

2014 BYU Egypt Expedition - Fag el Gamous Cemetery

Body Analysis Chart

Square 13/1144 2/34 Area N14 Burial # 91 Date 21 Mar 2013 20 Feb 2014 2014
 EXCAV.

Observer(s) Evan + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

No char.

unlabeled to unlike any finds analyzed
not enough id

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]

Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]

Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]

Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation $[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

VII. Samples

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Status	Development Status
A = antemortem	D = dark in occlusion	D = undetectable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	

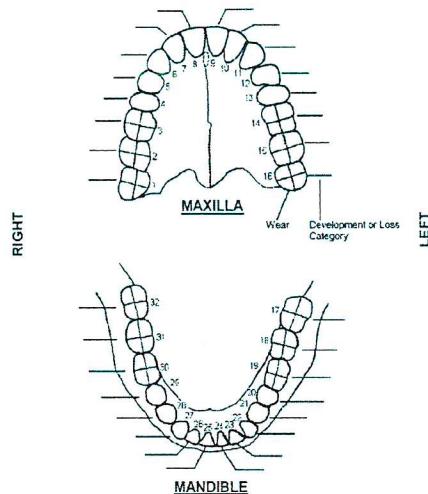


Figure 1: Caries (marked with filled circle) and Periodontal Disease (marked with X). Antemortem tooth loss is marked as darkened tooth.

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 13° N 20° W Area NW Burial # 95 Date 21 March 2013

Observer(s) Jean, S. et, Xiong, Maral, K.C., Paul

I. Overall Impression

- A. Preservation Index: I II III IV V
 B. Hair Color Light Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

Palm Frond

II. Skull Analysis

- A. Skull Features (gender estimation)

- B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture] Closed (>age 18-25)	Not Closed
Lambdoid suture [parietal-occipital] Closed (>age 45-50)	Not Closed
Squamos suture [parietal-temporal] Closed (>age 60-65)	Not Closed

- B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

- A. Pelvis Features (gender estimation)

- B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

- A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

- B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

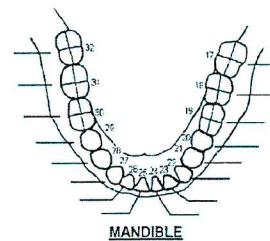
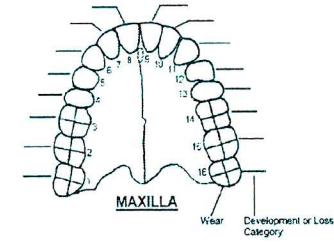
PERMANENT TEETH RECORDING FORM

Wear, Development, Loss

Loss Categories
A = antemortem
P = postmortem
U = unknown

Wear Stages
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage
Development Stages
0 = unobservable
1-14 = per Standards

RIGHT



LEFT

VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 22 W / 140 N 30 W Area NW Burial # 51 Date 13 March 2013 / 22 Feb 2014

Observer(s) Evans + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Blond

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

No pelvis or lower extremity

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenoooccipital synchondrosis [basilar suture] <u>Closed (>age 18-25)</u>	<u>Not Closed</u>
Lambdoid suture [parietal-occipital] <u>Closed (>age 45-50)</u>	<u>Not Closed</u>
Squamos suture [parietal-temporal] <u>Closed (>age 60-65)</u>	<u>Not Closed</u>

B. Dentition (age estimation)

Tooth Attrition

I	II	III	IV	V
Tooth Eruption Age Estimate <u>18-22</u>				

Skull Features		
	Male	Female
Robust	<u>YES</u>	<u>NO</u>
Supraorbital ridges	<u>HEAVY</u>	<u>LIGHT</u>
Orbit edge	<u>BLUNT</u>	<u>SHARP</u>
Parietal bossing	<u>NO</u>	<u>YES</u>
Gonion	<u>FLAT</u>	<u>POINTED</u>
Nuchal crest	<u>LARGER</u>	<u>SMALLER</u>
Zygomatic crest	<u>LONGER</u>	<u>SHORTER</u>

III. Pelvis Analysis

A. Pelvis Features (gender estimation) N/A

B. Pubic Symphysis (age estimation) N/A

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) N/A
Humerus Head Diameter (<43mm=F; >48mm=M) 38.2

Pelvis Features		
	Male	Female
Ventral arc	<u>YES</u>	<u>NO</u>
Subpubic angle	<u>NARROW</u>	<u>WIDE</u>
Sciatic notch	<u>NARROW</u>	<u>WIDE</u>
Medial IP ramus	<u>FLAT</u>	<u>RIDGED</u>

Observers Estimation of Age at Death

19

Observers Estimation of Gender

Female Male Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) 174

B. Humerus length (mm) 30.2

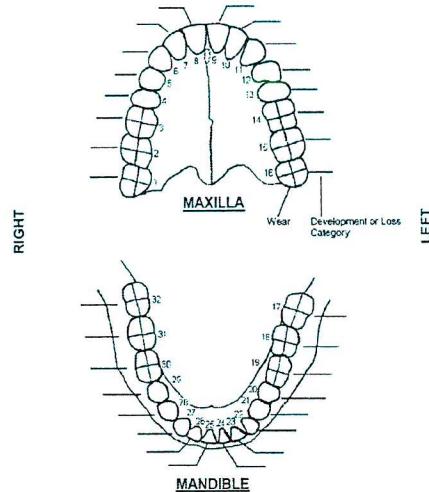
Estimate of Stature _____

VI. Pathology

- A. Osteophytosis None Slight Moderate Heavy
- B. Caries and Periodontal Disease (noted on Figure 1)
- C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Lost Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	0 = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130/140 N 25 W Area NW Burial # 53 Date 13 March 2013 Analysis 20 Feb 2014

Observer(s) Evan + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

infant

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]
 Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]
 Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]
 Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

2 years

Skull Features N/A		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

N/A

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

N/A

A. Epiphyseal Union

Femur Closed (>age 17)
 Humerus Closed (>age 14)

Not Closed
 Not Closed

Pelvis Features N/A		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

N/A

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

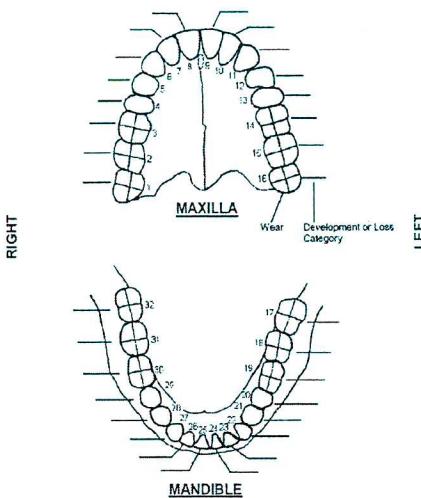
C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories
A = antemortem
P = postmortem
U = unknown

Wear Status
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage

Development Status
0 = unobservable
1-14 = per Standards



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 30 W Area NW Burial # 55 Date 13 March 2013 / Analysis 22 Feb 2014

Observer(s) Evan + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color _____

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

*interesting parabut.
Burial surface is closed.
Abdominal viscera not emphytic.*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture] <i>Closed (>age 18-25)</i>	<i>Not Closed</i>
Lambdoid suture [parietal-occipital] <i>Closed (>age 45-50)</i>	<i>Not Closed</i>
Squamos suture [parietal-temporal] <i>Closed (>age 60-65)</i>	<i>Not Closed</i>

B. Dentition (age estimation)

Tooth Attrition

I	II	III	IV	V
				<i>adult (incisor recent)</i>

Tooth Eruption Age Estimate 8

Skull Features		
	Male	Female
Robust	<i>YES</i>	<i>NO</i>
Supraorbital ridges	<i>HEAVY</i>	<i>LIGHT</i>
Orbit edge	<i>BLUNT</i>	<i>SHARP</i>
Parietal bossing	<i>NO</i>	<i>YES</i>
Gonion	<i>FLAT</i>	<i>POINTED</i>
Nuchal crest	<i>LARGER</i>	<i>SMALLER</i>
Zygomatic crest	<i>LONGER</i>	<i>SHORTER</i>

III. Pelvis Analysis

A. Pelvis Features (gender estimation) H/A

B. Pubic Symphysis (age estimation)

I	II	III	IV	V	VI
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IV. Limb Analysis

A. Epiphyseal Union H/A

Femur	<i>Closed (>age 17)</i>	<i>Not Closed</i>
Humerus	<i>Closed (>age 14)</i>	<i>Not Closed</i>

B. Head Diameter H/A

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____
 Humerus Head Diameter (<43mm=F; >48mm=M) _____

Pelvis Features		
	Male	Female
Ventral arc	<i>YES</i>	<i>NO</i>
Subpubic angle	<i>NARROW</i>	<i>WIDE</i>
Sciatic notch	<i>NARROW</i>	<i>WIDE</i>
Medial IP ramus	<i>FLAT</i>	<i>RIDGED</i>

Observers Estimation of Age at Death

8

Observers Estimation of Gender

Female *Male* *Indeterminate*

V. Stature Estimation H/A [$M=2.32(\text{femur length}) + 65.53$; $F=2.47(\text{femur length}) + 54.1$]

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

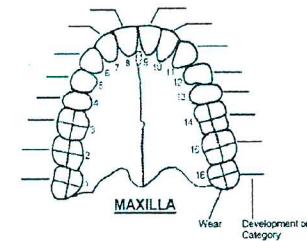
PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories
A = antemortem
P = postmortem
U = unknown

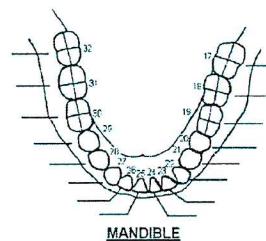
Wear Scores
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage

Development Scores
0 = undetectable
1-14 = per Standards

RIGHT



LEFT



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 22 W Area NW Burial # 56 Date 14 March 2013 / analysis 22 Feb 2014

Observer(s) Eilar + Field Schol.

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color _____

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

2 infant buried together
 both same age and condition as determined by tooth eruption.
 (Twin).
 avatic - "Twin A"

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]
 Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]
 Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]
 Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I	II	III	IV	V
Tooth Eruption Age Estimate				

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I	II	III	IV	V	VI
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IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation [M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

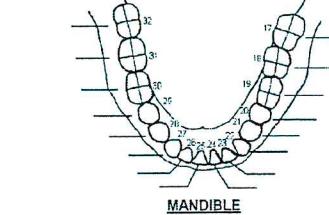
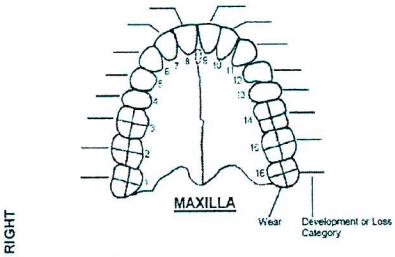
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	0 = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

Figure 1: Caries (marked with filled circle) and Periodontal Disease (marked with X). Antemortem tooth loss is marked as darkened tooth.

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 22 W Area B8 NW Burial # 58 Date 14 March 2013 / Analyzed 22 Feb 2014

Observer(s) Evens

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color _____

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

*N. area intact area.
mandib. premolar erupting but not molars.*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

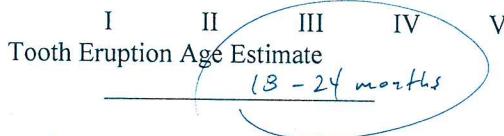
Sphenooccipital synchondrosis [basilar suture]
Closed (>age 18-25) *Not Closed*

Lambdoid suture [parietal-occipital]
Closed (>age 45-50) *Not Closed*

Squamos suture [parietal-temporal]
Closed (>age 60-65) *Not Closed*

B. Dentition (age estimation)

Tooth Attrition



III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

Observers Estimation of Gender

Female *Male* *Indeterminate*

V. Stature Estimation [M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) _____

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

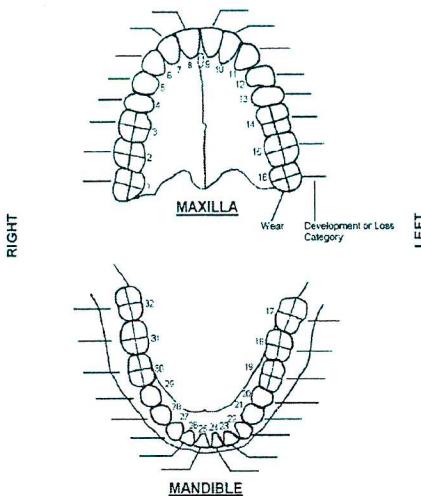
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	0 = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
 Body Analysis Chart

Square 132 N 22 W Area NW Burial # 60 Date 14 March 2013 Analysis 20 Feb 2014

Observer(s) Evan + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

Female

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]

Closed (>age 18-25)

Not Closed

Lambdoid suture [parietal-occipital]

Closed (>age 45-50)

Not Closed

Squamos suture [parietal-temporal]

Closed (>age 60-65)

Not Closed

B. Dentition (age estimation)

Tooth Attrition

I

II

III

IV

V

Tooth Eruption Age Estimate

15

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

Sub ad. H

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur

Closed (>age 17)

Not Closed

Humerus

Closed (>age 14)

Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M)

H/A

Humerus Head Diameter (<43mm=F; >48mm=M)

H/A

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

15-16

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm)

M/A

B. Humerus length (mm)

H/A

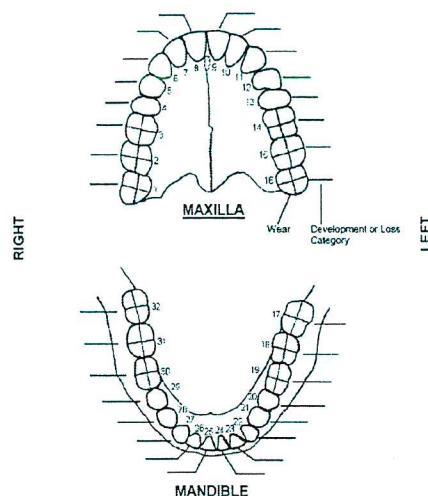
Estimate of Stature

VI. Pathology

- A. Osteophytosis None Slight Moderate Heavy
- B. Caries and Periodontal Disease (noted on Figure 1)
- C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	D = not in occlusion	D = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = Unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 20 W Area NW Burial # 64 Date 14 March 2014 / Analysis 22 Feb 2014

Observer(s) Evee + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Black

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]	
<i>Closed (>age 18-25)</i>	<i>Not Closed</i>
Lambdoid suture [parietal-occipital]	
<i>Closed (>age 45-50)</i>	<i>Not Closed</i>
Squamos suture [parietal-temporal]	
<i>Closed (>age 60-65)</i>	<i>Not Closed</i>

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

>30

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)



B. Pubic Symphysis (age estimation)

I II III IV V VI N/A

IV. Limb Analysis

A. Epiphyseal Union

Femur	<i>Closed (>age 17)</i>	Not Closed
Humerus	<i>Closed (>age 14)</i>	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) 45.6

Humerus Head Diameter (<43mm=F; >48mm=M) 41.2

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

35-40

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

$$[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$$

A. Femur length (mm) 45

B. Humerus length (mm) 31.2

Estimate of Stature

VI. Pathology

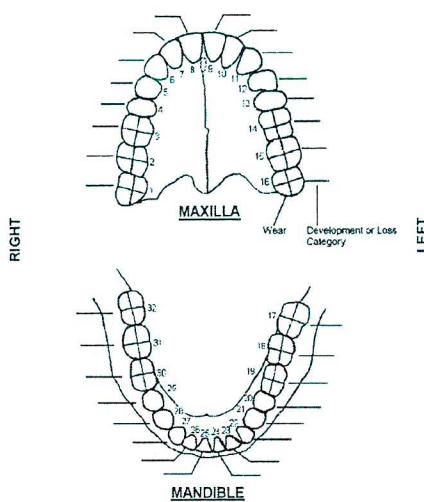
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Lost Categories	Wear Stages	Development Stages
A = antemortem	D = not in occlusion	D = undetectable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = Unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 20 W Area NW Burial # 65 Date 16 March 2012

Observer(s) Evans & Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color N/A

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

Not present Only lower legs, fewer & tibiae

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]
 Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]
 Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]
 Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur Closed (>age 17)
 Humerus N/A Closed (>age 14)

Not Closed
 Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) 50.2

Humerus Head Diameter (<43mm=F; >48mm=M) N/A

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

N/A

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1

A. Femur length (mm)

45.5

B. Humerus length (mm)

N/A

Estimate of Stature

VI. Pathology

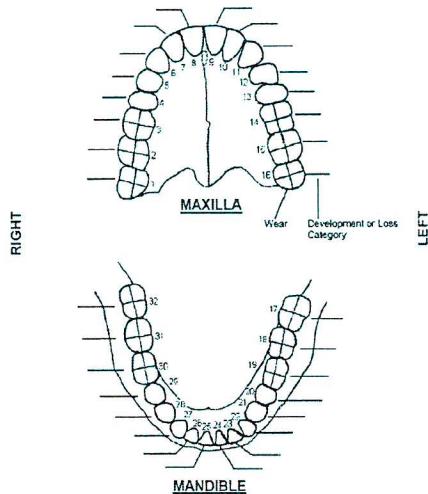
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	C = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 20 W Area HW Burial # 63 Date 16 March 2013 Aut/In 20 Feb 2014

Observer(s) Eun + Field Sch..1

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

- Sphenooccipital synchondrosis [basilar suture]
Closed (>age 18-25) Not Closed
- Lambdoid suture [parietal-occipital]
Closed (>age 45-50) Not Closed
- Squamos suture [parietal-temporal]
Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

- Tooth Attrition
- | | | | | |
|-----------------------------|-----------|-----|----|---|
| I | <u>II</u> | III | IV | V |
| Tooth Eruption Age Estimate | | | | |
| <u>21-25</u> | | | | |

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

- | | | | | | |
|---|----|-----|----|---|----|
| I | II | III | IV | V | VI |
|---|----|-----|----|---|----|

IV. Limb Analysis

A. Epiphyseal Union

- | | | |
|---------|-------------------------|------------|
| Femur | <u>Closed</u> (>age 17) | Not Closed |
| Humerus | <u>Closed</u> (>age 14) | Not Closed |

B. Head Diameter

- Femur Head Diameter (<41.5mm=F; >45.5mm=M) 43.2
Humerus Head Diameter (<43mm=F; >48mm=M) 36.9

Skull Features		
	Male	Female
Robust	YES	<u>NO</u>
Supraorbital ridges	HEAVY	<u>LIGHT</u>
Orbit edge	BLUNT	<u>SHARP</u>
Parietal bossing	NO	<u>YES</u>
Gonion	FLAT	<u>POINTED</u>
Nuchal crest	LARGER	<u>SMALLER</u>
Zygomatic crest	LONGER	<u>SHORTER</u>

Pelvis Features		
	Male	Female
Ventral arc	YES	<u>NO</u>
Subpubic angle	NARROW	<u>WIDE</u>
Sciatic notch	NARROW	<u>WIDE</u>
Medial IP ramus	FLAT	<u>RIDGED</u>

Observers Estimation of Age at Death

21-25

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

$$[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$$

A. Femur length (mm)

42.1

B. Humerus length (mm)

29.2

Estimate of Stature

VI. Pathology

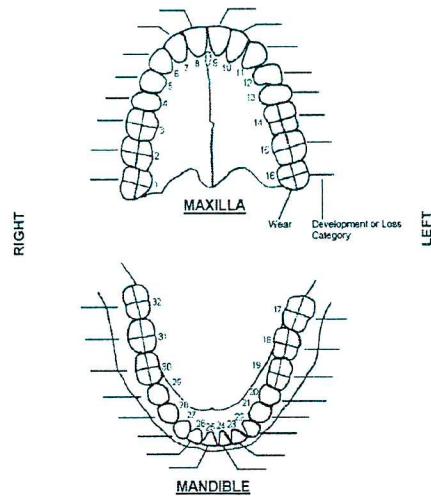
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	D = not in occlusion	0 = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 22 W Area NW Burial # 69 Date 12 March 2013 / analysis 22 Feb 2014

Observer(s) Evan & Field School

I. Overall Impression

A. Preservation Index: I (II) III IV V

B. Hair Color black

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]
 Closed ($>$ age 18-25) Not Closed

Lambdoid suture [parietal-occipital]
 Closed ($>$ age 45-50) Not Closed

Squamos suture [parietal-temporal]
New 6° Closed ($>$ age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

N/A

No teeth / fill in v.

Skull Features		
	Male	Female
Robust	YES	<u>NO</u>
Supraorbital ridges	HEAVY	<u>LIGHT</u>
Orbit edge	BLUNT	<u>SHARP</u>
Parietal bossing	NO	<u>YES</u>
Gonion <u>Not present</u>	FLAT	POINTED
Nuchal crest	LARGER	<u>SMALLER</u>
Zygomatic crest	LONGER	<u>SHORTER</u>

III. Pelvis Analysis

A. Pelvis Features (gender estimation) ♀

B. Pubic Symphysis (age estimation) N/A

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed ($>$ age 17)	Not Closed
Humerus	Closed ($>$ age 14)	Not Closed

B. Head Diameter

Femur Head Diameter ($<41.5\text{mm}=F; >45.5\text{mm}=M$) 40.6

Humerus Head Diameter ($<43\text{mm}=F; >48\text{mm}=M$) No intact humerus

Pelvis Features		
	Male	Female
Ventral arc	YES	<u>NO</u>
Subpubic angle	NARROW	<u>WIDE</u>
Sciatic notch	NARROW	<u>WIDE</u>
Medial IP ramus	FLAT	<u>RIDGED</u>

Observers Estimation of Age at Death

50-60

Observers Estimation of Gender

Female Male Indeterminate

V. Stature Estimation

M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1

A. Femur length (mm) 41.3

B. Humerus length (mm) No intact humerus

Estimate of Stature

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM

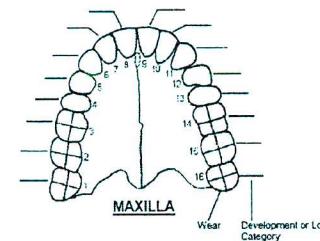
Wear, Development, Loss

Lost Categories
A = antemortem
P = postmortem
U = unknown

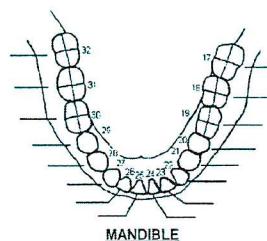
Wear Stages
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage

Development Stages
0 = undifferentiate
1-14 = per Standards

RIGHT



LEFT



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 22 W Area NW Burial # 70 Date 18 March 2013 / Analysis 22 Feb 2014

Observer(s) Evans + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

bifurcated right nb. unilateral

II. Skull Analysis

A. Skull Features (gender estimation)

♀

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]

Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]

Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]

Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

No 3rd molar - 13-14 years old.

very pristine teeth

Skull Features		
	Male	Female
Robust	YES	<u>NO</u>
Supraorbital ridges	HEAVY	<u>LIGHT</u>
Orbit edge	BLUNT	<u>SHARP</u>
Parietal bossing	NO	<u>YES</u>
Gonion	FLAT	<u>POINTED</u>
Nuchal crest	LARGER	<u>SMALLER</u>
Zygomatic crest	LONGER	<u>SHORTER</u>

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

sub adult

B. Pubic Symphysis (age estimation)

I II III IV V VI N/A

IV. Limb Analysis

A. Epiphyseal Union

Femur Closed (>age 17)

Humerus Closed (>age 14)

Not Closed

Not Closed

Pelvis Features		
	Male	Female
Ventral arc	YES	<u>NO</u>
Subpubic angle	NARROW	<u>WIDE</u>
Sciatic notch	NARROW	<u>WIDE</u>
Medial IP ramus	FLAT	<u>RIDGED</u>

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M)

N/A

Humerus Head Diameter (<43mm=F; >48mm=M)

N/A

Observers Estimation of Age at Death

13-14

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation $[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$ not applicable

A. Femur length (mm)

B. Humerus length (mm)

Estimate of Stature

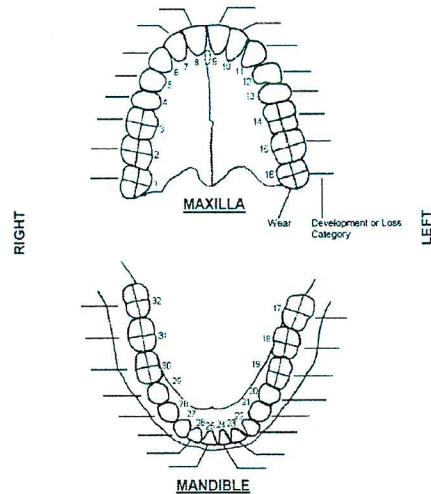
N/A

VI. Pathology

- A. Osteophytosis None Slight Moderate Heavy
- B. Caries and Periodontal Disease (noted on Figure 1)
- C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Lost Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	0 = unobservable
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = Unknown due to caries or breakage	



VII. Samples

Ritualistic burial was begged.

Figure 1: Caries (marked with filled circle) and Periodontal Disease (marked with X). Antemortem tooth loss is marked as darkened tooth.

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 12 N 22 W Area NW Burial # 71 Date 19 March 2013 Analyst 20 Feb 2014

Observer(s) Evans + Field School

I. Overall Impression

- A. Preservation Index: I II III IV V
 B. Hair Color _____
 C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

- A. Skull Features (gender estimation)

- B. Skull Sutures (age estimation)

Sphenoooccipital synchondrosis [basilar suture]	
Closed (>age 18-25)	Not Closed
Lambdoid suture [parietal-occipital]	
Closed (>age 45-50)	Not Closed
Squamos suture [parietal-temporal]	
Closed (>age 60-65)	Not Closed

- B. Dentition (age estimation)

Tooth Attrition

I	II	III	IV	V
Tooth Eruption Age Estimate				

720

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

- A. Pelvis Features (gender estimation)

- B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

- A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

- B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) 42.5
 Humerus Head Diameter (<43mm=F; >48mm=M) 42.6

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

20 - 30

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

$$[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$$

A. Femur length (mm)

46.2

B. Humerus length (mm)

38.1

Estimate of Stature

VI. Pathology

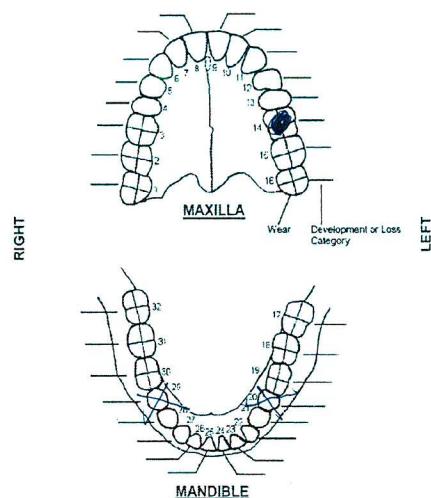
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories	Wear Stages	Development Stages
A = antemortem	0 = no wear	0 = non-developed
P = postmortem	1-10 = per occlusion	1-14 = per Standards
U = unknown	11-15 = per Standards	X = unknown due to caries or breakage



VII. Samples

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 140 Area AN Burial # 73 Date 20 February 2014

Excav.
13 March 2015

Observer(s) Sara, Nour, Nour, Nour, Samia, Dr. Evans

I. Overall Impression

- A. Preservation Index: I II III IV V
 B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenoooccipital synchondrosis [basilar suture] <i>Closed (>age 18-25)</i>	<i>Not Closed</i>
Lambdoid suture [parietal-occipital] <i>Closed (>age 45-50)</i>	<i>Not Closed</i>
Squamos suture [parietal-temporal] <i>Closed (>age 60-65)</i>	<i>Not Closed</i>

B. Dentition (age estimation)

Tooth Attrition

I	II	III	IV	V
Tooth Eruption Age Estimate				

>21

Skull Features		
	Male	Female
Robust	YES	<i>NO</i>
Supraorbital ridges	HEAVY	<i>LIGHT</i>
Orbit edge	BLUNT	<i>SHARP</i>
Parietal bossing	NO	<i>YES</i>
Gonion	FLAT	<i>POINTED</i>
Nuchal crest	LARGER	<i>SMALLER</i>
Zygomatic crest	LONGER	<i>SHORTER</i>

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I	II	III	IV	V	VI
---	----	-----	----	---	----

IV. Limb Analysis

A. Epiphyseal Union

Femur	Closed (>age 17)	Not Closed
Humerus	Closed (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____
 Humerus Head Diameter (<43mm=F; >48mm=M) 37.3

Pelvis Features		
	Male	Female
Ventral arc	YES	<i>NO</i>
Subpubic angle	NARROW	<i>WIDE</i>
Sciatic notch	NARROW	<i>WIDE</i>
Medial IP ramus	FLAT	<i>RIDGED</i>

Observers Estimation of Age at Death

22-40

Observers Estimation of Gender

Female Male Indeterminate

V. Stature Estimation $[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$

A. Femur length (mm)

29.3

B. Humerus length (mm)

29.3

Estimate of Stature

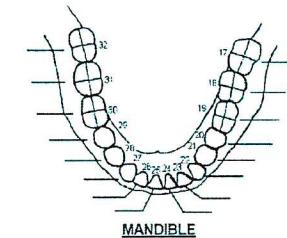
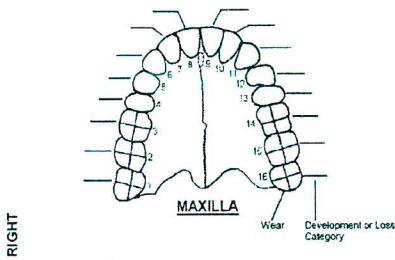
VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM			
Wear, Development, Loss			
Loss Categories		Development Stages	
A = antemortem	P = postmortem	0 = non-developed	0 = pre-eruptive
P = postmortem	U = unknown	1-10 = per Standards	1-14 = per Standards
		X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

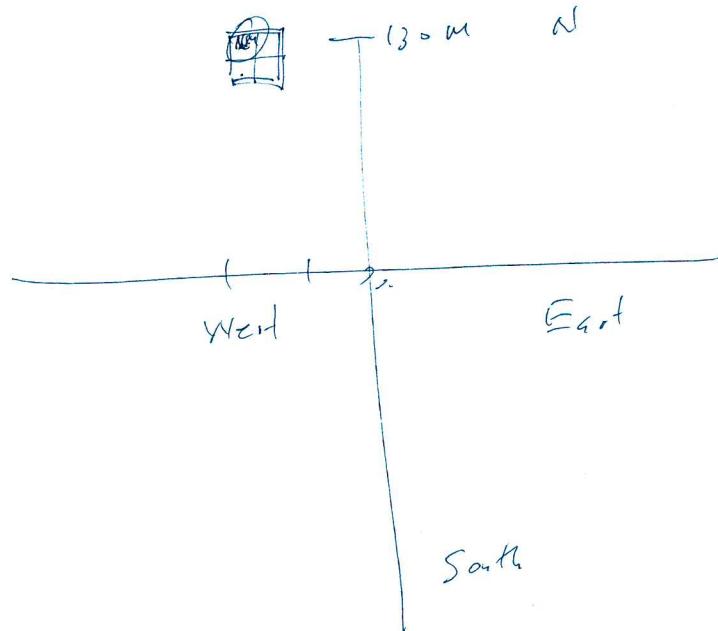


Figure 1: Caries (marked with filled circle) and Periodontal Disease (marked with X). Antemortem tooth loss is marked as darkened tooth.

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 18/145N 15/32W Area 44L Burial # 78 Date 20 March 2013 Analyst 20 Feb 2014

Observer(s) Evan + Field Schol

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]

Closed (>age 18-25) *Not Closed*

Lambdoid suture [parietal-occipital]

Closed (>age 45-50) *X Not Closed*

Squamos suture [parietal-temporal]

Closed (>age 60-65) *Not Closed*

start to close

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

35-40

Skull Features		
	Male	Female
Robust	<input checked="" type="radio"/> YES	NO
Supraorbital ridges	<input checked="" type="radio"/> HEAVY	LIGHT
Orbit edge	<input checked="" type="radio"/> BLUNT	SHARP
Parietal bossing	<input checked="" type="radio"/> NO	YES
Gonion	<input checked="" type="radio"/> FLAT	POINTED
Nuchal crest	<input checked="" type="radio"/> LARGER	SMALLER
Zygomatic crest	<input checked="" type="radio"/> LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur

Closed (>age 17)

Not Closed

Humerus

Closed (>age 14)

Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M)

49.5

Humerus Head Diameter (<43mm=F; >48mm=M)

44.5

No Femur

Pelvis Features		
	Male	Female
Ventral arc	<input checked="" type="radio"/> YES	NO
Subpubic angle	<input checked="" type="radio"/> NARROW	WIDE
Sciatic notch	<input checked="" type="radio"/> NARROW	WIDE
Medial IP ramus	<input checked="" type="radio"/> FLAT	RIDGED

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm)

B. Humerus length (mm)

3

Estimate of Stature

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

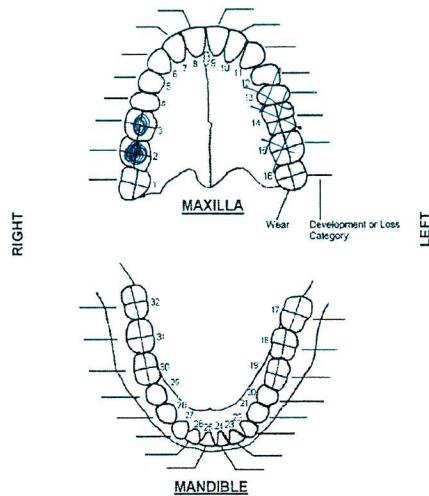
C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories
A = antemortem
P = postmortem
U = unknown

Wear Stages
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage

Development Stages
0 = unobservable
1-14 = per Standards



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 20 W Area NW Burial # 79 Date 20 March 2013 / analysis 22 Oct 2014

Observer(s) Flem & Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color _____

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture] Closed (>age 18-25)	Not Closed	<i>not intact</i>
Lambdoid suture [parietal-occipital] Closed (>age 45-50)	Not Closed	
Squamos suture [parietal-temporal] Closed (>age 60-65)	Not Closed	

B. Dentition (age estimation)

Tooth Attrition

I II III IV

Tooth Eruption Age Estimate

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	<i>Closed</i> (>age 17)	Not Closed
Humerus	<i>Closed</i> (>age 14)	Not Closed

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) 36.7

Humerus Head Diameter (<43mm=F; >48mm=M) 35.6

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

Observers Estimation of Age at Death

20-21

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) 40.2

B. Humerus length (mm) 21.5

Estimate of Stature _____

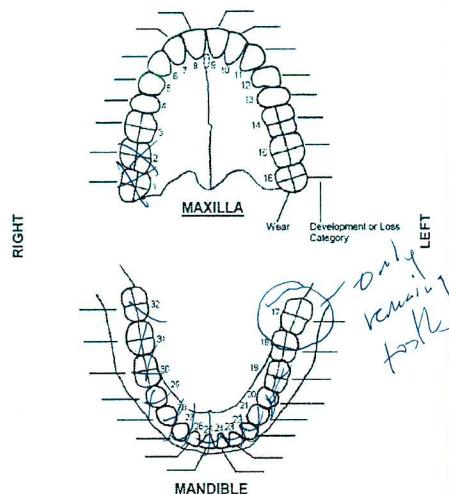
VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM		
Wear, Development, Loss		
Loss Categories	Wear Stages	Development Stages
A = antemortem	0 = not in occlusion	D = unoccluded
P = postmortem	1-10 = per Standards	1-14 = per Standards
U = unknown	X = unknown due to caries or breakage	



VII. Samples

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130/454 29/2060 Area NEW Burial # 92 Date 20 Nov 2013 / Analyzed 20 Feb 2014

Observer(s) Evan + Paul Scholl

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color Brown

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenoooccipital synchondrosis [basilar suture]	
<i>Closed (>age 18-25)</i>	<i>Not Closed</i>
Lambdoid suture [parietal-occipital]	
<i>Closed (>age 45-50)</i>	<i>Not Closed</i>
Squamos suture [parietal-temporal]	
<i>Closed (>age 60-65)</i>	<i>Not Closed</i>

B. Dentition (age estimation)

Tooth Attrition

I II III IV

Tooth Eruption Age Estimate

721

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORTER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur	<i>Closed (>age 17)</i>	Not Closed
Humerus	<i>Closed (>age 14)</i>	Not Closed

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) 41.2
Humerus Head Diameter (<43mm=F; >48mm=M) 44.8

Observers Estimation of Age at Death

>40

Observers Estimation of Gender

Female Male Indeterminate

V. Stature Estimation

[M=2.32(femur length) + 65.53; F=2.47(femur length) + 54.1]

A. Femur length (mm) 47.5

B. Humerus length (mm) 33.0

Estimate of Stature _____

VI. Pathology

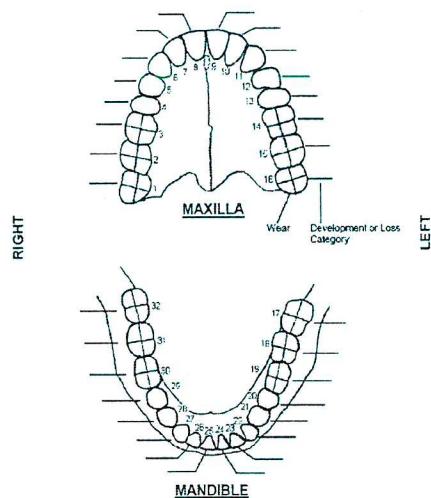
A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Lost Categories	Development Stages
A = antemortem	D = Undeveloped
P = postmortem	1-14 = per Standards
U = unknown	X = Unknown due to caries or breakage



VII. Samples

Observations (Artifacts, Burial situation, Textiles) continued from front

2014 BYU Egypt Expedition - Fag el Gamous Cemetery
Body Analysis Chart

Square 130 N 20 W Area A11 Burial # 91 Date 21 Mar 2013 Analysis 20 Feb 2014

Observer(s) Evan + Field School

I. Overall Impression

A. Preservation Index: I II III IV V

B. Hair Color _____

C. Observations (e.g., Artifacts, Burial Situation, Textiles) *continued on back*

No cranium

child

palm burial sticks

II. Skull Analysis

A. Skull Features (gender estimation)

B. Skull Sutures (age estimation)

Sphenooccipital synchondrosis [basilar suture]

Closed (>age 18-25) Not Closed

Lambdoid suture [parietal-occipital]

Closed (>age 45-50) Not Closed

Squamos suture [parietal-temporal]

Closed (>age 60-65) Not Closed

B. Dentition (age estimation)

Tooth Attrition

I II III IV V

Tooth Eruption Age Estimate

Skull Features		
	Male	Female
Robust	YES	NO
Supraorbital ridges	HEAVY	LIGHT
Orbit edge	BLUNT	SHARP
Parietal bossing	NO	YES
Gonion	FLAT	POINTED
Nuchal crest	LARGER	SMALLER
Zygomatic crest	LONGER	SHORER

III. Pelvis Analysis

A. Pelvis Features (gender estimation)

B. Pubic Symphysis (age estimation)

I II III IV V VI

IV. Limb Analysis

A. Epiphyseal Union

Femur Closed (>age 17)
Humerus Closed (>age 14)

Not Closed
Not Closed

Pelvis Features		
	Male	Female
Ventral arc	YES	NO
Subpubic angle	NARROW	WIDE
Sciatic notch	NARROW	WIDE
Medial IP ramus	FLAT	RIDGED

B. Head Diameter

Femur Head Diameter (<41.5mm=F; >45.5mm=M) _____

Humerus Head Diameter (<43mm=F; >48mm=M) _____

Observers Estimation of Age at Death

Observers Estimation of Gender

Female

Male

Indeterminate

V. Stature Estimation

A. Femur length (mm) _____

$$[M=2.32(\text{femur length}) + 65.53; F=2.47(\text{femur length}) + 54.1]$$

B. Humerus length (mm) _____

Estimate of Stature _____

VI. Pathology

A. Osteophytosis None Slight Moderate Heavy

B. Caries and Periodontal Disease (noted on Figure 1)

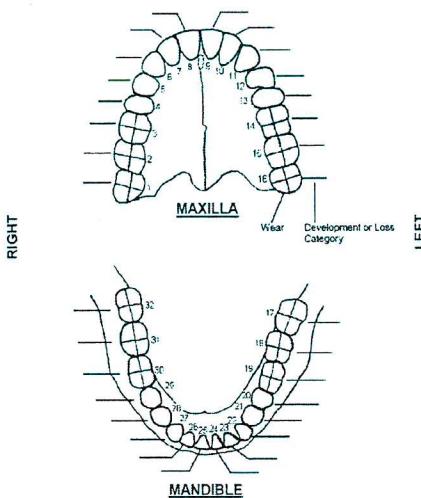
C. Notes:

PERMANENT TEETH RECORDING FORM
Wear, Development, Loss

Loss Categories
A = antemortem
P = postmortem
U = unknown

Wear Scores
0 = not in occlusion
1-10 = per Standards
X = unknown due to caries or breakage

Development Scores
0 = undetectable
1-14 = per Standards



VII. Samples

Observations (Artifacts, Burial situation, Textiles) *continued from front*