

The detection rate of total dyslipidemia was 61.05%, and showed a trend of increasing with age; The detection rate of high blood TC was 14.53%, and showed a trend of increasing with age; The detection rate of high blood TG was 22.67%, of which detection rate was decreasing with the age in male, while the detection rate revealed an increasing trend in female ;The detection rate of low HDL-C was 42.44%; The detection rate of high LDL-C was 3.49% .

Table S1 The comparison of the main indexes among the ethnic groups

Detection rate	Age	Male(n,%)	Female(n,%)	Tota;(n,%)
Total dyslipidemia	20-44	50.98(26/51)	58.82(30/51)	54.90(56/102)
	45-59	62.96(17/27)	66.67(14/21)	64.58(31/48)
	60-90	80.00(12/15)	85.71(6/7)	81.82(18/22)
High TC	20-90	59.14(55/93)	63.29(50/79)	61.05(105/172)
	20-44	7.84(4/51)	13.73(7/51)	10.78(11/102)
	45-59	7.40(2/27)	23.81(5/21)	14.58(7/48)
	60-90	26.67(4/15)	42.86(3/7)	31.82(7/22)
High TG	20-90	10.75(10/93)	18.99(15/79)	14.53(25/172)
	20-44	27.45(14/51)	15.69(8/51)	21.57(22/102)
	45-59	25.93(7/27)	19.05(4/21)	22.92(11/48)
	60-90	13.33(2/15)	57.14(4/7)	27.27(6/22)
Low HDL-C	20-90	24.73(23/93)	20.25(16/79)	22.67(39/172)
	20-44	33.33(17/51)	47.06(24/51)	40.20(41/102)
	45-59	48.14(13/27)	42.86(9/21)	45.83(22/48)
	60-90	46.67(7/15)	42.85(3/7)	45.45(10/22)
High LDL-C	20-90	39.78(37/93)	45.56(36/79)	42.44(73/172)
	20-44	3.92(2/51)	3.92(2/51)	3.92(4/102)
	45-59	3.70(1/27)	0(0/21)	2.08(1/48)
	60-90	0(0/15)	1.43(1/7)	4.55(1/22)
	20-90	3.23(3/93)	3.80(3/79)	3.49(6/172)

TG: Triglycerides; TC: Cholesterol; HDL: High density lipoproteins; LDL: Low density lipoproteins. Han (n=600); Uyгур (n=172); Kazak (n=630). Comparison between groups was used *t* test. Values are given as the mean±SD. *P*<0.01, the difference was statistically significant.

The detection rate of total dyslipidemia in Han, Uyгур and Kazak population was respectively 22.22%, 61.05% and 15.08%. The detection rate of total dyslipidemia was significantly higher in Uyгур population than Han and Kazak population ($P<0.01$). The results were shown in the Table S2.

Table S2 The detection rate of dyslipidemia in Han, Uyгур and Kazak population

Ethnics	Age	Male(n,%)	Female(n,%)	Total(n,%)
Han	20-44	32.05(83/259)	9.03(43/476)	17.14(126/735)
	45-59	38.99(62/159)	22.03(65/295)	27.97(127/454)
	60-90	27.66(26/94)	30.26(23/76)	28.82(49/170)
	20-90	33.40(171/512) *#	15.47(131/847) *#	22.22(302/1359) #
Uyгур	20-44	50.98(26/51)	58.82(30/51)	54.90(56/102)
	45-59	62.96(17/27)	66.67(14/21)	64.58(31/48)
	60-90	80.00(12/15)	85.71(6/7)	81.82(18/22)
	20-90	59.14(55/93) #	63.29(50/79) #	61.05(105/172) #
Kazak	20-44	13.21(14/106)	6.91(17/246)	8.81(31/352)
	45-59	26.09(18/69)	21.93(25/114)	23.50(43/183)
	60-90	19.51(8/41)	24.07(13/54)	22.11(21/95)
	20-90	18.52(40/216) #	13.29(55/414) #	15.08(95/630) #
Han, Uyгур and Kazak	20-44	29.57(123/416)	11.64(90/773)	17.91(213/1189)
	45-59	38.04(97/255)	24.19(104/430)	29.34(201/685)
	60-90	30.67(46/150)	30.66(42/137)	30.66(88/287)
	20-90	32.40(266/821) *	17.61(236/1340) *	23.23(502/2161)

* $P<0.01$, intra-group comparison; # $P<0.01$, Comparison among various ethnic groups. The difference was statistically significant.

The detection rate of high TC in Han, Uyгур and Kazak population was respectively 6.03%, 14.53% and 11.90%. The detection rate of high TC was significantly higher in Uyгур population than Han and Kazak population ($P<0.01$). The results were shown in the Table S3.

Table S3 The detection rate of high TC in Han, Uyгур and Kazak population

Ethnics	Age	Male(n,%)	Female(n,%)	Total(n,%)
Han	20-44	4.63(12/259)	2.52(12/476)	3.27(24/735)
	45-59	10.69(17/159)	7.80(23/295)	8.81(40/454)
	60-90	6.38(6/94)	15.78(12/76)	10.59(18/170)
	20-90	6.83(35/512) [#]	5.55(47/847) [#]	6.03(82/1359) [#]
Uyгур	20-44	7.84(4/51)	13.73(7/51)	10.78(11/102)
	45-59	7.40(2/27)	23.81(5/21)	14.58(7/48)
	60-90	26.67(4/15)	42.86(3/7)	31.82(7/22)
	20-90	10.75(10/93) [#]	18.99(15/79) [#]	14.53(25/172) [#]
Kazak	20-44	8.49(9/106)	3.66(9/246)	5.11(18/352)
	45-59	23.19(16/69)	20.18(23/114)	21.31(39/183)
	60-90	19.51(8/41)	18.52(10/54)	18.95(18/95)
	20-90	15.28(33/216) [#]	10.15(42/414) [#]	11.90(75/630) [#]
Han, Uyгур and Kazak	20-44	6.01(25/416)	3.62(28/773)	4.46(53/1189)
	45-59	13.73(35/255)	11.86(51/430)	12.55(86/685)
	60-90	12.0(18/150)	18.25(25/137)	14.98(43/287)
	20-90	9.50(78/821)	7.76(104/1340)	8.42(182/2161)

[#] $P<0.01$, Comparison among various ethnic groups. The difference was statistically significant.

The detection rate of high TG in Han, Uyгур and Kazak population was respectively 12.36%, 22.67% and 3.02%. The detection rate of high TG was significantly higher in Uyгур population than Han and Kazak population ($P<0.01$). The results were shown in the Table S4.

Table S4 The detection rate of high TG in Han, Uyгур and Kazak population

Ethnics	Age	Male(n,%)	Female(n,%)	Total(n,%)
Han	20-44	16.60(43/259)	3.99(19/476)	8.44(62/735)
	45-59	25.16(40/159)	12.88(38/295)	17.18(78/454)
	60-90	15.96(15/94)	17.11(13/76)	16.47(28/170)
	20-90	19.14(98/512) *#	8.26(70/847) *#	12.36(168/1359) #
Uyгур	20-44	27.45(14/51)	15.69(8/51)	21.57(22/102)
	45-59	25.93(7/27)	19.05(4/21)	22.92(11/48)
	60-90	13.33(2/15)	57.14(4/7)	27.27(6/22)
	20-90	24.73(23/93) #	20.25(16/79) #	22.67(39/172) #
Kazak	20-44	6.60(7/106)	1.63(4/246)	3.13(11/352)
	45-59	4.35(3/69)	1.75(2/114)	2.73(5/183)
	60-90	0(0/41)	5.56(3/54)	3.16(3/95)
	20-90	4.63(10/216) #	2.17(9/414) #	3.02(19/630) #
Han, Uyгур and Kazak	20-44	15.38(64/416)	4.01(31/773)	7.99(95/1189)
	45-59	19.61(50/255)	10.23(44/430)	13.72(94/685)
	60-90	11.33(17/150)	14.60(20/137)	12.89(37/287)
	20-90	15.96(131/821) *	7.10(95/1340) *	10.46(226/2161)

* $P<0.01$, intra-group comparison; # $P<0.01$, Comparison among various ethnic groups. The difference was statistically significant.

The detection rate of low HDL-C in Han, Uyгур and Kazak population was respectively 6.11%, 42.44% and 0.63%. The detection rate of low HDL-C was significantly higher in Uyгур population than Han and Kazak population ($P<0.01$). The results were shown in the Table S5.

Table S5 The detection rate of low HDL-C in Han,Uyгур and Kazak population

Ethnics	Age	Male(n,%)	Female(n,%)	Total(n,%)
Han	20-44	13.13(34/259)	9.66(16/476)	6.80(50/735)
	45-59	10.06(16/159)	2.37(7/295)	5.07(23/454)
	60-90	7.45(7/94)	3.95(3/76)	5.88(10/170)
	20-90	11.13(57/512) *#	3.07(26/847) *#	6.11(83/1359) #
Uyгур	20-44	33.33(17/51)	47.06(24/51)	40.20(41/102)
	45-59	48.14(13/27)	42.86(9/21)	45.83(22/48)
	60-90	46.67(7/15)	42.85(3/7)	45.45(10/22)
	20-90	39.78(37/93) #	45.56(36/79) #	42.44(73/172) #
Kazak	20-44	0(0/109)	1.63(4/246)	1.14(4/352)
	45-59	0(0/69)	0(0/114)	0(0/183)
	60-90	0(0/41)	0(0/54)	0(0/95)
	20-90	0(0/216) #	0.97(4/414) #	0.63(4/630) #
Han, Uyгур and Kazak	20-44	12.26(51/416)	5.69(44/773)	7.99(95/1189)
	45-59	11.37(29/255)	3.72(16/430)	6.57(45/685)
	60-90	9.33(14/150)	4.38(6/137)	6.97(20/287)
	20-90	11.45(94/821) *	4.93(66/1340) *	7.40(160/2161)

* $P<0.01$, intra-group comparison; # $P<0.01$, Comparison among various ethnic groups. The difference was statistically significant.

The detection rate of high LDL-C in Han, Uygur and Kazak population was respectively 5.30%, 3.49% and 5.71%, and the difference was not significant. The results were shown in the Table S6.

Table S6 The detection rate of high LDL-C in Han,Uygur and Kazak participants

Ethnics	Age	Male(n,%)	Female(n,%)	Total(n,%)
Han	20-44	6.17(16/259)	1.26(6/476)	2.99(22/735)
	45-59	13.21(21/159)	6.10(18/295)	8.59(39/454)
	60-90	3.19(3/94)	10.53(8/76)	6.47(11/170)
	20-90	7.81(40/512) *	3.78(32/847) *	5.30(72/1359)
Uygur	20-44	3.92(2/51)	3.92(2/51)	3.92(4/102)
	45-59	3.70(1/27)	0(0/21)	2.08(1/48)
	60-90	0(0/15)	1.43(1/7)	4.55(1/22)
	20-90	3.23(3/93)	3.80(3/79)	3.49(6/172)
Kazak	20-44	1.89(2/106)	2.03(5/246)	1.99(7/352)
	45-59	13.04(9/69)	8.77(10/114)	10.38(19/183)
	60-90	9.76(4/41)	11.11(6/54)	10.53(10/95)
	20-90	6.94(15/216)	5.07(21/414)	5.71(36/630)
Han, Uygur and Kazak	20-44	4.81(20/416)	1.68(13/773)	2.76(33/1189)
	45-59	12.16(31/255)	6.51(28/430)	8.61(59/685)
	60-90	4.67(7/150)	10.95(15/137)	7.67(22/287)
	20-90	7.06(58/821) *	4.18(56/1340) *	5.28(114/2161)

* $P < 0.01$, intra-group comparison; # $P < 0.01$, Comparison among various ethnic groups. The difference was statistically significant.

In the Han ethnic group, the microarray analysis results indicated that compared with the normal group, the obesity group had 3 genes (i.e., *ITGB1*, *ITGA7*, *CCND1*) that were significantly up expressed, and 3 genes (i.e., *MYC*, *CXCR34*, *ALDH1A23*) that were significantly down expressed. Within the Uygur ethnic group, the obesity group had 10 genes (i.e., *KLF4*, *KLF15*, *PIK3CD*, *MYD88*, *RAC2*, *JAK3*, *CCR1*, *CXCR2*, *PPKCB*, *VCAM1*) that were significantly down expressed. Within the Kazak ethnic group, the obesity group had 2 genes (i.e., *PLA2G2D*, *UGT2A1*) that were significantly under expressed. The results were shown in the Figure S1 and Table S1.

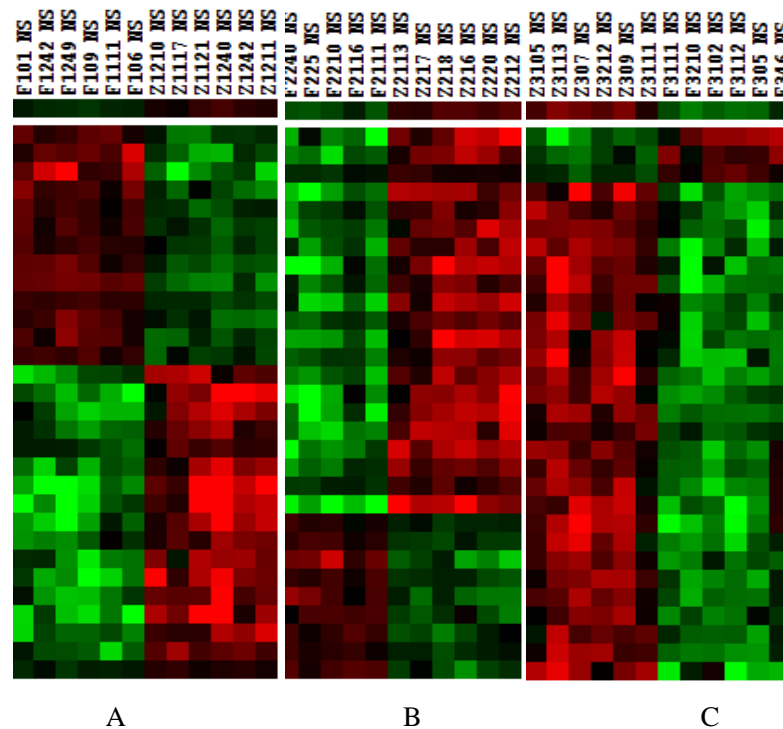


Figure S1 Differential expression gene in different ethnic group.

A. Han ethnic group; B. Uygur ethnic group; C. Kazak ethnic group

Table S7 Differentially expressed genes among the Han, Uygur and Kazaks ethnic group

	Han		Uygur		Kazak	
	Up	Down	Up	Down	Up	Down
Obesity VS Normal	<i>ITGB1</i> (9), <i>ITGA7</i> (8), <i>CCND1</i> (4)	<i>MYC</i> (5), <i>CXCR3</i> (4), <i>ALDH1A2</i> (3)	/	<i>KLF4</i> (10), <i>KLF15</i> (9), <i>PIK3CD</i> (10), <i>MYD88</i> (8), <i>RAC2</i> (7), <i>JAK3</i> (7), <i>CCR1</i> (7), <i>CXCR2</i> (7), <i>PPKCB</i> (7), <i>VCAM1</i> (6)	/	<i>PLA2G2D</i> (4), <i>UGT2A1</i> (3)

The brackets indicate the fold change (in multiples) of the differently expressed genes.

The weight, BMI, WC, HC, WHR, Fasting blood-glucose, Fasting Insulin, TG and TC in the Uygur population were significantly higher than those in the Han and Kazak groups ($P<0.01$). The HDL in the Uygur population was significantly lower than that in the Han and Kazak ($P<0.01$). The LDL in the Uygur population was significantly lower than Han, while higher than Kazak ($P<0.01$). The results were shown in the Table S7.

Table S8 The comparison of the main indexes among the ethnic groups

Indexes	Ethnics	n	Mean	SD	95% CI		F	P
					Lower	Upper		
Height (cm)	Han	600	162.58	7.49	161.98	163.18	4.011	0.018
	Uygur	172	160.49	8.28	159.24	161.74		
	Kazak	630	161.70	10.32	160.89	162.51		
Weight (kg)	Han	600	64.06	11.00	63.18	64.94	102.318	0.000
	Uygur	172	79.39	9.73	77.92	80.85		
	Kazak	630	68.24	14.23	67.13	69.35		
BMI (Kg/M ²)	Han	600	24.14	3.13	23.89	24.39	198.255	0.000
	Uygur	172	30.77	2.59	30.38	31.16		
	Kazak	630	25.95	4.70	25.58	26.32		
WC (cm)	Han	600	81.65	9.92	80.85	82.44	166.415	0.000
	Uygur	172	99.43	8.35	98.18	100.69		
	Kazak	630	84.67	13.12	83.64	85.69		
HC (cm)	Han	600	94.99	6.51	94.46	95.51	166.793	0.000
	Uygur	172	107.59	7.07	106.53	108.66		
	Kazak	630	98.91	9.52	98.17	99.66		
WHR	Han	600	0.86	0.09	0.85	0.87	50.204	0.000
	Uygur	171	0.92	0.06	0.92	0.93		
	Kazakh	630	0.85	0.08	0.85	0.86		
SBP (mmHg)	Han	600	120.26	15.56	119.01	121.50	22.550	0.000
	Uygur	165	120.58	20.64	117.41	123.75		
	Kazak	630	127.50	23.02	125.69	129.30		

DBP	Han	600	74.81	10.78	73.94	75.67	91.297	0.000
(mmHg)	Uygur	165	78.81	13.17	76.78	80.83		
	Kazak	630	84.77	14.70	83.62	85.92		
Fasting	Han	600	5.79	1.36	5.68	5.90	121.381	0.000
blood-glucose	Uygur	172	6.05	1.09	5.89	6.21		
(mmol/L)	Kazak	630	4.84	1.11	4.75	4.92		
2 hour	Han	600	7.74	3.84	7.43	8.05	62.599	0.000
blood-glucose	Uygur	172	6.58	2.33	6.23	6.93		
(mmol/L)	Kazak	630	5.81	2.23	5.63	5.98		
Fasting Insulin	Han	599	10.52	10.36	9.69	11.36	16.890	0.000
(mmol/L)	Uygur	164	13.41	23.54	9.78	17.04		
	Kazak	630	7.81	8.67	7.14	8.49		
2 hour	Han	600	52.17	50.60	48.12	56.23	107.390	0.000
Insulin	Uygur	171	33.31	39.15	27.40	39.22		
(mmol/L)	Kazak	630	19.64	22.84	17.85	21.42		
TC	Han	600	5.00	0.96	4.92	5.08	5.429	0.004
(mmol/L)	Uygur	172	5.26	1.06	5.10	5.42		
	Kazak	630	4.98	1.04	4.90	5.06		
TG	Han	600	1.64	1.99	1.48	1.80	107.952	0.000
(mmol/L)	Uygur	172	2.47	1.30	2.28	2.67		
	Kazak	630	0.83	0.57	0.78	0.87		
HDL	Han	600	1.39	0.30	1.37	1.42	292.661	0.000
(mmol/L)	Uygur	172	1.18	0.34	1.13	1.23		
	Kazak	630	1.67	0.21	1.65	1.69		
LDL	Han	600	3.22	0.75	3.16	3.28	30.178	0.000
(mmol/L)	Uygur	172	3.01	0.51	2.93	3.08		
	Kazak	630	2.90	0.74	2.84	2.96		

WC: waist circumference ;HC: hip circumference; WHR: waist-to-hip ratio ;BMI : Body mass index;
 SBP: Systolic blood pressure; DBP: Diastolic blood pressure; HDL: High density lipoproteins; TG:
 Triglycerides; TC: Cholesterol; LDL: Low density lipoproteins. Han (n=600); Uygur (n=172); Kazak

(n=630). Comparison between groups was used One-way analysis of variance (ANOVA). Values are given as the mean \pm SD. $P < 0.01$, the difference was statistically significant.

The levels of serum lipid (TC, TG, HDL, and LDL) were significantly correlated with height, weight, BMI, WC, HC, WHR, SBP, DBP, fasting plasma glucose, 2-hour plasma glucose, fasting insulin, and 2-hour insulin in Han and Kazak populations; while, interestingly, the correlations of serum lipid levels and other indices only reflected two relationships in the Uygur population: TC was positively correlated with height, and LDL was positively correlated with 2-hour plasma glucose. These results suggested that the high lipid levels might be mainly related to genetic factors in the Uygur population. The results were shown in the Table S8.

Table S9 The Correlation of the main indexes

Ethnics	Indexes	Correlation	Height	Weight	BMI	WC	HC	WHR	SBP	DBP	Fasting blood glucose	2 hour plasma glucose	Fasting Insulin	2 hour Insulin	TC	TG	HDL	LDL
Han	Height	r	1.000	0.646	0.172	0.350	0.221	0.298	0.111	0.205	0.096	0.095	0.025	0.023	0.018	0.147	-0.193	0.112
		p		0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.019	0.020	0.539	0.566	0.665	0.000	0.000
	Weight	r		1.000	0.845	0.756	0.618	0.551	0.354	0.403	0.231	0.255	0.245	0.245	0.135	0.395	-0.346	0.350
		p			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
	BMI	r			1.000	0.742	0.669	0.502	0.391	0.389	0.231	0.264	0.321	0.308	0.173	0.421	-0.313	0.392
		p				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WC(cm)	r				1.000	0.582	0.851	0.436	0.411	0.350	0.372	0.283	0.240	0.201	0.450	-0.325	0.400
		p					0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	HC(cm)	r					1.000	0.115	0.254	0.270	0.199	0.126	0.282	0.142	0.066	0.233	-0.163	0.200
		p						0.005	0.000	0.000	0.000	0.000	0.002	0.000	0.001	0.109	0.000	0.000
	WHR	r						1.000	0.384	0.349	0.309	0.390	0.172	0.213	0.209	0.412	-0.294	0.367
		p							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SBP	r							1.000	0.635	0.249	0.394	0.182	0.197	0.223	0.333	-0.136	0.319
		p								0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
	DBP	r								1.000	0.247	0.315	0.183	0.232	0.197	0.335	-0.150	0.293
		p									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Fasting plasma glucose	r									1.000	0.559	0.293	0.137	0.177	0.312	-0.157	0.302
		p										0.000	0.000	0.001	0.000	0.000	0.000	0.000
	2 hour plasma glucose	r										1.000	0.178	0.411	0.226	0.396	-0.196	0.363
		p											0.000	0.000	0.000	0.000	0.000	0.000
Fasting Insulin	r											1.000	0.360	0.174	0.296	-0.197	0.293	
	p												0.000	0.000	0.000	0.000	0.000	
2 hour	r												1.000	0.143	0.334	-0.204	0.285	
	p													0.000	0.000	0.000	0.000	

	Insulin	p													0.000	0.000	0.000	0.000
	TC	r													1.000	0.430	0.229	0.739
		p														0.000	0.000	0.000
	TG	r														1.000	-0.319	0.771
		p															0.000	0.000
	HDL	r															1.000	-0.220
		p																0.000
Uygur	Height	r	1.000	0.739	-0.123	0.304	0.159	0.252	0.107	0.063	0.101	-0.013	0.156	0.025	-0.177	0.030	-0.042	-0.052
		p		0.000	0.108	0.000	0.037	0.001	0.171	0.421	0.188	0.865	0.047	0.749	0.020	0.698	0.589	0.501
	Weight	r		1.000	0.495	0.575	0.428	0.317	0.209	0.184	0.168	0.061	0.239	0.009	-0.094	0.057	0.002	-0.044
		p			0.000	0.000	0.000	0.000	0.007	0.018	0.028	0.424	0.002	0.911	0.220	0.461	0.978	0.567
	BMI	r			1.000	0.437	0.422	0.147	0.186	0.197	0.098	0.118	0.234	-0.031	0.053	0.131	0.003	0.051
		p				0.000	0.000	0.055	0.017	0.011	0.199	0.123	0.003	0.686	0.494	0.086	0.965	0.508
	WC	r				1.000	0.665	0.591	0.126	0.172	0.165	0.074	0.237	0.039	0.128	0.117	0.065	-0.008
		p					0.000	0.000	0.108	0.027	0.031	0.336	0.002	0.612	0.095	0.127	0.400	0.917
	HC	r					1.000	-0.137	0.010	0.090	0.117	0.166	0.198	0.073	0.040	0.065	0.067	0.071
		p						0.075	0.898	0.253	0.125	0.030	0.011	0.346	0.606	0.394	0.382	0.354
	WHR	r						1.000	0.170	0.131	0.137	-0.093	0.129	-0.029	0.121	0.150	-0.008	-0.050
		p							0.029	0.093	0.075	0.227	0.101	0.704	0.114	0.050	0.915	0.519
	SBP	r							1.000	0.864	0.115	0.140	0.116	0.107	0.153	0.101	0.142	0.021
		p								0.000	0.142	0.072	0.144	0.172	0.050	0.195	0.070	0.791
	DBP	r								1.000	0.083	0.160	0.049	0.106	0.165	0.069	0.141	-0.040
		p									0.289	0.040	0.541	0.175	0.034	0.376	0.070	0.613
	Fasting plasma glucose	r									1.000	0.399	0.310	0.199	0.026	0.104	0.083	0.077
		p										0.000	0.000	0.009	0.732	0.177	0.282	0.315
	2 hour plasma glucose	r										1.000	0.182	0.564	0.087	0.138	0.132	0.196
		p											0.020	0.000	0.256	0.071	0.083	0.010
	Fasting Insulin	r											1.000	0.267	0.029	0.113	0.096	0.098
		p												0.001	0.714	0.149	0.224	0.211
	2 hour Insulin	r												1.000	-0.009	0.103	0.065	0.148
		p													0.905	0.182	0.396	0.054
	TC	r													1.000	0.230	0.243	0.221
		p														0.002	0.001	0.004
	TG	r														1.000	0.030	0.270

																		0.699	0.000
	HDL	r																1.000	0.040
		p																.	0.605
Kazak	Height	r	1.000	0.440	-0.024	0.101	0.081	0.098	-0.026	-0.051	0.018	-0.085	0.064	-0.126	-0.021	0.091	0.023	-0.053	
		p	.	0.000	0.551	0.011	0.042	0.014	0.513	0.202	0.648	0.032	0.108	0.002	0.599	0.022	0.568	0.182	
	Weight	r		1.000	0.869	0.767	0.792	0.492	0.283	0.305	0.083	0.185	0.232	0.146	0.214	0.431	0.220	0.136	
		p		.	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.001	
	BMI	r			1.000	0.811	0.840	0.516	0.338	0.378	0.085	0.242	0.230	0.227	0.270	0.437	0.242	0.194	
		p			.	0.000	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WC	r				1.000	0.829	0.823	0.387	0.402	0.080	0.267	0.148	0.222	0.316	0.462	0.334	0.244	
		p				.	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	HC	r					1.000	0.394	0.275	0.324	0.109	0.240	0.176	0.194	0.252	0.385	0.245	0.205	
		p					.	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WHR	r						1.000	0.371	0.347	0.020	0.202	0.063	0.157	0.279	0.391	0.304	0.199	
		p						.	0.000	0.000	0.616	0.000	0.116	0.000	0.000	0.000	0.000	0.000	0.000
	SBP	r							1.000	0.773	-0.002	0.237	0.052	0.151	0.325	0.307	0.325	0.255	
		p							.	0.000	0.965	0.000	0.191	0.000	0.000	0.000	0.000	0.000	0.000
	DBP	r								1.000	0.061	0.192	0.126	0.204	0.311	0.308	0.303	0.255	
		p								.	0.126	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
	Fasting plasma glucose	r									1.000	0.363	0.121	0.186	0.131	0.149	0.023	0.119	
		p									.	0.000	0.002	0.000	0.001	0.000	0.568	0.003	
	2 hour plasma glucose	r										1.000	0.113	0.375	0.197	0.212	0.119	0.159	
		p										.	0.004	0.000	0.000	0.000	0.003	0.000	
	Fasting Insulin	r											1.000	0.361	0.109	0.211	0.015	0.063	
		p											.	0.000	0.006	0.000	0.710	0.115	
	2 hour Insulin	r												1.000	0.161	0.216	0.069	0.148	
		p												.	0.000	0.000	0.086	0.000	
	TC	r													1.000	0.411	0.639	0.893	
		p													.	0.000	0.000	0.000	
	TG	r														1.000	0.327	0.252	
		p														.	0.000	0.000	
	HDL	r															1.000	0.584	
		p																	0.000

Spearman analysis, $P < 0.01$, $P < 0.05$. The difference between the two groups has statistical significance.