLD**, RGH, URN, UOW, UCH
Femur	All femoral measurements
Hip	OCAH*, FAPH, FSIH, FMLP
Humerus	All humeral measurements
Knee	FEB, FSMLD**, FLE, TMLP, MLP**, TMC, TLC
Lower limb midshafts	FXMS, FIMS, TXNF, TINF
Lower Limb	All measurements of the femur and tibia
Lower long bone lengths	Maximum lengths of the femur and tibia
Mandible	All mandibular measurements
Metacarpals	MC1-MC5 lengths
Metatarsals	MT1-MT5 lengths
Midshafts	HXMS, HIMS, RXMS, RIMS, UXMS, UIMS, FXMS, FIMS, TXNF, TINF
Os coxae	All measurements of the os coxae
Pelvic girdle	All pelvic measurements
Radius	All radial measurements
Sacro-iliac joint*	SZAPA, SZSIA, OCASH, OCASB
Sacrum	All sacral measurements
Scapula	All Scapular measurements
Shoulder	CVWA, SGL, SGB, SAL, SCL*, HSIH, HAPH, HGT
Tarsals	All measurements of the talus and calcaneus
Tibia	All tibial measurements
Ulna	All ulnar measurements
Upper Limb	All measurements of the humerus, radius, and ulna
Upper limb midshafts	HXMS, HIMS, RXMS, RIMS, UXMS, UIMS
Upper long bone lengths	HML, RNL, UML

(*Not a subadult measurement/ index, **not an adult measurement)