

APPENDIX 6

FREQUENCY AND STATISTICAL TABLES FOR CHAPTER 5

A6.1 Frequencies of burial forms and bodily dispositions

Orientation of body (head-feet)	Frequency
W-E	401 81.0%
NW-SE	2 0.4%
N-S	2 0.4%
NE-SW	2 0.4%
E-W	8 1.6%
SE-NW	3 0.6%
SW-NE	48 9.7%
NWW-SEE	29 5.9%
Total	495 100%

Table A6.1.1. Orientation of the body.

Grave shape	Frequency
Linear rectangle	249 87.4%
Ovoid	35 12.3%
Keyhole shaped	1 0.4%
Total	285

Table A6.1.2. The shape of the grave.

Grave form	Frequency
Pits at the head	6 4.4%
Pits at the foot	9 6.7%
Pits at the head and foot	16 11.9%
Steps/sockets	6 4.4%
Pits at the head and steps/sockets	1 0.7%
No elaborate grave form	97 71.9%

Table A6.1.3. Grave forms. (Note: grave forms only occurred at Thwing).

		Side				Total
		Supine	Left	Right	Prone	
Position	Extended	281 77.6%	11 3.0%	26 7.2%	7 1.9%	325 89.8%
	Flexed	2 0.6%	17 4.7%	18 5.0%	0 0%	37 10.2
	Total	283 78.2%	28 7.7%	44 12.2%	7 1.9%	362 100

Table A6.1.4. Position and side of interment.

Head facing	Frequency
Ahead	38 21.7%
Left	52 29.7%
Right	82 46.9%
Down	3 1.7%

Table A6.1.5. Head direction.

		Right arm							
		Extended	To pelvis	To chest	To shoulder	To head	Behind back	Under body	Total
L arm	Extended	46 27.7%	14 8.4%	3 1.8%	0 0%	0 0%	0 0%	0 0%	63 38.0%
	To pelvis	35 21.1%	45 27.1%	3 1.8%	2 1.2%	1 0.6%	0 0%	0 0%	86 51.8%
	To chest	6 3.6%	0 0%	2 1.2%	1 0.6%	0 0%	0 0%	0 0%	9 5.4%
	To shoulder	1 0.6%	1 0.6%	0 0%	1 0.6%	0 0%	0 0%	1 0.6%	4 2.4%
	To head	1 0.6%	0 0%	1 0.6%	0 0%	1 0.6%	0 0%	0 0%	3 1.8%
	Behind back	0 0%	0 0%	0 0%	0 0%	0 0%	1 0.6%	0 0%	1 0.6%
	Total	89 53.6%	60 36.1	9 5.4	4 2.4%	2 1.2%	1 0.6%	1 0.6%	166 100%

Table A6.1.6. Disposition of the left and right arms.

Arm disposition	Frequency
Crossed	32 28.6%
Not crossed	80 71.4%

Table A6.1.7. Crossing of the arms.

		Right leg					
		Extended	Bent to left	Bent to right	Bent	Flexed	Total
Left leg	Extended	94 77.0%	2 1.6%	0 0%	1 0.8%	1 0.8%	98 80.2%
	Bent to left	0 0%	3 2.5%	0 0%	0 0%	0 0%	3 2.5%
	Bent to right	0 0%	0 0%	5 4.1%	0 0%	0 0%	5 4.1%
	Bent	1 0.8%	0 0%	0 0%	4 3.3%	0 0%	5 4.1%
	Flexed	1 0.8%	0 0%	0 0%	0 0%	10 8.2%	11 9%
	Total	96 78.6%	5 4.1%	5 4.1%	5 4.1%	11 10%	122 100%

Table A6.1.8. Disposition of the left and right legs.

Leg disposition	Frequency
Crossed	25 19.7%
Not crossed	102 80.3%

Table A6.1.9. Crossing of the legs.

Multiple burial	Frequency
Single interment	1164 98.3%
Contemporary double burial	16 1.4%
Contemporary triple burial	3 0.3%

Table A6.1.10. Multiple burial.

A6.2 Frequencies of grave elaborations and grave goods

Grave elaboration	Frequency
Absent	1028 86.9%
Out of context elaboration	17 1.4%
<i>In situ</i> elaboration	138 11.7%

Table A6.2.1. Occurrence of grave elaborations.

Grave goods	Frequency
Absent	1133 95.8%
Out of context grave goods	3 0.3%
<i>In situ</i> grave goods	47 4.0%

Table A6.2.2. Occurrence of grave goods.

Grave linings and modifications to the grave cut	Frequency
Absent	1134 95.9%
Stone lining	2 0.2%
Wooden board	2 0.2%
Marker post pipe	11 0.9%
Post holes in grave fill	2 0.2%
Stones placed over body	2 0.2%

Table A6.2.3. Modifications to the grave lining and grave cut.

Chest fittings	Frequency
Absent	1070 90.4%
Coffin/ chest fittings	34 2.9%
Out of context chest fittings	26 2.2%
<i>In situ</i> chest fitting	53 4.5%

Table A6.2.4. Occurrence of coffin and chest fittings.

Locks and keys	Frequency
Absent	1172 99.1%
Key	5 0.4%
Lock	6 0.5%

Table A6.2.5. Occurrence of locks and keys.

Nails	Frequency
Absent	1111 93.9%
Out of context nails	13 1.1%
<i>In situ</i> nails	57 4.8%
Cleats	2 0.2%

Table A6.2.6. Occurrence of nails.

Metal grave goods/inclusions	Frequency
Absent	1169 98.8%
Pin	2 0.2%
Knife	1 0.1%
Knife and buckle	5 0.4%
Staple	1 0.1%
Strip	2 0.2%
Object	3 0.3%

Table A6.2.7. Metal grave goods and inclusions.

Copper alloy grave goods/inclusions	Frequency
Absent	1176 99.4%
Pin	2 0.2%
Sheet	1 0.1%
Ring	3 0.3%
Tweezers	1 0.1%

Table A6.2.8. Copper alloy grave goods and inclusions.

Stone grave goods/inclusions	Frequency
Absent	1149 97.1%
Flint	6 0.5%
Haematite	1 0.1%
Shale	5 0.4%
Whetstone	1 0.1%
Quartz pebbles	7 0.6%
Other pebbles, including red pebbles	3 0.3%

Table A6.2.9. Stone grave goods and inclusions.

Other grave goods	Frequency
Worked bone/ivory	3
Coin	2
Glass items	4
Beads	1
Fossil	1
Human teeth	2

Table A6.2.10. Other grave goods and inclusions.

A6.3 Statistical correlations between burial forms and bodily dispositions

Orientation	Grave shape			Total	Significance
	Linear	Ovoid	Keyhole shaped		
W-E	187	20	1	208	$\chi^2=2.649$ p=0.989
N-S	1	0	0	1	
NE-SW	2	0	0	2	
E-W	1	0	0	1	
SE-NW	1	0	0	1	
SW-NE	36	1	0	37	
Total	228	21	1	250	

Table A6.3.1. Orientation vs grave shape.

Orientation	Grave form					Total	Significance
	Pits at head	Pits at foot	Pits at head and foot	Steps/ sockets	Pits at head and steps/ sockets		
W-E	4	9	14	6	1	34	$\chi^2=2.775$ p=0.596
SW-NE	1	0	2	0	0	3	
Total	5	9	16	6	1	37	

Table A6.3.2. Orientation vs grave form.

Orientation	Position		Total	Significance
	Extended	Flexed		
W-E	268	24	295	$\chi^2=19.526$ p=0.003
NW-SE	1	0	1	
NE-SW	1	1	2	
E-W	5	0	5	
SE-NW	1	0	1	
SW-NE	32	11	43	
NWW-SEE	21	0	21	
Total	329	36	365	

Table A6.3.3. Orientation vs bodily position.

Orientation	Side				Total	Significance
	Supine	Left	Right	Prone		
W-E	223	20	43	5	291	$\chi^2=21.235$ p=0.268
NW-SE	1	0	0	0	1	
NE-SW	1	1	0	0	2	
E-W	5	0	0	0	5	
SE-NW	1	0	0	0	1	
SW-NE	27	8	5	2	42	
NWW-SEE	20	0	1	0	21	
Total	278	29	49	7	363	

Table A6.3.4. Orientation vs side.

Orientation	Head facing				Total	Significance
	Ahead	Left	Right	Down		
W-E	30	37	69	3	139	$\chi^2=5.896$ p=0.435
NE-SW	0	1	1	0	2	
SW-NE	7	13	9	0	29	
Total	37	51	79	3	170	

Table A6.3.5. Orientation vs head direction.

Orientation	L arm						Total	Significance
	Extended	To pelvis	To chest	To shoulder	To head	Behind back		
W-E	63	81	7	2	1	1	155	$\chi^2=59.351$ p<0.001
NE-SW	0	1	0	0	1	0	2	
E-W	0	0	1	0	0	0	1	
SW-NE	7	13	4	3	1	0	28	
Total	70	95	12	5	3	1	186	

Table A6.3.6. Orientation vs left arm position.

Orientation	R arm							Total	Significance
	Extended	To pelvis	To chest	To shoulder	To head	Behind back	Under body		
W-E	80	53	5	2	0	1	0	141	$\chi^2=64.053$ p<0.001
NE-SW	0	1	0	0	1	0	0	2	
SW-NE	10	9	5	2	1	0	1	28	
Total	90	63	10	4	2	1	1	171	

Table A6.3.7. Orientation vs right arm position.

Orientation	Arms			Significance
	Not crossed	Crossed	Total	
W-E	79	26	105	$\chi^2=13.349$ p=0.001
NE-SW	0	1	1	
SW-NE	0	4	4	
Total	79	31	110	

Table A63.8. Orientation vs arm position.

Orientation	L leg					Total	Significance
	Extended	Bent to left	Bent to right	Flexed	Bent		
W-E	141	4	8	23	2	178	$\chi^2=62.675$ p<0.001
NE-SW	0	0	0	0	2	2	
SW-NE	22	0	0	4	8	34	
Total	163	4	8	27	12	214	

Table A6.3.9. Orientation vs left leg position.

Orientation	R leg					Total	Significance
	Extended	Bent to left	Bent to right	Flexed	Bent		
W-E	139	6	7	23	2	177	$\chi^2=70.660$ p<0.001
NE-SW	0	0	0	0	2	2	
SW-NE	19	0	0	4	11	34	
Total	158	6	7	27	15	213	

Table A6.3.10. Orientation vs right leg position.

Orientation	Legs			Total	Significance
	Not crossed	Crossed			
W-E	100	15		115	$\chi^2=40.435$ p<0.001
NE-SW	0	1		1	
SW-NE	0	8		8	
Total	100	24		124	

Table A6.3.11. Orientation vs leg position.

Orientation	Multiple burial				Significance
	Single burial	Double burial	Triple burial	Total	
W-E	335	10	3	348	$\chi^2=32.085$ p=0.004
NW-SE	2	0	0	2	
N-S	1	1	0	2	
NE-SW	2	0	0	2	
E-W	6	2	0	8	
SE-NW	3	0	0	3	
SW-NE	44	0	0	44	
NWW-SEE	29	0	0	29	
Total	422	13	3	438	

Table A63.12. Orientation vs multiple burial.

		Grave form					Total	Significance
		Pits at head	Pits at foot	Pits at head and foot	Steps/ sockets	Pits at head and steps/ sockets		
Grave shape	Linear	6	7	16	6	1	36	$\chi^2=6.802$ p=0.147
	Ovoid	0	2	0	0	0	2	
Total		6	9	16	6	1	38	

Table A63.13. Grave shape vs grave form (Note: grave forms only at Thwing).

		Position			Significance
		Extended	Flexed	Total	
Grave shape	Linear	164	24	188	$\chi^2=0.844$ p=0.407* ¹
	Ovoid	11	3	14	
Total		175	27	202	

Table A63.14. Grave shape vs position.

¹ Statistical results marked with an asterisk have been calculated for a 2x2 table using Yate's Correction for Continuity (see chapter 5.3).

		Side				Total	Significance
		Supine	Left	Right	Prone		
Grave shape	Linear	134	15	35	4	188	$\chi^2=1.529$ p=0.675
	Ovoid	11	2	5	0	18	
Total		145	17	40	4	206	

Table A6.3.15. Grave shape vs side.

		Head facing				Total	Significance
		Ahead	Left	Right	Down		
Grave shape	Linear	32	39	64	2	137	$\chi^2=0.416$ p=0.937
	Round	2	3	6	0	11	
Total		34	42	70	2	148	

Table A6.3.16. Grave shape vs head direction.

		L arm						Total	Significance
		Extended	To pelvis	To chest	To shoulder	To head	Behind back		
Grave shape	Linear	56	69	7	4	2	1	139	$\chi^2=2.860$ p=0.722
	Round	5	2	0	0	0	0	7	
Total		61	71	7	4	2	1	146	

Table A6.3.17. Grave shape vs left arm position

		R arm							Total	Significance
		Extended	To pelvis	To chest	To shoulder	To head	Behind back	Under body		
Grave shape	Linear	68	50	8	2	2	1	1	132	$\chi^2=7.145$ p=0.308
	Round	8	0	0	0	0	0	0	8	
Total		76	50	8	2	2	1	1	140	

Table A6.3.18. Grave shape vs right arm position.

		Arms		Total Not crossed	Significance
		Not crossed	Crossed		
Grave shape	Linear	57	25	82	$\chi^2=0.011$ p=1.000*
	Round	2	1		
Total		59	26	85	

Table A6.3.19. Grave shape vs arm position.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Grave shape	Linear	114	3	8	19	11	155	$\chi^2=9.903$ p=0.042
	Round	6	0	0	5	0		
Total		120	3	8	24	11	166	

Table A6.3.20. Grave shape vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Grave shape	Linear	109	4	7	20	14	154	$\chi^2=5.162$ p=0.271
	Round	8	0	0	4	0		
Total		117	4	7	24	14	166	

Table A6.3.21. Grave shape vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
Grave shape	Linear	68	18	86	$\chi^2=0.038$ p=1.000*
	Round	3	1		
Total		71	19	90	

Table A6.3.22. Grave shape vs leg position.

		Multiple burial		Total	Significance
		Single burial	Double burial		
Grave shape	Linear	198	1	199	$\chi^2=0.101$ p=1.000*
	Round	20	0		
Total		218	1	219	

Table A6.3.24. Grave shape vs multiple burial.

		Side				Total	Significance
		Supine	Left	Right	Prone		
Position	Extended	281	11	26	7	325	$\chi^2=151.667$ p<0.001
	Flexed	2	17	18	0		
Total		283	28	44	7	362	

Table A6.3.25. Position vs side.

		Head facing				Total	Significance
		Ahead	Left	Right	Down		
Position	Extended	35	40	59	2	136	$\chi^2=8.729$ p=0.033
	Flexed	0	9	15	1		
Total		35	49	74	3	161	

Table A6.3.26. Position vs head direction.

		L arm					Total	Significance	
		Extended	To pelvis	To chest	To shoulder	To head			Behind back
Position	Extended	66	85	10	4	2	1	168	$\chi^2=5.294$ p=0.381
	Flexed	4	7	2	1	1	0		
Total		70	92	12	5	3	1	183	

Table A6.3.27. Position vs right arm position.

		R arm						Total	Significance	
		Extended	To pelvis	To chest	To shoulder	To head	Behind back			Under body
Position	Extended	80	61	9	4	0	1	1	156	$\chi^2=27.448$ p<0.001
	Flexed	10	1	1	0	2	0	0		
Total		90	62	10	4	2	1	1	170	

Table A6.3.28. Position vs left arm position.

		Arms			Significance
		Not crossed	Crossed	Total	
Position	Extended	78	28	106	$\chi^2=2.715$ p=0.271*
	Flexed	0	1	1	
Total		78	29	107	

Table A6.3.29. Position vs arm position.

		L leg					Significance	
		Extended	Bent to left	Bent to right	Flexed	Bent		Total
Position	Extended	160	4	7	7	5	183	$\chi^2=133.003$ p<0.001
	Flexed	0	0	1	20	7	28	
Total		160	4	8	27	12	211	

Table A6.3.30. Position vs left leg position.

		R leg					Significance	
		Extended	Bent to left	Bent to right	Flexed	Bent		Total
Position	Extended	155	6	6	7	8	182	$\chi^2=125.403$ p<0.001
	Flexed	0	0	1	20	7	28	
Total		155	6	7	27	15	210	

Table A6.3.31. Position vs right leg position.

		Legs			Significance
		Not crossed	Crossed	Total	
Position	Extended	98	22	120	$\chi^2=4.296$ p=0.190
	Flexed	0	1	1	
Total		98	23	121	

Table A6.3.32. Position vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
Position	Extended	292	11	3	306	$\chi^2=1.147$ p=0.563
	Flexed	24	0	0	24	
Total		316	11	3	330	

Table A6.3.33. Position vs multiple burial.

		Head facing				Total	Significance
		Ahead	Left	Right	Down		
Side	Supine	34	33	39	0	106	$\chi^2=125.256$ p<0.001
	Left	0	14	1	1	16	
	Right	1	0	33	0	34	
	Prone	0	2	0	2	4	
Total		35	49	73	3	160	

Table A6.3.34. Side vs head position.

		L arm						Total	Significance
		Extended	To pelvis	To chest	To shoulder	To head	Behind back		
Side	Supine	54	73	8	2	1	0	138	$\chi^2=78.769$ p<0.001
	Left	5	2	2	1	2	0	12	
	Right	10	17	2	1	0	0	30	
	Prone	1	1	0	1	0	1	4	
Total		70	93	12	5	3	1	184	

Table A6.3.35. Side vs left arm position.

		R arm						Total	Significance	
		Extended	To pelvis	To chest	To shoulder	To head	Behind back			Under body
Side	Supine	62	55	8	3	0	0	0	128	$\chi^2=115.238$ p<0.001
	Left	6	2	2	0	1	0	0	11	
	Right	24	2	0	1	1	0	0	28	
	Prone	0	2	0	0	0	1	1	4	
Total		92	61	10	4	2	1	1	171	

Table A6.3.36. Side vs right arm position.

		Arms		Total	Significance
		Not crossed	Crossed		
Side	Supine	68	23	91	$\chi^2=4.430$ p=0.219
	Left	2	2	4	
	Right	6	6	12	
	Prone	1	1	2	
Total		77	32	109	

Table A6.3.37. Side vs arm position.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Side	Supine	129	2	7	4	5	147	$\chi^2=98.829$ p<0.001
	Left	7	1	0	5	5	18	
	Right	13	0	1	18	2	34	
	Prone	3	1	0	0	0	4	
Total		152	4	8	27	12	203	

Table A6.3.38. Side vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Side	Supine	125	3	6	5	7	146	$\chi^2=87.351$ p<0.001
	Left	6	1	0	5	6	18	
	Right	13	1	1	17	2	34	
	Prone	3	1	0	0	0	4	
Total		147	6	7	27	15	202	

Table A6.3.39. Side vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
Side	Supine	85	13	98	$\chi^2=12.968$ p=0.005
	Left	5	2	7	
	Right	5	6	11	
	Prone	1	1	2	
Total		96	22	118	

Table A6.3.40. Side vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
Side	Supine	248	10	2	260	$\chi^2=4.907$ p=0.556
	Left	26	0	0	26	
	Right	26	0	1	27	
	Prone	6	0	0	6	
Total		306	10	3	319	

Table A6.3.41. Side vs multiple burial.

		L arm							Significance
		Extended	To pelvis	To chest	To shoulder	To head	Behind back	Total	
Head facing	Ahead	11	19	1	0	0	0	31	$\chi^2=92.877$ p<0.001
	Left	24	6	3	2	3	0	38	
	Right	18	35	5	2	0	0	60	
	Down	0	1	0	0	0	1	2	
Total		53	61	9	4	3	1	131	

Table A6.3.42. Head direction vs left arm position.

		R arm							Significance	
		Extended	To pelvis	To chest	To shoulder	To head	Behind back	Under body	Total	ance
Head facing	Ahead	16	11	2	0	0	0	0	29	$\chi^2=84.656$ p<0.001
	Left	14	13	6	1	1	0	1	36	
	Right	43	12	0	2	1	0	0	58	
	Down	0	1	0	0	0	1	0	2	
Total		73	37	8	3	2	1	1	125	

Table A6.3.43. Head direction vs right arm position.

		Arms			Significance
		Not crossed	Crossed	Total	
Head facing	Ahead	15	5	20	$\chi^2=3.172$ p=0.366
	Left	17	5	22	
	Right	26	12	38	
	Down	0	1	1	
Total		58	23	81	

Table A6.3.44. Head direction vs arm position.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Head facing	Ahead	31	2	0	0	0	33	$\chi^2=28.056$ p=0.005
	Left	24	1	1	5	8	39	
	Right	42	0	2	15	3	62	
	Down	2	0	0	1	0	3	
Total		99	3	3	21	11	137	

Table A6.3.45. Head direction vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Head facing	Ahead	27	2	0	0	3	32	$\chi^2=19.326$ p=0.081
	Left	23	1	1	5	8	38	
	Right	42	1	2	15	3	63	
	Down	2	0	0	1	0	3	
Total		94	4	3	21	14	136	

Table A6.3.46. Head direction vs right leg position.

		Legs			Total	Significance
		Not crossed	Crossed			
Head facing	Ahead	20	3	23	$\chi^2=5.784$ p=0.123	
	Left	17	6	23		
	Right	27	5	32		
	Down	0	1	1		
Total		64	15	79		

Table A6.3.47. Head direction vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial			
Head facing	Ahead	32	0	32	$\chi^2=1.473$ p=0.689	
	Left	41	2	43		
	Right	58	2	60		
	Down	1	0	1		
Total		132	4	136		

Table A6.3.48. Head direction vs multiple burial.

		R arm								Significance
		Extended	To pelvis	To chest	To shoulder	To head	Behind back	Under body	Total	
L arm	Extended	46	14	3	0	0	0	0	63	$\chi^2=278.166$ p<0.001 Exp count 90.5%
	To pelvis	35	45	3	2	1	0	0	86	
	To chest	6	0	2	1	0	0	0	9	
	To shoulder	1	1	0	1	0	0	1	4	
	To head	1	0	1	0	1	0	0	3	
	Behind back	0	0	0	0	0	1	0	1	
Total		89	60	9	4	2	1	1	166	

Table A6.3.49. Left arm position vs right arm position.

		R arm		Total	
		Extended	To pelvis		
L arm	Extended	46	14	60	15.236 p<0.001
	To pelvis	35	45	80	
Total		81	59	140	

Table A6.3.50. Left arm (extended or to pelvis) vs right arm (extended or to pelvis).

		Arms			Significance
		Not crossed	Crossed	Total	
L arm	Extended	34	2	36	$\chi^2=16.409$ p=0.006
	To pelvis	38	19	57	
	To chest	3	2	5	
	To shoulder	0	1	1	
	To head	1	0	1	
	Behind back	0	1	1	
Total		76	25	101	

Table A6.3.51. Left arm vs arm position.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
L arm	Extended	40	2	5	4	5	56	$\chi^2=19.480$ p=0.419 Exp count 86.7%
	To pelvis	74	1	2	8	2	87	
	To chest	7	0	0	2	0	9	
	To shoulder	3	0	0	0	1	4	
	To head	2	0	0	0	1	3	
	Behind back	1	0	0	0	0	1	
Total		127	3	7	14	9	160	

Table A6.3.52. Left arm position vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
L arm	Extended	40	2	4	4	5	55	$\chi^2=12.286$ p=0.906 Exp count 83.3%
	To pelvis	68	3	2	8	5	86	
	To chest	6	0	0	2	0	8	
	To shoulder	3	0	0	0	1	4	
	To head	2	0	0	0	1	3	
	Behind back	1	0	0	0	0	1	
Total		120	5	6	14	12	157	

Table A6.3.53. Left arm position vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
L arm	Extended	28	3	31	$\chi^2=7.762$ p=0.101
	To pelvis	47	10	57	
	To chest	4	1	5	
	To shoulder	0	1	1	
	To head	1	1	2	
Total		80	16	96	

Table A6.3.54. Left arm position vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
L arm	Extended	58	1	0	59	$\chi^2=24.912$ p=0.002 Exp count 80.0%
	To pelvis	83	2	1	86	
	To chest	7	2	1	10	
	To shoulder	4	0	1	5	
	To head	3	0	0	3	
Total		155	5	3	163	

Table A6.3.55. Left arm position vs multiple burial.

		Arms		Total	Significance
		Not crossed	Crossed		
R arm	Extended	44	4	48	$\chi^2=15.352$ p=0.004
	To pelvis	30	17	47	
	To chest	2	2	4	
	To shoulder	1	0	1	
	Behind back	0	1	1	
Total		77	24	101	

Table A6.3.56. Right arm position vs arm position.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
R arm	Extended	57	2	3	12	3	77	$\chi^2=49.747$ p<0.001 Exp count 83.3%
	To pelvis	52	1	2	0	3	58	
	To chest	6	0	1	1	0	8	
	To shoulder	4	0	0	0	0	4	
	To head	0	0	0	0	2	2	
	Behind back	1	0	0	0	0	1	
Total		120	3	6	13	8	150	

Table A6.3.57. Right arm position vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
R arm	Extended	59	3	3	12	3	80	$\chi^2=51.011$ p<0.001 Exp count 83.3%
	To pelvis	52	2	2	0	3	59	
	To chest	4	0	0	1	3	8	
	To shoulder	4	0	0	0	0	4	
	To head	0	0	0	0	2	2	
	Behind back	1	0	0	0	0	1	
Total		120	5	5	13	11	154	

Table A6.3.58. Right arm position vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
R arm	Extended	41	5	46	$\chi^2=13.419$ p=0.009
	To pelvis	34	6	40	
	To chest	1	2	3	
	To shoulder	1	1	2	
	To head	0	1	1	
Total		77	15	92	

Table A6.3.59. Right arm position vs leg position.

		Multiple burial		Total	Significance
		Single burial	Double burial		
R arm	Extended	72	1	73	$\chi^2=15.373$ p=0.009
	To pelvis	59	0	59	
	To chest	9	1	10	
	To shoulder	3	1	4	
	To head	2	0	2	
	Under body	1	0	1	
Total		146	3	149	

Table A6.3.60. Right arm position vs multiple burial.

		L leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Arms	Not crossed	62	1	3	0	1	67	$\chi^2=5.056$
	Crossed	21	1	0	1	1	24	p=0.281
Total		83	2	3	1	2	91	Exp count 80.0%

Table A6.3.61. Arm position vs left leg position.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
Arms	Not crossed	63	2	2	0	1	68	$\chi^2=5.767$
	Crossed	19	2	0	1	1	23	p=0.217
Total		82	4	2	1	2	91	Exp count 80.0%

Table A6.3.62. Arm position vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
Arms	Not crossed	65	2	67	$\chi^2=15.327$
	Crossed	12	6	18	p=0.001*
Total		77	8	85	

Table A6.3.63. Arm position vs leg position.

		Multiple burial		Total	Significance
		Single burial	Double burial		
Arms	Not crossed	77	3	80	$\chi^2=0.003$
	Crossed	24	1	25	p=1.000*
Total		101	4	105	

Table A6.3.64. Arm position vs multiple burial.

		R leg					Total	Significance
		Extended	Bent to left	Bent to right	Flexed	Bent		
L leg	Extended	153	2	0	1	4	160	$\chi^2=655.974$ p<0.001
	Bent to left	0	4	0	0	0	4	
	Bent to right	1	0	7	0	0	8	
	Flexed	1	0	0	27	0	28	
	Bent	1	0	0	0	11	12	
Total		156	6	7	28	15	212	

Table A6. 3.65. Left leg position vs right leg position.

		Legs		Total	Significance
		Not crossed	Crossed		
L leg	Extended	94	13	107	$\chi^2=4.023$ p=0.259
	Bent to left	3	0	3	
	Bent to right	2	1	3	
	Bent	1	1	2	
Total		100	15	115	

Table A6.3.66. Left leg position vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
L leg	Extended	146	2	1	149	$\chi^2=3.308$ p=0.914 Exp count 80.0%
	Bent to left	4	0	0	4	
	Bent to right	5	0	0	5	
	Flexed	13	1	0	14	
	Bent	12	0	0	12	
Total		180	3	1	184	

Table A6.3.67. Left leg position vs multiple burial.

		Legs		Total	Significance
		Not crossed	Crossed		
R leg	Extended	94	11	105	$\chi^2=11.719$ p=0.008
	Bent to left	3	2	5	
	Bent to right	2	0	2	
	Bent	1	2	3	
Total		100	15	115	

Table A6.3.68. Right leg position vs leg position.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
R leg	Extended	142	2	1	145	$\chi^2=3.690$ p=0.884
	Bent to left	6	0	0	6	
	Bent to right	4	0	0	4	
	Flexed	12	1	0	13	
	Bent	15	0	0	15	
Total		179	3	1	183	

Table A6.3.69. Right leg vs multiple burial.

		Multiple burial			Total	Significance
		Single burial	Double burial	Triple burial		
Legs	Not crossed	100	2	0	102	$\chi^2=5.759$ p=0.056
	Crossed	18	0	1	19	
Total		118	2	1	121	

Table A6.3.70. Leg position vs multiple burial.

A6.4 Statistical correlations between burial forms and grave elaborations

		Grave elaborations			Significance
		Absent	In situ elaboration	Total	
Orientation	W-E	295	102	397	$\chi^2=11.006$ p=0.138
	NW-SE	2	0	2	
	N-S	2	0	2	
	NE-SW	1	1	2	
	E-W	7	1	8	
	SE-NW	3	0	3	
	SW-NE	40	7	47	
	NWW-SEE	27	2	29	
Total		377	113	490	

Table A6.4.1. Orientation vs grave elaborations.

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
Orientation	W-E	378	22	400	$\chi^2=44.300$ p<0.001
	NW-SE	2	0	2	
	N-S	2	0	2	
	NE-SW	1	1	2	
	E-W	8	0	8	
	SE-NW	3	0	3	
	SW-NE	33	15	48	
	NWW-SEE	27	2	29	
Total		454	40	494	

Table A6.4.2. Orientation vs grave inclusions.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Orientation	W-E	319	39	358	$\chi^2=1.749$ p=0.972
	NW-SE	2	0	2	
	N-S	2	0	2	
	NE-SW	2	0	2	
	E-W	7	1	8	
	SE-NW	3	0	3	
	SW-NE	43	4	47	
	NWW-SEE	27	2	29	
Total		405	46	451	

Table A6.4.3. Orientation vs chest fittings.

		Key or lock			Total	Significance
		No key	Key	Lock		
Orientation	W-E	392	5	4	401	$\chi^2=2.149$ p=1.000 Exp count 83.3%
	NW-SE	2	0	0	2	
	N-S	2	0	0	2	
	NE-SW	2	0	0	2	
	E-W	8	0	0	8	
	SE-NW	3	0	0	3	
	SW-NE	48	0	0	48	
	NWW-SEE	29	0	0	29	
Total		486	5	4	495	

Table A6.4.4. Orientation vs key or lock.

		Metal						Total	Significance
		No metal	Pin	Strip	Object	Knife/ buckle	Knife/ strike- a-light		
Orientation	W-E	391	2	2	3	2	1	401	$\chi^2=56.117$ p=0.013 Exp count 91.7%
	NW-SE	2	0	0	0	0	0	2	
	N-S	2	0	0	0	0	0	2	
	NE-SW	1	0	0	0	1	0	2	
	E-W	8	0	0	0	0	0	8	
	SE-NW	3	0	0	0	0	0	3	
	SW-NE	46	0	0	0	2	0	48	
	NWW- SEE	29	0	0	0	0	0	29	
Total		482	2	2	3	5	1	495	

Table A6.4.5. Orientation vs metal.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
Orientation	W-E	398	1	1	1	401	$\chi^2=7.035$ p=0.998 Exp count 87.5%
	NW-SE	2	0	0	0	2	
	N-S	2	0	0	0	2	
	NE-SW	2	0	0	0	2	
	E-W	8	0	0	0	8	
	SE-NW	3	0	0	0	3	
	SW-NE	47	0	0	1	48	
	NWW-SEE	28	0	0	1	29	
Total		490	1	1	3	495	

Table A6.4.6. Orientation vs copper alloy.

		Grave elaborations				Significance
		Absent	Out of context elaboration	In situ elaboration	Total	
Grave shape	Linear	163	4	81	248	$\chi^2=3.123$ p=0.537
	Round	23	2	10	35	
	Keyhole shaped	1	0	0	1	
Total		187	6	91	284	

Table A6.4.7. Grave shape vs grave elaborations.

		Grave inclusions				Significance
		Absent	Out of context inclusion	In situ inclusion	Total	
Grave shape	Linear	218	2	28	248	$\chi^2=2.836$ p=0.586
	Round	34	0	1	35	
	Keyhole shaped	1	0	0	1	
Total		253	2	29	284	

Table A6.4.8. Grave shape vs grave inclusions.

		Chest fittings			Total	Significance
		No fittings	Out of context chest	In situ chest		
Grave shape	Linear	183	13	30	226	$\chi^2=3.607$ p=0.462
	Round	31	3	1	35	
	Keyhole shaped	1	0	0	1	
Total		215	16	31	262	

Table A6.4.9. Grave shape vs chest fittings.

		Key or lock			Total	Significance
		No key	Key	Lock		
Grave shape	Linear	244	3	1	248	$\chi^2=0.589$ p=0.964
	Round	35	0	0	35	
	Keyhole shaped	1	0	0	1	
Total		280	3	1	284	

Table A6.4.10. Grave shape vs key or lock.

		Metal					Total	Significance
		No metal	Pin	Object	Knife/buckle	Knife/strike-a-light		
Grave shape	Linear	239	2	2	4	1	248	$\chi^2=1.349$ p=0.995 Exp count 86.7%
	Round	35	0	0	0	0	35	
	Keyhole shaped	1	0	0	0	0	1	
Total		275	2	2	4	1	284	

Table A6.4.11. Grave shape vs metal.

		Cu alloy					Significance
		No copper alloy	Pin	Sheet	Ring	Total	
Grave shape	Linear	244	1	1	2	248	$\chi^2=3.070$ p=0.800 Exp count 83.3%
	Round	34	1	0	0	35	
	Keyhole shaped	1	0	0	0	1	
Total		279	2	1	2	284	

Table A6.4.12. Grave shape vs copper alloy.

		Grave elaborations			Significance
		Absent	In situ elaboration	Total	
Grave form	No form	56	36	92	$\chi^2=16.620$ p=0.005
	Pits at head	3	3	6	
	Pits at foot	0	9	9	
	Pits at head and foot	5	10	15	
	Steps/ sockets	2	4	6	
	Pits at head and steps/ sockets	0	1	1	
Total		66	63	129	

Table A6.4.13. Grave form vs grave elaborations. (Note: grave forms were only present at Thwing).

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
Grave form	No form	97	0	97	$\chi^2=17.587$ p=0.004
	Pits at head	4	1	5	
	Pits at foot	9	0	9	
	Pits at head and foot	13	2	15	
	Steps/ sockets	5	1	6	
	Pits at head and steps/ sockets	1	0	1	
Total		129	4	133	

Table A6. 4.14. Grave form vs grave inclusions. (Note: grave forms were only present at Thwing).

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Grave form	No form	77	4	81	$\chi^2=31.002$ p<0.001
	Pits at head	5	1	6	
	Pits at foot	3	3	6	
	Pits at head and foot	7	8	15	
	Steps/ sockets	3	0	3	
Total		95	16	111	

Table A6.4.15. Grave form vs chest fittings. (Note: grave forms were only present at Thwing).

		Key		Total	Significance
		No key	Key		
Grave form	No form	97	0	97	$\chi^2=13.671$ p=0.018
	Pits at head	6	0	6	
	Pits at foot	9	0	9	
	Pits at head and foot	15	1	16	
	Steps/ sockets	5	1	6	
	Pits at head and steps/ sockets	1	0	1	
Total		133	2	135	

Table A6.4.16. Grave form vs key or lock. (Note: grave forms were only present at Thwing).

		Metal			Total	Significance
		No metal	Knife/buckle	Knife/ strike-a-light		
Grave form	No form	97	0	0	97	$\chi^2=29.140$ p<0.001
	Pits at head	5	0	1	6	
	Pits at foot	9	0	0	9	
	Pits at head and foot	15	1	0	16	
	Steps/ sockets	6	0	0	6	
	Pits at head and steps/ sockets	1	0	0	1	
Total		133	1	1	135	

Table A6.4.17. Grave form vs metal. (Note: grave forms were only present at Thwing).

		Grave elaborations			Total	Significance
		Absent	Out of context elaboration	In situ elaboration		
Position	Extended	253	5	78	336	$\chi^2=5.698$ p=0.058
	Flexed	22	0	15	37	
Total		275	5	93	373	

Table A6.4.18. Position vs grave elaborations.

		Grave inclusions			Total	Significance
		Absent	Out of context inclusion	In situ inclusion		
Position	Extended	306	0	30	336	$\chi^2=10.024$ p=0.007
	Flexed	31	1	5	37	
Total		337	1	35	373	

Table A6.4.19. Position vs grave inclusions.

		Chest fittings			Total	Significance
		No fittings	Out of context chest	In situ chest		
Position	Extended	271	6	36	313	$\chi^2=9.216$ p=0.010
	Flexed	25	3	8	36	
Total		296	9	44	349	

Table A6.4.20. Position vs chest fittings.

		Key			Total	Significance
		No key	Key	Lock		
Grave shape	Linear	244	3	1	248	$\chi^2=0.573$ p=0.751
	Round	35	0	0	35	
Total		279	3	1	283	

Table A6.4.21. Position vs key or lock.

	Metal						Total	Significance
	No metal	Pin	Strip	Object	Knife/ buckle	Knife/ strike-a-light		
Position Extended	327	2	1	1	4	1	336	$\chi^2=1.119$ p=0.952 Exp count 83.3%
Flexed	36	0	0	0	1	0	37	
Total	363	2	1	1	5	1	373	

Table A6.4.22. Position vs metal.

	Cu alloy					Total	Significance
	No copper alloy	Pin	Sheet	Ring			
Position Extended	331	1	1	3	336	$\chi^2=0.558$ p=0.906	
Flexed	37	0	0	0	37		
Total	368	1	1	3	373		

Table A6.4.23. Position vs copper alloy.

	Grave elaborations		Total	Significance
	Absent	In situ elaboration		
Side Supine	220	61	281	$\chi^2=17.870$ p<0.001
Left	23	7	30	
Right	25	25	50	
Prone	5	2	7	
Total	273	95	368	

Table A6.4.24. Side vs grave elaborations.

	Grave inclusions		Total	Significance
	Absent	In situ inclusion		
Side Supine	260	25	285	$\chi^2=0.364$ p=0.948
Left	26	3	29	
Right	45	5	50	
Prone	6	1	7	
Total	337	34	371	

Table A6.4.25. Side vs grave inclusions.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Side	Supine	234	28	262	$\chi^2=12.964$ p=0.005
	Left	25	3	28	
	Right	31	13	44	
	Prone	6	0	6	
Total		296	44	340	

Table A6.3.26. Side vs chest fittings.

		Key			Total	Significance
		No key	Key	Lock		
Side	Supine	279	3	3	285	$\chi^2=2.100$ p=0.910
	Left	29	1	0	30	
	Right	49	1	1	51	
	Prone	7	0	0	7	
Total		364	5	4	373	

Table A6.4.27. Side vs key or lock.

		Metal						Total	Significance
		No metal	Pin	Strip	Object	Knife/buckle	Knife/strike-a-light		
Side	Supine	278	0	1	1	4	1	285	$\chi^2=14.287$ p=0.504 Exp count 83.3%
	Left	30	0	0	0	0	0	30	
	Right	48	2	0	0	1	0	51	
	Prone	7	0	0	0	0	0	7	
Total		363	2	1	1	5	1	373	

Table A6.4.28. Side vs metal.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
Side	Supine	280	1	1	3	285	$\chi^2=1.565$ p=0.997
	Left	30	0	0	0	30	
	Right	51	0	0	0	51	
	Prone	7	0	0	0	7	
Total		368	1	1	3	373	

Table A6.4.29. Side vs copper alloy.

		Grave elaborations				Significance
		Absent	Out of context elaboration	In situ elaboration	Total	
Head	Ahead	28	1	9	38	$\chi^2=6.700$ p=0.349
	Left	35	1	16	52	
	Right	45	1	36	82	
	Down	1	0	2	3	
Total		109	3	63	175	

Table A6.4.30. Head direction vs grave elaborations.

		Grave inclusions			Significance	
		Absent	Out of context inclusion	In situ inclusion		Total
Head	Ahead	35	0	3	38	$\chi^2=2.821$ p=0.830
	Left	44	1	7	52	
	Right	70	1	11	82	
	Down	2	0	1	3	
Total		151	2	22	175	

Table A6.4.31. Head direction vs grave inclusions.

		Chest fittings			Significance	
		No fittings	Out of context chest	In situ chest		Total
Head	Ahead	28	1	4	33	$\chi^2=7.909$ p=0.245
	Left	39	1	7	47	
	Right	55	5	14	74	
	Down	2	1	0	3	
Total		124	8	25	157	

Table A6.4.32. Head direction vs chest fittings.

		Key or lock			Significance	
		No key	Key	Lock		Total
Head	Ahead	37	0	1	38	$\chi^2=30.526$ p<0.001
	Left	51	1	0	52	
	Right	81	0	1	82	
	Down	2	1	0	3	
Total		171	2	2	175	

Table A6.4.33. Head direction vs key or lock.

		Metal					Total	Significance
		No metal	Pin	Object	Knife/buckle	Knife/strike-a-light		
Head	Ahead	38	0	0	0	0	38	$\chi^2=6.841$ P=0.868 Exp count 85%
	Left	50	0	0	1	1	52	
	Right	77	2	1	2	0	82	
	Down	3	0	0	0	0	3	
Total		168	2	1	3	1	175	

Table A6.4.34. Head direction vs metal.

		Cu alloy			Total	Significance
		No copper alloy	Pin	Ring		
Head	Ahead	37	1	0	38	$\chi^2=4.755$ p=0.576
	Left	52	0	0	52	
	Right	81	0	1	82	
	Down	3	0	0	3	
Total		173	1	1	175	

Table A6.4.35. Head direction vs copper alloy.

		Grave elaborations			Total	Significance
		Absent	In situ elaboration			
L arm	Extended	45	26	71	$\chi^2=3.114$ p=0.682	
	To pelvis	62	30	92		
	To chest	9	3	12		
	To shoulder	4	1	5		
	To head	2	1	3		
	Behind back	0	1	1		
Total		122	62	184		

Table A6.4.36. Left arm position vs grave elaborations.

		Grave elaborations			Significance
		Absent	In situ elaboration	Total	
R arm	Extended	52	37	89	$\chi^2=8.832$ p=0.183
	To pelvis	43	19	62	
	To chest	8	2	10	
	To shoulder	4	0	4	
	To head	2	0	2	
	Behind back	0	1	1	
	Under body	1	0	1	
Total		110	59	169	

Table A6.4.37. Right arm position vs grave elaborations.

		Grave elaborations			Significance
		Absent	In situ elaboration	Total	
Arms	Not crossed	50	28	78	$\chi^2=0.002$ p=1.000*
	Crossed	20	11	31	
Total		70	39	109	

Table A6.4.38. Arm position vs grave elaborations.

		Grave inclusions			Significance
		Absent	In situ inclusion	Total	
L arm	Extended	66	7	73	$\chi^2=2.975$ p=0.704
	To pelvis	82	13	95	
	To chest	11	1	12	
	To shoulder	5	0	5	
	To head	2	1	3	
	Behind back	1	0	1	
Total		167	22	189	

Table A6.4.39. Left arm position vs grave inclusions.

		Grave inclusions			Significance
		Absent	In situ inclusion	Total	
R arm	Extended	83	10	93	$\chi^2=4.340$ p=0.631
	To pelvis	54	9	63	
	To chest	8	2	10	
	To shoulder	4	0	4	
	To head	1	1	2	
	Behind back	1	0	1	
	Under body	1	0	1	
Total		152	22	174	

Table A6.4.40. Right arm position vs grave inclusions.

		Grave inclusions			Significance
		Absent	In situ inclusion	Total	
Arms	Not crossed	72	8	80	$\chi^2=0.003$ p=1.000*
	Crossed	28	3	31	
Total		100	11	111	

Table A6.4.41. Arm position vs grave inclusions.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
L arm	Extended	51	10	61	$\chi^2=2.885$ p=0.718
	To pelvis	71	9	80	
	To chest	9	1	10	
	To shoulder	5	0	5	
	To head	2	1	3	
	Behind back	1	0	1	
Total		139	21	160	

Table A6.4.42. Left arm position vs chest fittings.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
R arm	Extended	62	16	78	$\chi^2=3.903$ p=0.690
	To pelvis	48	6	54	
	To chest	8	1	9	
	To shoulder	4	0	4	
	To head	2	0	2	
	Behind back	1	0	1	
	Under body	1	0	1	
Total		126	23	149	

Table A6.4.43. Right arm position vs chest fittings.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Arms	Not crossed	51	13	64	$\chi^2=1.109$ p=0.376*
	Crossed	24	3	27	
Total		75	16	91	

Table A6.4.44. Arm position vs chest fittings.

		Key or lock		Total	Significance
		No key	Key		
L arm	Extended	72	1	73	$\chi^2=1.597$ p=0.902
	To pelvis	95	0	95	
	To chest	12	0	12	
	To shoulder	5	0	5	
	To head	3	0	3	
	Behind back	1	0	1	
Total		188	1	189	

Table A6. 4.45. Left arm position vs key or lock.

		Key or lock			Total No key	Significance
		No key	Key	Lock		
R arm	Extended	92	1	0	93	$\chi^2=2.631$ p=0.998
	To pelvis	62	0	1	63	
	To chest	10	0	0	10	
	To shoulder	4	0	0	4	
	To head	2	0	0	2	
	Behind back	1	0	0	1	
	Under body	1	0	0	1	
Total		172	1	1	174	

Table A6.4.46. Right arm position vs key or lock.

		Key or lock			Total No key	Significance
		No key	Key	Lock		
Arms	Not crossed	78	1	1	80	$\chi^2=0.851$ p=0.665
	Crossed	32	0	0	32	
Total		110	1	1	112	

Table A6.4.47. Arm position vs key or lock.

		Metal				Total	Significance
		No metal	Pin	Object	Knife/buckle		
L arm	Extended	72	1	0	0	73	$\chi^2=19.104$ p=0.207 Exp count 87.5%
	To pelvis	91	0	1	3	95	
	To chest	12	0	0	0	12	
	To shoulder	5	0	0	0	5	
	To head	2	0	0	1	3	
	Behind back	1	0	0	0	1	
Total		183	1	1	4	189	

Table A6.4.48. Left arm position vs metal.

		Metal				Total	Significance
		No metal	Pin	Object	Knife/buckle		
R arm	Extended	89	1	1	2	93	$\chi^2=4.737$ p=0.999 Exp count 89.3%
	To pelvis	62	0	0	1	63	
	To chest	9	0	0	1	10	
	To shoulder	4	0	0	0	4	
	To head	2	0	0	0	2	
	Behind back	1	0	0	0	1	
	Under body	1	0	0	0	1	
Total		168	1	1	4	174	

Table A6.4.49. Right arm position vs metal.

		Metal					Total	Significance
		No metal	Pin	Object	Knife/buckle	Knife/strike-a-light		
Arms	Not crossed	78	1	1	0	0	80	$\chi^2=5.833$ p=0.212 Exp count 80.0%
	Crossed	30	0	0	1	1	32	
Total		108	1	1	1	1	112	

Table A6.4.50. Arm position vs metal.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
L arm	Extended	73	0	0	0	73	$\chi^2=4.043$ p=0.998 Exp count 87.5%
	To pelvis	91	1	1	2	95	
	To chest	12	0	0	0	12	
	To shoulder	5	0	0	0	5	
	To head	3	0	0	0	3	
	Behind back	1	0	0	0	1	
Total		185	1	1	2	189	

Table A6.4.51. Left arm position vs copper alloy.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
R arm	Extended	90	1	0	2	93	$\chi^2=4.396$ p=1.000 Exp count 89.3%
	To pelvis	62	0	1	0	63	
	To chest	10	0	0	0	10	
	To shoulder	4	0	0	0	4	
	To head	2	0	0	0	2	
	Behind back	1	0	0	0	1	
	Under body	1	0	0	0	1	
Total		170	1	1	2	174	

Table A6.4.52. Right arm position vs copper alloy.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
Arms	Not crossed	77	1	1	1	80	$\chi^2=1.233$ p=0.745
	Crossed	32	0	0	0	32	
Total		109	1	1	1	112	

Table A6.4.53. Arm position vs copper alloy.

		Grave elaborations		Total	Significance
		Absent	In situ elaboration		
L leg	Extended	114	47	161	$\chi^2=11.365$ p=0.023
	Bent to left	4	0	4	
	Bent to right	3	5	8	
	Flexed	14	14	28	
	Bent	10	2	12	
Total		145	68	213	

Table A6.4.54. Left leg position vs grave elaborations.

		Grave elaborations		Total	Significance
		Absent	In situ elaboration		
R leg	Extended	114	47	161	$\chi^2=12.657$ p=0.013
	Bent to left	4	0	4	
	Bent to right	3	5	8	
	Flexed	14	14	28	
	Bent	10	2	12	
Total		145	68	213	

Table A6.4.55. Right leg position vs grave elaborations.

		Grave elaborations		Total	Significance
		Absent	In situ elaboration		
Legs	Not crossed	71	30	101	$\chi^2=0.028$ p=1.000*
	Crossed	18	7	25	
Total		89	37	126	

Table A6.4.56. Leg position vs grave elaborations.

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
L leg	Extended	146	19	165	$\chi^2=6.846$ p=0.144
	Bent to left	4	0	4	
	Bent to right	8	0	8	
	Flexed	24	3	27	
	Bent	8	4	12	
Total		190	26	216	

Table A6.4.57. Left leg position vs grave inclusions.

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
R leg	Extended	142	18	160	$\chi^2=8.286$ p=0.082
	Bent to left	6	0	6	
	Bent to right	7	0	7	
	Flexed	24	3	27	
	Bent	10	5	15	
Total		189	26	215	

Table A6.4.58. Right leg position vs grave inclusions.

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
Legs	Not crossed	94	8	102	$\chi^2=1.561$ p=0.251*
	Crossed	21	4	25	
Total		115	12	127	

Table A6.4.59. Leg position vs grave inclusions.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
L leg	Extended	123	18	141	$\chi^2=8.401$ p=0.078
	Bent to left	4	0	4	
	Bent to right	5	2	7	
	Flexed	17	7	24	
	Bent	12	0	12	
Total		161	27	188	

Table A6.4.60. Left leg position vs chest fittings.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
R leg	Extended	119	17	136	$\chi^2=8.917$ p=0.063
	Bent to left	5	1	6	
	Bent to right	4	2	6	
	Flexed	17	7	24	
	Bent	15	0	15	
Total		160	27	187	

Table A6.4.61. Right leg position vs chest fittings.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Legs	Not crossed	71	13	84	$\chi^2=0.796$ p=0.513*
	Crossed	22	2	24	
Total		93	15	108	

Table A6.4.62. Leg position vs chest fittings.

		Key or lock			Total	Significance
		No key	Key	Lock		
L leg	Extended	164	0	1	165	$\chi^2=13.924$ p=0.084
	Bent to left	4	0	0	4	
	Bent to right	8	0	0	8	
	Flexed	26	2	0	28	
	Bent	12	0	0	12	
Total		214	2	1	217	

Table A6.4.63. Left leg position vs key or lock.

		Key or lock			Total	Significance
		No key	Key	Lock		
R leg	Extended	159	0	1	160	$\chi^2=13.888$ p=0.085
	Bent to left	6	0	0	6	
	Bent to right	7	0	0	7	
	Flexed	26	2	0	28	
	Bent	15	0	0	15	
Total		213	2	1	216	

Table A6.4.64. Right leg position vs key or lock.

		Key or lock		Total	Significance
		No key	Lock		
Legs	Not crossed	101	1	102	$\chi^2=0.247$ p=1.000*
	Crossed	25	0	25	
Total		126	1	127	

Table A6.4.65. Leg position vs key or lock.

		Metal				Total	Significance
		No metal	Pin	Object	Knife/buckle		
L leg	Extended	160	2	1	2	165	$\chi^2=4.765$ p=0.968 Exp count 80.0%
	Bent to left	4	0	0	0		
	Bent to right	8	0	0	0		
	Flexed	27	0	0	1		
	Bent	11	0	0	1		
Total		210	2	1	4	217	

Table A6.4.66. Left leg vs metal.

		Metal				Total	Significance
		No metal	Pin	Object	Knife/buckle		
R leg	Extended	155	2	1	2	160	$\chi^2=3.961$ p=0.984
	Bent to left	6	0	0	0		
	Bent to right	7	0	0	0		
	Flexed	27	0	0	1		
	Bent	14	0	0	1		
Total		209	2	1	4	216	

Table A6.4.67. Right leg vs metal.

		Metal					Total	Significance
		No metal	Pin	Strip	Object	Knife/ strike-a-light		
Legs	Not crossed	99	2	0	1	0	102	$\chi^2=8.949$ p=0.062
	Crossed	23	0	1	0	1		
Total		122	2	1	1	1	127	Exp 80.0%

Table A6.4.68. Leg position vs metal.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
L leg	Extended	161	1	1	2	165	$\chi^2=1.284$ p=1.000 Exp count 80.0%
	Bent to left	4	0	0	0	4	
	Bent to right	8	0	0	0	8	
	Flexed	28	0	0	0	28	
	Bent	12	0	0	0	12	
Total		213	1	1	2	217	

Table A6.4.69. Left leg position vs copper alloy.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
R leg	Extended	156	1	1	2	160	$\chi^2=1.246$ p=1.000
	Bent to left	6	0	0	0	6	
	Bent to right	7	0	0	0	7	
	Flexed	28	0	0	0	28	
	Bent	15	0	0	0	15	
Total		212	1	1	2	216	

Table A6.4.69. Right leg position vs copper alloy.

		Cu alloy				Total	Significance
		No copper alloy	Pin	Sheet	Ring		
Legs	Not crossed	99	1	1	1	102	$\chi^2=0.753$ p=0.861
	Crossed	25	0	0	0	25	
Total		124	1	1	1	127	

Table A6.4.70. Leg position vs copper alloy.

		Grave elaborations		Total	Significance
		Absent	In situ elaboration		
Multiple burial	Single burial	972	85	1057	$\chi^2=19.863$ p<0.001
	Double burial	11	4	15	
	Triple burial	3	3	6	
Total		986	92	1078	

Table A6.4.71. Multiple burial vs grave elaborations.

		Multiple burial (single/multiple)		Total	Significance
		Single burial	Multiple burial		
Grave elaborations	Absent	1014	14	1028	$\chi^2=9.919$ p=0.007
	Out of context elaboration	17	0	17	
	In situ elaboration	131	7	138	
Total		1162	21	1183	

Table A6.4.72. Multiple burial (single/multiple) vs grave elaborations.

		Grave inclusions			Total	Significance
		Absent	Out of context inclusion	In situ inclusion		
Multiple burial	Single burial	1025	2	44	1071	$\chi^2=0.942$ p=0.919
	Double burial	15	0	0		
	Triple burial	6	0	0		
Total		1046	2	44	1092	

Table A6.4.73. Multiple burial vs grave inclusions.

		Multiple burial (single/multiple)		Total	Significance
		Single burial	Multiple burial		
Grave inclusions	Absent	1112	21	1133	$\chi^2=0.943$ p=0.624
	Out of context inclusion	3	0	3	
	In situ inclusion	47	0	47	
Total		1162	21	1183	

Table A6.4.74. Multiple burial (single/multiple) vs grave inclusions.

		Chest fittings			Total	Significance
		No fittings	Out of context chest	In situ chest		
Multiple burial	Single burial	994	14	35	1043	$\chi^2=12.159$ p=0.016
	Double burial	12	0	3	15	
	Triple burial	3	0	0	3	
Total		1009	14	38	1061	

Table A6.4.75. Multiple burial vs chest fittings.

		Chest fittings			Total	Significance
		No fittings	Out of context chest	In situ chest		
Multiple burial (single/multiple)	Single burial	1055	26	49	1130	$\chi^2=6.552$ p=0.038
	Multiple burial	15	0	3	18	
Total		1070	26	52	1148	

Table A6.4.76. Multiple burial (single/multiple) vs chest fittings.

		Key or lock			Total	Significance
		No key	Key	Lock		
Multiple burial	Single burial	1063	3	5	1071	$\chi^2=10.493$ p=0.033
	Double burial	14	0	1	15	
	Triple burial	6	0	0	6	
Total		1083	3	6	1092	

Table A6.4.77. Multiple burial vs key or lock

		Multiple burial (single/multiple)		Total	Significance
		Single burial	Multiple burial		
Key or lock	No key	1152	20	1172	$\chi^2=7.753$ p=0.021
	Key	5	0	5	
	Lock	5	1	6	
Total		1162	21	1183	

Table A6.4.78. Multiple burial (single/multiple) vs key or lock.

		Metal							Total	Significance
		No metal	Pin	Staple	Strip	Object	Knife/buckle	Knife/strike-a-light		
Multiple burial	Single burial	1058	2	1	2	3	4	1	1071	$\chi^2=0.258$ p=1.000 Exp count 85.7%
	Double burial	15	0	0	0	0	0	0	15	
	Triple burial	6	0	0	0	0	0	0	6	
Total		1079	2	1	2	3	4	1	1092	

Table A6.4.79. Multiple burial vs metal

		Multiple burial		Total	Significance
		Single burial	Multiple burial		
Metal	No metal	1148	21	1169	$\chi^2=0.259$ p=1.000 Exp count 85.7%
	Pin	2	0	2	
	Staple	1	0	1	
	Strip	2	0	2	
	Object	3	0	3	
	Knife/buckle	5	0	5	
	Knife/ strike-a-light	1	0	1	
Total		1162	21	1183	

Table A6.4.80. Multiple burial (single/multiple) vs metal.

		Cu alloy					Total	Significance
		No copper alloy	Pin	Sheet	Ring	Tweezers		
Multiple burial	Single burial	1064	2	1	3	1	1071	$\chi^2=0.138$ p=1.000 Exp count 80.0%
	Double burial	15	0	0	0	0	15	
	Triple burial	6	0	0	0	0	6	
Total		1085	2	1	3	1	1092	

Table A6.4.81. Multiple burial vs copper alloy.

		Multiple burial		Total	Significance
		Single burial	Multiple burial		
Cu alloy	No copper alloy	1155	21	1176	$\chi^2=0.128$ p=0.998 Exp count 80.0%
	Pin	2	0	2	
	Sheet	1	0	1	
	Ring	3	0	3	
	Tweezers	1	0	1	
Total		1162	21	1183	

Table A6.4.82. Multiple burial (single/multiple) vs copper alloy.

		Grave elaborations		Total	Significance
		Absent	In situ elaboration		
Other position	None	991	131	1122	$\chi^2=19.539$ p=0.002
	Tied up?	1	1	2	
	Cramped into grave	1	2	3	
	Grave too big	0	1	1	
	Shrouded	34	3	37	
	Contorted	1	0	1	
Total		1028	138	1166	

Table A6.4.83. Other positions vs grave elaborations.

		Grave inclusions		Total	Significance
		Absent	In situ inclusion		
Other position	None	1106	30	1136	$\chi^2=178.829$ p<0.001
	Tied up?	2	0	2	
	Cramped into grave	3	0	3	
	Grave too big	0	1	1	
	Shrouded	21	16	37	
	Contorted	1	0	1	
Total		1133	47	1180	

Table A6.4.84. Other positions vs grave inclusions.

		Chest fittings		Total	Significance
		No fittings	In situ chest		
Other position	None	1027	51	1078	$\chi^2=7.606$ p=0.179
	Tied up?	2	0	2	
	Cramped into grave	2	1	3	
	Grave too big	1	0	1	
	Shrouded	37	0	37	
	Contorted	1	0	1	
Total		1070	52	1122	

Table A6.4.85. Other positions vs chest fittings.

		Key or lock			Total	Significance
		No key	Key	Lock		
Other position	None	1128	5	6	1139	$\chi^2=0.429$ p=1.000 Exp count 83.3%
	Tied up?	2	0	0	2	
	Cramped into grave	3	0	0	3	
	Grave too big	1	0	0	1	
	Shrouded	37	0	0	37	
	Contorted	1	0	0	1	
Total		1172	5	6	1183	

Table A6.4.86. Other positions vs key or lock.

		Metal						Total	Significance	
		No metal	Pin	Staple	Strip	Object	Knife/ buckle			Knife/ strike-a- light
Other position	None	1129	2	1	2	3	2	0	1139	$\chi^2=1238$.871 p=<0.001 Exp count 95.2%
	Tied up?	2	0	0	0	0	0	0	2	
	Cramped into grave	3	0	0	0	0	0	0	3	
	Grave too big	0	0	0	0	0	0	1	1	
	Shrouded	34	0	0	0	0	3	0	37	
	Contorted	1	0	0	0	0	0	0	1	
Total		1169	2	1	2	3	5	1	1183	

Table A6.4.87. Other positions vs metal.

	Cu alloy					Total	Significance
	No copper alloy	Pin	Sheet	Ring	Tweezers		
Other position	None	1133	2	1	2	1	$\chi^2=9.214$ $p=0.980$ Exp count 93.3%
	Tied up?	2	0	0	0	0	
	Cramped into grave	3	0	0	0	0	
	Grave too big	1	0	0	0	0	
	Shrouded	36	0	0	1	0	
	Contorted	1	0	0	0	0	
	Total	1176	2	1	3	1	

Table A6.4.88. Other positions vs copper alloy.

A6.5. Statistical inter-correlations between elaborations

		Grave inclusions			Total	Significance
		Absent	In situ inclusion			
Grave elaborations	Absent	1002	26	1028	$\chi^2=42.306$ $p<0.001^*$	
	In situ elaboration	117	19	136		
	Total	1119	45	1164		

Table A6.5.1. Grave elaborations vs grave inclusions.

		Key or lock			Total	Significance
		No key	Key	Lock		
Grave elaborations	Absent	1027	1	0	1028	$\chi^2=67.588$ $p<0.001$
	In situ elaboration	128	4	6	138	
	Total	1155	5	6	1166	

Table A6.5.2. Grave elaborations vs key or lock.

		Metal						Total	Significance	
		No metal	Pin	Staple	Strip	Object	Knife/buckle			Knife/strike-a-light
Grave elaborations	Absent	1024	0	1	0	1	2	0	1028	$\chi^2=57.720$ p<0.001 Exp count 85.7%
	In situ elaboration	128	2	0	2	2	3	1	138	
	Total	1152	2	1	2	3	5	1	1166	

Table A6.5.3. Grave elaborations vs metal.

		Cu alloy					Total	Significance
		No copper alloy	Pin	Sheet	Ring	Tweezers		
Grave elaborations	Absent	1021	2	1	3	1	1028	$\chi^2=0.945$ p=0.918
	In situ elaboration	138	0	0	0	0	138	
	Total	1159	2	1	3	1	1166	

Table A6.5.4. Grave elaborations vs copper alloy.

		Stone grave goods/inclusions						Total
		Flint	Haematite	Shale	Whetstone	Quartz pebbles	Other pebbles	
Grave elaborations	Absent	5	0	1	1	7	2	16
	Present	1	1	0	0	0	1	3
Total		6	1	1	1	7	3	19

Table A6.5.5. Grave elaborations vs stone inclusions (No statistics calculated due to low prevalences).

		Other inclusions						Total
		Worked bone/ivory	Coin	Glass	Beads	Fossil	Human teeth	
Grave elaborations	Absent	0	1	2	0	0	2	5
	Present	2	1	2	1	1	0	7
Total		2	2	4	1	1	2	12

Table A6.5.6. Grave elaborations vs other inclusions (No statistics calculated due to low prevalences).

		Chest fittings			Total	
		No fittings	In situ chest			
Grave inclusions	Absent	1036	41	1077	$\chi^2=28.427$ $p<0.001^*$	
	In situ inclusion	34	9	43		
Total		1070	50	1120		

Table A6.5.7. Grave inclusions vs chest fittings.

		Grave linings and modifications to the grave cut							Total
		Stone	Wooden board	Marker post pipe	Post holes in fill	Stones over body	Stone and wooden board	Marker post and holes in fill	
Grave inclusions	Absent	1	1	11	2	1	0	1	17
	In situ inclusion	1	0	0	0	1	1	0	3
Total		2	1	11	2	2	1	1	20

Table A6.5.8. Grave inclusions vs grave linings and modifications to the grave cut. (No statistics calculated due to low prevalences).

		Key or lock			Total	Significance
		No key	Key	Lock		
Chest fittings	No fittings	1069	1	0	1070	$\chi^2=148.864$ $p<0.001$
	In situ chest	44	3	5	52	
Total		1113	4	5	1122	

Table A6.5.9. Chest fittings vs key or lock.

		Metal							Significance	
		No metal	Pin	Staple	Strip	Object	Knife/buckle	Knife/strike-a-light	Total	
Chest fittings	No fittings	1061	0	1	1	2	4	1	1070	$\chi^2=53.567$ p<0.001
	In situ chest	48	2	0	1	0	1	0	52	
Total		1109	2	1	2	2	5	1	1122	Exp count 85.7%

Table A6.5.10. Chest fittings vs metal.

		Cu alloy					Significance	
		No copper alloy	Pin	Sheet	Ring	Tweezers	Total	
Chest fittings	No fittings	1063	2	1	3	1	1070	$\chi^2=0.0342$ p=0.987
	In situ chest	52	0	0	0	0	52	
Total		1115	2	1	3	1	1122	Exp count 80.0%

Table A6. 5.11. Chest fittings vs copper alloy.

		Stone grave goods/inclusions						Total
		Flint	Haematite	Shale	Whetstone	Quartz pebbles	Other pebbles	
Chest fittings	Absent	5	0	1	1	7	3	17
	Present	0	0	0	0	0	0	0
Total		5	0	1	1	7	3	17

Table A6.5.12. Chest fittings vs stone inclusions. (No statistics calculated due to low prevalences).

		Other grave goods						Total
		Worked bone/ivory	Coin	Glass	Beads	Fossil	Human teeth	
Chest fittings	Absent	0	1	2	0	0	2	5
	Present	2	1	2	1	1	0	7
Total		2	2	4	1	1	2	12

Table A6.5.13. Chest fittings vs other grave goods. (No statistics calculated due to low prevalences).

		Grave linings and modifications to the grave cut							Total
Chest fittings	No inclusion	Stone	Wooden board	Marker post pipe	Post holes in fill	Stones over body	Stone and wooden board	Marker post and holes in fill	
	Absent	1037	1	1	7	2	2	1	1
In situ	48	0	0	1	0	0	0	0	52
Total	1085	1	1	8	2	2	1	1	1122

Table A6.5.14. Chest fittings vs grave linings and modifications to the grave cut. (No statistics calculated due to low prevalences).