

Changes in body mass index, weight, and waist-to-hip ratio over five years in HIV-positive individuals in the HIV Heart Aging Study compared to the general population

Infection

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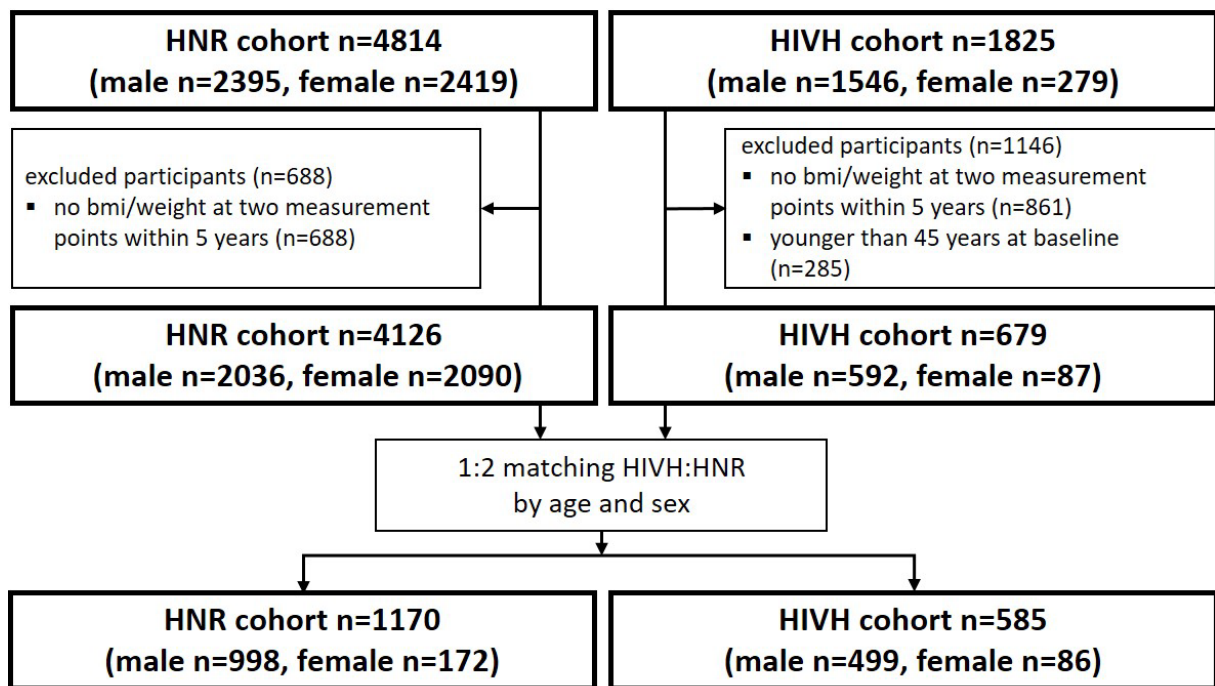
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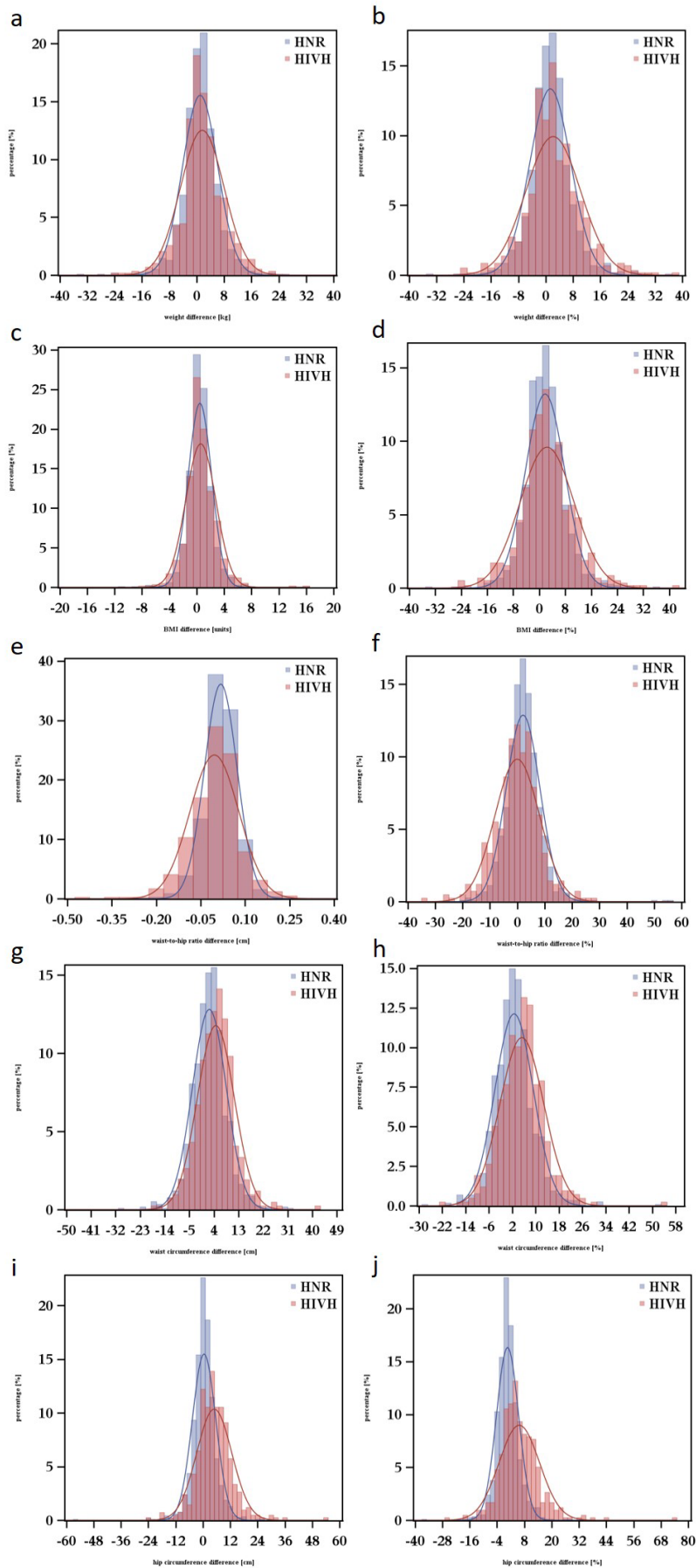
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Online Resource 1: flowchart patients of HIVH & HNR included in analysis matched 1:2 by age and sex (state HIVH June 2021)



Online Resource 2: Histograms for the absolute and relative weight (a & b), BMI (c & d), WHR (e & f), waist circumference (g & h), and hip circumference (i & j) difference within 5 years in HIVH and HNR

Online Resource 3: absolute and relative weight gain in HIVH and HNR

study	weight gain (relative)			
	≥10%	<10% to >-10%	≤-10%	total
HIVH	79 (13.5 %)	472 (80.7 %)	34 (5.8 %)	585
HNR	73 (6.2 %)	1064 (90.9 %)	33 (2.8 %)	1170
	weight gain (absolute)			
	≥10kg	<10kg to >-10kg	≤-10kg	total
HIVH	46 (7.9 %)	519 (88.7 %)	20 (3.4 %)	585
HNR	43 (3.7 %)	1104 (94.4 %)	23 (2 %)	1170

Online Resource 4: HIVH & HNR characteristics stratified by relative weight gain

		HIVH		HNR		HIVH		HNR	
		weight change within 5 years ≥10%							
		Baseline				absolute change after 5 years			
		N	n (%) / MEAN ± SD	N	n (%) / MEAN ± SD	n (%) / MEAN ± SD	n (%) / MEAN ± SD		
sex	female	79	17 (21.52 %)	73	26 (35.6 %)				
age	[years]	79	51.94 ± 4.8	73	52.68 ± 5.45				
blood pressure	systolic [mmHg]	69	139.77 ± 17.73	73	130.23 ± 20.53	-2.74 ± 23.05	+5.96 ± 19.58		
	diastolic [mmHg]	69	85.56 ± 12.19	73	81.09 ± 10.79	-1.78 ± 11.67	+1.09 ± 11.75		
diabetes mellitus	yes	77	2 (2.6 %)	73	10 (13.7 %)	+3 (4 %)	+8 (12.7 %)		
total cholesterol	[mg/dl]	76	204.29 ± 43.9	73	217.82 ± 35.68	+8.96 ± 45.27	+9.77 ± 39.97		
LDL	[mg/dl]	71	125.33 ± 37.4	73	132.9 ± 31.67	+14.82 ± 39.74	+3.31 ± 30.69		
HDL	[mg/dl]	73	50.31 ± 18.72	73	55.11 ± 16.9	-0.77 ± 12.49	+1.13 ± 10.2		
weight	[kg]	79	77.11 ± 14.18	73	79.02 ± 14.05	+11.99 ± 4.88	+11.51 ± 3.97		
BMI	[kg/m ²]	79	25.38 ± 3.94	73	27.13 ± 4.27	+4.05 ± 2.24	+4.04 ± 1.28		
waist-to-hip ratio		67	0.98 ± 0.07	73	0.93 ± 0.09	+0.01 ± 0.11	+0.05 ± 0.05		
smoking	yes	67	38 (56.72 %)	73	37 (50.68 %)	+1 (9.09 %)	0		
		weight change within 5 years <10% to >-10%							
		Baseline				absolute change after 5 years			
sex	female	509	71 (13.95 %)	1117	164 (14.68 %)				
age	[years]	509	54.64 ± 6.82	1117	54.8 ± 6.76				

blood pressure	systolic [mmHg]	459	139.03 ± 19.28	1116	133.51 ± 19.13	-1.2 ± 20.08	+1.2 ± 18.2
	diastolic [mmHg]	459	84.22 ± 11.79	1116	83.53 ± 10.85	-2.18 ± 11.84	-2.22 ± 10.84
diabetes mellitus	yes	509	44 (9.05 %)	1117	146 (13.07 %)	+21 (4.75 %)	+87 (8.96 %)
total cholesterol	[mg/dl]	502	212.67 ± 42.72	1113	225.09 ± 37.6	+4.9 ± 44.97	-3.72 ± 36.34
LDL	[mg/dl]	455	130.14 ± 38.66	1110	143.61 ± 35.17	+10.3 ± 39.7	-11.9 ± 31.2
HDL	[mg/dl]	473	49.78 ± 15.79	1112	52.96 ± 15.12	+1.75 ± 11.27	+1.77 ± 9.88
weight	[kg]	509	77.76 ± 14.57	1117	83.8 ± 14.15	+2.64 ± 5.67	+1.45 ± 4.47
BMI	[kg/m ²]	509	25.1 ± 4.21	1117	27.58 ± 3.93	+0.92 ± 2	+0.61 ± 1.51
waist-to-hip ratio		420	0.98 ± 0.07	1117	0.95 ± 0.08	+0 ± 0.08	+0.02 ± 0.05
smoking	yes	435	191 (43.91 %)	1117	320 (28.65 %)	+12 (29.27 %)	+30 (27.03 %)
		weight change within 5 years ≤10%					
		Baseline				absolute change after 5 years	
sex	female	34	7 (20.59 %)	33	5 (15.15 %)		
age	[years]	34	56.91 ± 6.35	33	55.91 ± 7.98		
blood pressure	systolic [mmHg]	28	137.89 ± 16.72	32	137.78 ± 18.68	-6.69 ± 21.58	-4.82 ± 18.13
	diastolic [mmHg]	28	80.89 ± 10.2	32	83.89 ± 9.64	-2.47 ± 15.47	-6.13 ± 9.19
diabetes mellitus	yes	32	4 (12.5 %)	33	7 (21.21 %)	+4 (14.29 %)	+4 (15.38 %)
total cholesterol	[mg/dl]	34	211.18 ± 47.1	33	222.88 ± 42.25	-14.97 ± 73.69	-20.5 ± 35.31
LDL	[mg/dl]	29	128.59 ± 42.63	32	152.69 ± 41.05	-3.16 ± 60.22	-27.79 ± 34.6
HDL	[mg/dl]	31	50.31 ± 15.96	33	46.7 ± 16.47	+0.47 ± 12.66	+3.37 ± 8.66
weight	[kg]	34	81.09 ± 17.1	33	94.92 ± 20.15	-11.85 ± 4.27	-13.52 ± 6.2
BMI	[kg/m ²]	34	26.59 ± 4.65	33	31.37 ± 5.96	-3.8 ± 1.32	-4.24 ± 2.01
waist-to-hip ratio		23	0.99 ± 0.07	32	0.98 ± 0.07	+0 ± 0.09	-0.02 ± 0.07
smoking	yes	25	12 (48 %)	33	11 (33.33 %)	0	+2 (66.67 %)