



Sacrum paleopathology in hunter-gatherers from Southern Patagonia
M. D'Angelo del Campo, L. Medialdea, P. García, M. Salemme, F. Santiago, M. Campo, A. González, and R. Guichón

Supplementary information table2. Prevalence of SBO in skeletal samples in the world.
Lifestyles: HG: Hunter-gatherer; A: Agriculture; HFG: ND: no data.
Number of incomplete archs: O: open; C: close. Cells empty: without information provided.

Continent	Collection	Lifestyle	Period	N	S1	S2	S3	S4	S5	S6	S7	Total	Total S1	O S1-S2
					n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
Africa	Egyptians (Egypt). Housed at U.S. National Museum, Smithsonian Institution, Washington (USA)		1980-1790 BC (12 th dynasty)	83					(29)					
	Tenerife north													
	Tenerife south													
	Guanche population from Tenerife Island, Canary Islands (Spain)	HG	Prehispanic (before 15 th century)	♀:										
				♂:										
	Punta Azul site, Hierro island, Canary Islands (Spain)	HG	Prehispanic (before 15 th century)	♀:										
				♂:										
				28										
	Giza (Egypt)		2630 - 2160 BC (4 th -6 th dynasties)	♀: 135										
				♂: 135										
			Total: 270											
Hierro island, Canary Islands (Spain)	HG	Prehispanic (before 15 th century)												
			♀: 35									23 (65,7)		
Greco-Roman ancient Egyptians from Bahriyah Oasis (Egypt)		Greco-Roman (332-30 BC)	♂: 41									6 (14,6)		
			Total: 77									48 (62,3)		
Kellis 2 cemetery, Dakhleh Oasis (Egypt)	ND	Romano-Christian period (50 - 450 A.D.)	♀: 114											
			♂: 82											
			Total: 196											
America	North	Yukon River, Alaska (USA)	HG	♀: 73					27 (37)			27 (37)		1 (1,4)
				♂: 74					19 (25,7)		1919 (25,7)		8 (10,9)	
				Total: 147					46 (31,3)		46 (31,3)		9 (6,1)	



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Total n (%)	Total S1 n (%)	Classification	Reference
		S1-S5 (S3-S5 <i>hiatus sacralis</i>)	Post 1966
(19)			
(24)			
(16)		S1-S5	Rodríguez Martín 1995
(26)			
(21)			
4			
3	1	S1-S5	Mas-Pascual et al. 1999
8 (28,5)	1 (3,6)		
2 (1,48)	1 (0,74)		
7 (5,18)	1 (0,74)	S1-S5	Sarry El-Din and El- Shafi el Banna 2006
9 (3,33)	2 (0,74)		
(40)		ND	Mateos et al. 2008
23 (65,7)			
6 (14,6)		S1-S5	Hussein et al. 2009
48 (62,3)			
	17 (14,9)		
	16 (19,5)	S1	Sarfo 2014
	33 (16,9)		
	2 (2,7)		
	13 (17,6)	S1-S5 (S3-S5 <i>hiatus sacralis</i>)	Stewart 1932
	15 (8,4)		



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Table supplementary 2.

White		♂ : 107	(22)
Black		♂ : 103	(24)
Terry Collection, Anatomy Department, Washington University School of Medicine, St. Louis (USA) DOCUMENTED		Total: 210	
White		♂ : 91	(32)
Black		♂ : 93	(29)
Hamann-Todd Collection, Western Reserve University Medical School, Cleveland, Ohio (USA). -poorhouse cadavers- DOCUMENTED		Total: 184	
Illinois natives (USA)	HG	40	(35)
Arikara natives (USA)	HG	38	(26)
Physical Anthropology Division of the U.S. National Museum (USA)		Total: 135	
Eskimos from St. Lawrence Island, Alaska (USA)	HG	12	(19)
American Natives (Illinois, Kansas y Oregón) -USA-	HG	55	(31)
Kagamil Island, Aleutians Islanders, Alaska (USA)	HG	94	(40)
U.S. National Museum, Smithsonian Institution, Washington (USA)		Total: 417	
Tijeras Pueblo, Albuquerque, New Mexico (USA)		♀ : 11	
A	14 th century	♂ : 22	2 (9,1)
		Total: 34	2 (5,9)



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(2)

(2)

(2)

(2)

(1)

(1)

1 (9,1)

1 (9,1)

1 (4,5)



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(13)				
(13)				
(10)				
(10)				
(17)				
(21)				
	S1-S5 (S3-S5 <i>hiatus sacralis</i>)	Post 1966		
(13)				
(10)				
2 (18,21)				
3 (13,63)	1 (4,5)	S1-S5	Devro and Cordell 1981	
5 (14,7)	1 (2,9)			



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Table supplementary 2.

Sully site, South Dakota (USA)	1650-1700 AD	♀ : 42			
		♂ : 58			
		Total: 100			
Larson site, South Dakota (USA)	1679-1733	♀ : 32			
		♂ : 43			
		Total: 75			
Arikara skeleton series, South Dakota (USA)					
Saldermiut, Southampton Island and nearby Coats Island north of Hudson Bay (Canada).	HG	"extinct" 20th century	♀	1	1
			♂	8	8
			Total: 94	9 (9,6)	9 (9,6)
Thule-Historic, northwest of Hudson Bay (Canada).	HG	1200 AD - present	♀	3	3
			♂	5	5
			Total: 95	8 (8,4)	8 (8,4)
Hamann-Todd Collection, Western Reserve University Medical School, Cleveland, Ohio (USA). DOCUMENTED			♀ : 512		
			♂ : 2371		
			Total: 2866		
Alaska (USA)			♀ : 416		
			♂ : 476		
			Total: 947		
Eastern Woodland (USA)	Prehistoric,		♀ : 69		
			♂ : 96		
			Total: 172		
Great Basin/ NW /California (USA)	HG	Protohistoric and	♀ : 45		
			♂ : 54		
			Total: 108		
Great Plains (USA)	Historic / recent		♀ : 159		
			♂ : 211		
			Total: 406		
Southwest (USA)			♀ : 151		
			♂ : 115		
			Total: 283		



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35 (1,2)

2 (0,5)

16 (3,4)

21 (2,2)

4 (2,3)

2 (1,8)

2 (0,5)

3 (1,1)



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Table supplementary 2.

Native American skeletal remains, National Museum of Natural History, Smithsonian Institution, Washington (USA)			♀ : 852												
			♂ : 965												
			Total: 1943												
Caminar Bajo, Matanzas (Cuba)	HFG	Pre-Columbian (3000-1250 BP)	21												
Purisméño, Chumash people, Poinis Sal, Santa Bárbara, California (USA)	HG	1000-1510 BP	27												
W. M. Bass Donated Skeletal Collection, Tennessee University, Knoxville (USA) DOCUMENTED			♀ : 90												
			♂ : 90												
			Total: 180												
Chicama cemeteries (Perú). Housed at U.S. National Museum, Smithsonian Institution, Washington (USA)	HG		173	(28)											
Quebrada de Camarones, sites 8 and 9 (Chile). Mummies			♀ : 18												
			♂ : 16												
			Total: 37												
Valle de Azapa, site Azapa 140 and Valle de Lluta, site Lluta 54 (Chile). Mummies			♀ : 53												
			♂ : 30												
			Total: 83												
Colección Rómulo Lambre, Universidad Nacional de La Plata (Argentina) DOCUMENTED			♀ : 33												
			♂ : 67												
			Total: 100												
Southern Patagonia	HG	Pre-contact (5.500-450 AP)	♀ : 4	0 (0)	0 (0)	0 (0)	1 (25,0)	2 (50,0)	2 (50,0)	1 (100)	3 (75,0)	0 (0)	0 (0)	0 (0)	
			♂ : 7	2 (28,6)	0 (0)	1 (14,3)	2 (28,6)	7 (100)	0 (0)	0 (0)	7 (100)	2 (28,6)	0 (0)	0 (0)	0 (0)
			Total: 11	2 (18,2)	0 (0)	1 (9,1)	3 (27,3)	9 (81,8)	2 (66,7)	1 (100)	10 (90,9)	2 (18,2)	0 (0)	0 (0)	0 (0)
			♀ : 2	0 (0)	0 (0)	0 (0)	1 (50,0)	1 (50,0)	0 (0)	0 (0)	1 (50,0)	0 (0)	0 (0)	0 (0)	0 (0)
			♂ : 6	2 (33,4)	0 (0)	0 (0)	1 (16,7)	5 (83,3)	2 (50,0)	0 (0)	6 (100)	2 (33,4)	0 (0)	0 (0)	0 (0)
			Total: 8	2 (20)	0 (0)	0 (0)	2 (25,0)	6 (75,0)	1 (33,3)	0 (0)	7 (87,5)	2 (20)	0 (0)	0 (0)	0 (0)
		SMLC (1.897-1926)	♀ : 5	2 (40,0)	0 (0)	1 (20,0)	1 (20,0)	3 (60,0)	1 (50,0)	0 (0)	4 (80,0)	2 (40,0)	0 (0)	0 (0)	1 (20,0)
			♂ : 6	1 (16,7)	0 (0)	0 (0)	1 (16,7)	4 (66,7)	1 (50,0)	0 (0)	5 (83,3)	1 (16,7)	0 (0)	0 (0)	0 (0)
			Total: 11	3 (27,3)	0 (0)	1 (9,1)	2 (18,2)	7 (63,6)	2 (50,0)	0 (0)	9 (81,8)	3 (27,3)	0 (0)	0 (0)	1 (9,1)
			♀ : 15	2 (13,3)	0 (0)	1 (6,7)	4 (26,7)	8 (53,3)	3 (42,9)	1 (50,0)	9 (60,0)	2 (13,3)	0 (0)	0 (0)	1 (6,7)
			♂ : 29	5 (17,2)	0 (0)	1 (3,4)	9 (31,0)	25 (86,2)	6 (75,0)	1 (50,0)	27 (93,1)	5 (17,2)	0 (0)	0 (0)	0 (0)
			Total: 56	7 (12,5)	0 (0)	2 (4,2)	13 (27,1)	35 (72,9)	9 (60,0)	2 (50,0)	39 (81,3)	7 (12,5)	0 (0)	0 (0)	1 (2,1)



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9 (1,1)
20 (2,1)
32 (1,6)

1 (3,7)
2 (1,1)

(22)

2 (3)															
2 (2)															
0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (25)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (50)
0 (0)	2 (28,6)	0 (0)	0 (0)	0 (0)	1 (14,3)	1 (14,3)	2 (28,6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
0 (0)	2 (18,2)	0 (0)	0 (0)	0 (0)	1 (9,1)	1 (9,1)	3 (27,3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (18,2)
0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (50)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (50)
0 (0)	1 (16,7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (16,7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (16,7)
0 (0)	1 (12,5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (25)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (25)
1 (20)	2 (40)	0 (0)	0 (0)	0 (0)	1 (20)	1 (20)	1 (20)	1 (20)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)
1 (16,7)	1 (16,7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (16,7)	0 (0)	1 (16,7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (33,3)
2 (18,2)	3 (27,3)	0 (0)	0 (0)	0 (0)	1 (9,1)	1 (9,1)	2 (18,2)	1 (9,1)	2 (18,2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (36,4)
1 (6,7)	2 (13,3)	0 (0)	0 (0)	0 (0)	1 (6,7)	1 (6,7)	3 (20)	1 (6,7)	1 (6,7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (33,3)
1 (3,4)	4 (13,8)	0 (0)	0 (0)	0 (0)	1 (3,4)	1 (3,4)	4 (13,8)	0 (0)	1 (3,4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (10,3)
2 (3,6)	6 (10,7)	0 (0)	0 (0)	0 (0)	2 (3,6)	2 (3,6)	7 (12,5)	1 (1,8)	2 (3,6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	8 (14,3)



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14 (67)		S1-S5 ("non-fusion of at least two SV")	Armstrong 2012
7 (26)		S1-S5	Kobari 2013
6 (6,6)			
9 (10)		S1-S5	Maijanen 2014
15 (8,3)			
		S1-S5 (S3-S5 hiatus sacralis)	Post 1966
1 (5,5)			
4 (25)			
5 (13,5)		S1-S3	Silva-Pinto et al. 2010
1 (1,9)			
1 (3,3)			
2 (2,4)			
0	0		
2 (3)	0	S1-S5 (S4-S5 hiatus sacralis, no examined)	Plischuk 2012
2 (2)	0		
3 (75)	0 (0)	S1 + S2-S5 (hiatus sacralis)	This work
7 (100)	2 (28,6)		
10 (90,9)	2 (18,2)		
1 (50,0)	0 (0)		
6 (100)	2 (33,4)		
7 (87,5)	2 (20)		
4 (80)	2 (40)		
5 (83,3)	1 (16,7)		
9 (81,8)	3 (27,3)		
9 (60)	2 (13,3)		
27 (93,1)	5 (17,2)		
39 (81,3)	7 (12,5)		



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Table supplementary 2.

Canton chinoise (China). Housed at Physical Anthropology Division of the U.S. National Museum (USA)			♂: 45	(2)	
Earth Burials, Failaka island (Kuwait)	ND	Hellenistic period	4		
			♀: 22		
Jiangjiliang cemetery, Hebei province (China)	Early A	Neolithic period (7000- 3000 BP)	♂: 23		
			Total: 45		
			♀:		
Xiaohandi cemetery (Minhe X), Mapai cemetery (Minhe M), and LGS sites, Qinghai province (China)	A	Xindian culture, Bronze Age of China (ca. 3000BP)	♂: 10		
			Total:		
			♀: 12		
MXV Collection (China)	A	Xindian culture, Bronze Age of China (ca. 3000BP)	♂: 11		
			Total: 23		
			♀:		
Northern and Eastern China human remains (China)	A	Neolithic period through the Bronze Age	♂:		
			Total:		
			♀: 74		
Chinese skeletons by the Department of Anatomy, School of Basic Medical Sciences, Southern Medical University, China DOCUMENTED	Urban	X	♂: 129		
			Total: 203	2 (1)	37 (18,2)
Jews		Hellenistic (332-63 BCE),	64		
Nabateans		Roman (63 BCE. 324 CE) and	50		
Other populations (during Byzantine period, mostly Christians and Pagans)		Byzantine (324-638 CE)	29		
Mamilla cemetery, Jerusalem	Urban	Ottoman period (13 th -19 th centuries)	14		
Kishle compound, Jaffa			15		
Human skeletal remains found in Israel Antiquities Authority (IAA) excavations (Israel)					
Amaziya/Duweimeh, northern Negev desert (Israel)	Sedentary village	Ottoman periodf (17 th - 19 th centuries)	31		
Chinese mine labourers who worked and died on the Witwatersrand mines (South Africa)	Mine labourers	1904–1910 AD	♂: 36		



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(2)

1 (25%)

1 (25%)

6 (3)

1 (0,5)

1 (0,5)

5 (2,5)

1 (0,5)

4 (2)

1 (5)



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(40)	S1-S5 (S3-S5 <i>hiatus sacralis</i>)	Post 1966
2 (50)	1 (25)	ND Maat et al. 1990
	1 (4,55)	
	3 (13,04)	
	4 (8,9)	
	0	
	4 (40)	
	3 (25)	S1-S5 Hernández 2009
	1 (9,1)	
	4 (17,4)	
19 (25,7)		
38 (29,5)		
57 (28,1)	43 (21,2)	S1-S5 Wu et al. 2009
(6,3)		
(4)		
(6,7)		ND Nagar 2011
(0)		
(0)		
		ND Nagar 2012
(0)		
2 (10)		ND Meyer and Stein 2013
	1 (5)	



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Table supplementary 2.

Department of Anatomy, B. J. Medical College, Ahmedabad; Government Dental College, Ahmedabad; Medica College, Vadodara and Government Medical College Surat, Gujarat (Western India)	ND	ND	302	32 (10,6)						
	ND	ND	302							
Indian skeletal from Osteology Laboratory, Department of Anatomy, All India Institute of Medical Sciences (AIIMS), Rishikesh (India)	ND	ND	140	2 (1,4)						
Islamic International Medical College Rawalpindi, Islamabad (Pakistan)	ND	ND	200						7 (3,5)	
St Bride's Church, London (England).		18th century	♀		13					
			♂		15					
			Total: 165		28 (17)					
St Bride's Church, Fleet Street, London (England)	Urban	18th - 19th century	112	13 (11,6)				13 (11,6)	2 (1,8)	
Hungarian populations at Anthropological Department of the Hungarian Natural History Museum, Budapest (Hungary)		10th-17th centuries	♀ : 120		4 (3,3)					
			♂ : 133		8 (7,1)					
			Total: 223		1 (0,45)		12 (4,2)			1 (0,45)
Monte Bibebe, Apennines south of Bologna (Italy)	ND	4 th -2 nd BC	16							
Pompeii (Italy)		79 AD	124	14 (11)	0	9 (7)	52 (42)	110 (89)	110 (89)	14 (11)
Archeological excavations in Lithuania (Lithuania)		1st and 2nd millenium AD	633	98 (15,6)	28 (4,4)	47 (7,5)	238 (37,6)	532 (84,5)		98 (15,6)
Cemetery located inside the medieval fortification of Devin-Hrad site (DH)	Urban	11 th -12 th centuries (Middle Ages)	♀ : 52		2 (4)					
			♂ : 43		2 (5)					
			Total: 109		4 (4)					
Periphery at the Devin-Za kolostom site (FR)	Urban	9 th century (Great Moravian Period)	♀ : 11							
			♂ : 14							
			Total: 28							
Devin fortification, localized on the confluence of the Danube and Moravia rivers, northwest of Bratislava (Slovakia)										
Wharram Percy, Yorkshire (England) DOCUMENTED		10th-19th centuries	164	18 (11)					23 (14)	1 (0,6)



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			S1	Kubavat et al. 2013a
		32 (10,6)		
			S1-S5 (complete sacral cleft)	Kubavat et al. 2013b
	85 (60,7)		S1-S5	Singh 2013
55 (39,3)		4 (2,8)		
	69 (34,5)		S1-S5 (S4-S5 hiatus sacralis)	Ali et al. 2014
		18 (9)		
	13			
	15		S1-S5	Berry 1975
	28 (17)			
		17 (15,2)	S1	Saluja 1988
	4 (3,3)			
	8 (7,1)			
	12 (4,2)	5 (2,1)	S1-S5	Józsa et al. 1992
		2 (12,5)	S1-S5	Brasili 1998
14 (11)	110 (89)	14 (11)	S1 + S2-S5 (<i>hiatus sacralis</i>)	Hennenberg and Hennenberg 1999
		115 (18,4)	S1-S5	Jankauskas 2001
	10 (19)	3 (6)		
	11 (26)	3 (7)		
	26 (24)	7 (6,5)		
	1 (9)	1 (9)	S1-S5	Mascinová and Benus 2003
	5 (36)	3 (21)		
	6 (23)	4 (16)		
		23 (14)	S1	Mays 2006



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Table supplementary 2.

Eleutherna, cemetery associated ecclesiastical monument, Crete (Greece)			35				
Gortyn, cemetery associated ecclesiastical monument, Crete (Greece)	A	Byzantine Period (6 th -7 th centuries AD)	4				
Kefali, Crete (Greece)			12				
Byzantin Crete (Greece)			51				
Necropolis of Saint-Urnel, Finistère (France)		(5th-11th centuries)	30	2			2 (6,6)
Drustar, fortress in the Lower Danube (Bulgaria)	Rural	9th – 15th century AD	♀: 42				
			♂: 61				
			Total: 105				
Medieval graveyard in Crkvina, in Šopot near Benkovac (Croatia)	Rural	14th–15th centuries	22				
Six medieval Croatian sites: Svečurje-Žestinj, Rižinice, Bijači Stombrate, Ostrovica Greblje, Kamenmost aldrma, and Otok Vuletina rupa – Grebčine (Croatia)	ND	9 th -18 th centuries	42				
“Virgin Mary” Catholic Church		15th–19th centuries	♀: 10	1 (10)			1 (10)
			♂: 18	0			0
			Total: 28	1 (3,5)			1 (3,5)
“Saint Nicholas-Ciurchi” Church	Urban	16th–18th centuries	♀: 67	0			0
			♂: 62	1 (1,6)			1 (1,6)
			Total: 129	1 (0,8)			1 (0,8)
Banu Church		16th–19th centuries	♀: 5	0			0
			♂: 8	0			0
			Total: 13	0			0
Eastern part of the ex-Princely Court (“Curtea domnească”), Iași (Romania)	Elite	17th century	♀: 25	0	0		0
			♂: 65	2 (3)	1 (1,5)	3 (4,5)	2 (3)
			Total: 91	2 (2,2)	1 (1,1)	3 (3,3)	2 (2,2)
Dărmănești	Rural	14th–15th centuries	♀: 7	0			0
			♂: 7	0			0
			Total: 14	0			0
Medieval and Postmedieval from Eastern Romania (Romania)			♀: 114	1 (0,9)	0	1 (0,9)	1 (0,9)
			♂: 161	3 (1,9)	1 (0,6)	4 (2,48)	3 (1,9)
			Total: 275	4 (1,4)	1 (0,3)	5 (1,8)	4 (1,4)



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3 (4,9)					1 (1,6)	
3 (2,9)					1 (0,95)	
					1 (10)	
					0	
					1 (3,5)	
					0	
		0				
		1 (1,6)			1 (1,6)	
		1 (0,8)			1 (0,8)	
					0	
					1 (12,5)	
					1 (7,7)	
					1 (3,9)	0
0						0
2 (3)					0	2 (3)
						1 (1,5)
2 (2,2)				1 (1,1)	2 (2,2)	1 (1,1)
					0	
					1 (14,3)	
					1 (7,1)	
0		0		0	1 (0,9)	1 (0,9)
						0
2 (1,2)		1 (0,6)		1 (0,6)	1 (0,6)	3 (1,9)
						1 (0,6)
2 (0,7)		1 (0,3)		1 (0,3)	2 (0,7)	4 (1,4)
						1 (0,3)



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0	0		
4 (6,5)	3 (4,9)	S1-S5	Toneva 2013
4 (3,8)	3 (2,9)		
<hr/>			
2 (22,2)			
<hr/>			
		ND	Bašić et al. 2015
2 (4,76)			
<hr/>			
1 (10)	1 (10)		
0	0		
1 (3,5)	1 (3,5)		
0	0		
2 (3,2)	1 (1,6)		
2 (1,6)	1 (0,8)		
0	0		
1 (12,5)	0		
1 (7,7)	0	S1-S5	Groza et al. 2016
1 (4)	0		
5 (7,5)	4 (6)		
6 (6,6)	4 (4,4)		
0	0		
1 (14,3)	0		
1 (7,1)	0		
2 (1,8)	1 (0,9)		
9 (5,5)	5 (3,1)		
11 (4)	6 (2,2)		



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Table supplementary 2.

Pamplonas <i>maqbara</i> , Navarra (Spain)	Urban	8 th century	♀: 31							
			♂: 43							
			Total: 79							
Australian Aborigens. South Australian Museum and Department of Anatomy, University of Adelaide (Australia)	HG	ND	♀: 48							
			♂: 63							
			Total: 125		22 (18)		22 (18)		40 (32,5)	
Australian Aborigenes (Australia)	HG		12		(25)					
<i>ahypua'a</i> , Auhauhea'e, Kailua village, North Kona, Hawai'i Island (USA)	ND	1894-1910 AD (postcontact)	♀: 7							
			♂: 4 2 (50)							
			Total: 11		2 (18,2)					
<i>Apurquam</i> , Chamorro site on Guam, Mariana Island (USA)	ND	1000-1521 AD (precontact Latte Period)	♀: 4							
			♂: 7							
			Total: 11							
Department of Anatomical Sciences at the University of Adelaide (Australia) DOCUMENTED	X		53	0	2 (4)	12 (23)	35 (66)	53 (100)	53 (100)	0
Australian	ND	ND	53							



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1				
1				
2				
0				
2 (3,2)				
2 (1,8)	1 (0,9)	17 (13,5)	82 (65,8)	3 (2,7)
0				
1 (14,3)				
1 (9,1)				
0				
0				
0				
0	2 (3,8)	10 (18,9)	23 (43,3)	
	2 (4)	10 (19)	23 (43)	



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3				
3		S1-S5	Ibáñez 2016	
6				
11 (22,9)				
25 (39,5)		S1-S2	Tulsi 1972	
124 (99,2)	40 (32,5)			
(8)		S1-S5 (S3-S5 <i>hiatus sacralis</i>)	Post 1966	
1 (14,3)				
2 (50)		S1-S5 " <i>hiatus sacralis</i> "	Pietrusewsky and Douglas 1992	
3 (27,3)				
		S1-S5 " <i>hiatus sacralis</i> "	Douglas et al. 1997	
0	53 (100)	0	X	Albrecht et al. 2007
18 (34)	35 (66)	0	S1-S5	Singh 2013