

Dental ARIC Code Book
For
The Master Dental Clinical Dataset
December 1, 2004

Initial Notes:

There are 992 site or tooth based measures. Rather than list all 992 variables in this code book an explanation of the coding system will be used.

The dental clinical data was collected by using the international QTS numbering system. However, the data is stored using the standard 1-32 tooth numbering system.

Further definitions and procedures are defined in the Dental ARIC Manual of Procedures.

Tooth Status:

Variables: TSTATUS1-TSTATUS32 (32 variables)

Codes: 1=Sound Tooth
2=Decayed or Filled
3=Missing
4=Crown
5=Decayed Root Fragment
6=Sound Root Fragment
7=Implant

Caries:

Variables: DS1-DS32 (32 variables)
FS1-FS32 (32 variables)
DRS1-DRS32 (32 variables)
FRS1-FRS32 (32 variables)

Prefix: DS=Number of Decayed Coronal Surfaces
FS=Number of Filled Coronal Surfaces
DRS=Number of Decayed Root Surfaces
FRS=Number of Filled Root Surfaces

Codes: 0-5 (number of decayed or filled surfaces)
. (missing) sound, missing or did not ascertain

Plaque Index:

Variables: PLAQUE1-PLAQUE32 (32 variables)

Codes: 0=Absence of plaque or stain
1=Deposits covering less than 1/3 of surface
2=Deposits covering less than 2/3 of surface
3=Deposits covering more than 2/3 of surface

Gingival Index:

Variables: GI1-GI32 (32 variables)

Codes: 0=Normal Gingiva
1=Mild inflammation: slight change in color, slight edema
2=Moderate inflammation: redness, edema and glazing,
bleeding on probing
3=Severe inflammation: marked redness and edema,
ulceration, tendency to spontaneous bleeding

Notes for Site Based Measures:

There are four site based measures:

- Pocket Depth (PD)
- Cemento-enamel Junction (CEJ) also known as recession
- Bleeding on Probing (BL)
- Attachment Loss (AL)

The site based measures were taken on 6 sites per tooth:

- Mesiobuccal (MB)
- Buccal (B)
- Distobuccal (DB)
- Distolingual (DL)
- Lingual (L)
- Mesiolingual (ML)

The names for all site based measures were crated by taking the measure + site + tooth number.

Examples: Pocket Depth measure for Mesiobuccal of tooth number 12 is PDMB12 and the Attachment Loss measure for buccal of tooth number 2 is ALB2.

Pocket Depth

- Variables: PD_{ss}1—PD_{ss}32 (192 variables)
- Codes: 0-15 measured in mm

Cemento-enamel Junction (recession)

- Variables: CEJ_{ss}1—CEJ_{ss}32 (192 variables)
- Codes: -15 to 15 measured in mm
- Notes: Typically negative in this population
Negative number indicates recession
Positive number indicates the gingival margin is above the CEJ

Attachment Loss

- Variables: AL_{ss}1—AL_{ss}32 (192 variables)
- Codes: 0 to 30 measured in mm
- Notes: Calculated from PD and CEJ

Bleeding on Probing

- Variables: BL_{ss}1—BL_{ss}32 (192 variables)
- Codes: 0=No Bleeding on Probing
1=Bleeding on Probing

Serum Mediators

Serum values for the following mediators are included in this dataset. They all have a prefix of *Serum*. Definitions can be found in the COSD Lab Manual.

SerumCRP
SerumIL1b
SerumsCD14
SerumPGE2
SerumIL6
SerumsICAM1
SerumTNFa
Serumd8iso

GCF Mediators

Mean GCF values for two mediators are included. Definitions can be found in the COSD Lab Manual.

MeanGCFIL1b
MeanGCFPGE2

Antibodies to specific oral pathogens are included.

PGIGG	P gingivalis
BFIGG	B forsythus
TDIGG	T denticola
PIIGG	P intermedia
CRIGG	C rectus
PMIGG	P micros
PNIGG	P nigrescens
FNIGG	F nucleatum
SNIGG	Seleomonas noxia
AAIGG	A actinomycetemcomitans
ECIGG	E corrodens
COIGG	C ochracea
VPGGG	V parvoula
SSIGG	S sanguis
SIIGG	S intermedius
SOIGG	S oralis
AVIGG	A viscosus

Oral pathogens are included.

PGDNA	P gingivalis
BFDNA	B forsythus
TDDNA	T denticola
PIDNA	P intermedia
CRDNA	C rectus
PNDNA	P nigrescens
FNDNA	F nucleatum