

**Supplementary Table S1.** Sex differential of NEN by main organ primary, stage and morphology. n, number of tumours; NET, neuroendocrine tumour; NEC, neuroendocrine carcinoma

		Site, n	Appendix, n=2,146							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	453	19	247	12	71	4	16	9
		%	41.0%	57.6%	35.1%	75.0%	32.6%	36.4%	38.1%	50.0%
	Female	n	652	14	456	4	147	7	26	9
		%	59.0%	42.4%	64.9%	25.0%	67.4%	63.6%	61.9%	50.0%

		Site, n	Caecum, n=528							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	3	1	8	4	75	23	72	42
		%	30.0%	50.0%	38.1%	44.4%	44.1%	48.9%	41.6%	43.8%
	Female	n	7	1	13	5	95	24	101	54
		%	70.0%	50.0%	61.9%	55.6%	55.9%	51.1%	58.4%	56.3%

		Site, n	Colon, n=509							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	25	4	5	10	28	43	59	124
		%	61.0%	80.0%	41.7%	47.6%	60.9%	64.2%	62.8%	55.6%
	Female	n	16	1	7	11	18	24	35	99
		%	39.0%	20.0%	58.3%	52.4%	39.1%	35.8%	37.2%	44.4%

		Site, n	Lung, n=4,661							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	660	119	132	46	84	105	167	541
		%	31.3%	38.5%	40.1%	47.4%	39.3%	52.0%	44.9%	52.5%
	Female	n	1448	190	197	51	130	97	205	489
		%	68.7%	61.5%	59.9%	52.6%	60.7%	48.0%	55.1%	47.5%

		Site, n	Pancreas, n=2,183							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	229	18	186	26	100	34	320	317
		%	52.2%	32.1%	53.0%	72.2%	57.8%	73.9%	55.2%	63.1%
	Female	n	210	38	165	10	73	12	260	185
		%	47.8%	67.9%	47.0%	27.8%	42.2%	26.1%	44.8%	36.9%

		Site, n	Rectum, n=948							
		Stage	I		II		III		IV	

		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	275	12	15	12	14	41	27	148
		%	52.9%	57.1%	55.6%	63.2%	56.0%	64.1%	62.8%	64.6%
	Female	n	245	9	12	7	11	23	16	81
		%	47.1%	42.9%	44.4%	36.8%	44.0%	35.9%	37.2%	35.4%

		Site, n	Small intestine, n=3,201							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	103	1	167	8	710	29	676	110
		%	50.2%	20.0%	63.5%	72.7%	57.0%	58.0%	55.6%	53.7%
	Female	n	102	4	96	3	536	21	540	95
		%	49.8%	80.0%	36.5%	27.3%	43.0%	42.0%	44.4%	46.3%

		Site, n	Stomach, n=658							
		Stage	I		II		III		IV	
		Morph	NET	NEC	NET	NEC	NET	NEC	NET	NEC
Sex	Male	n	70	4	36	15	16	48	44	174
		%	40.5%	50.0%	52.2%	75.0%	64.0%	73.8%	65.7%	75.3%
	Female	n	103	4	33	5	9	17	23	57
		%	59.5%	50.0%	47.8%	25.0%	36.0%	26.2%	34.3%	24.7%