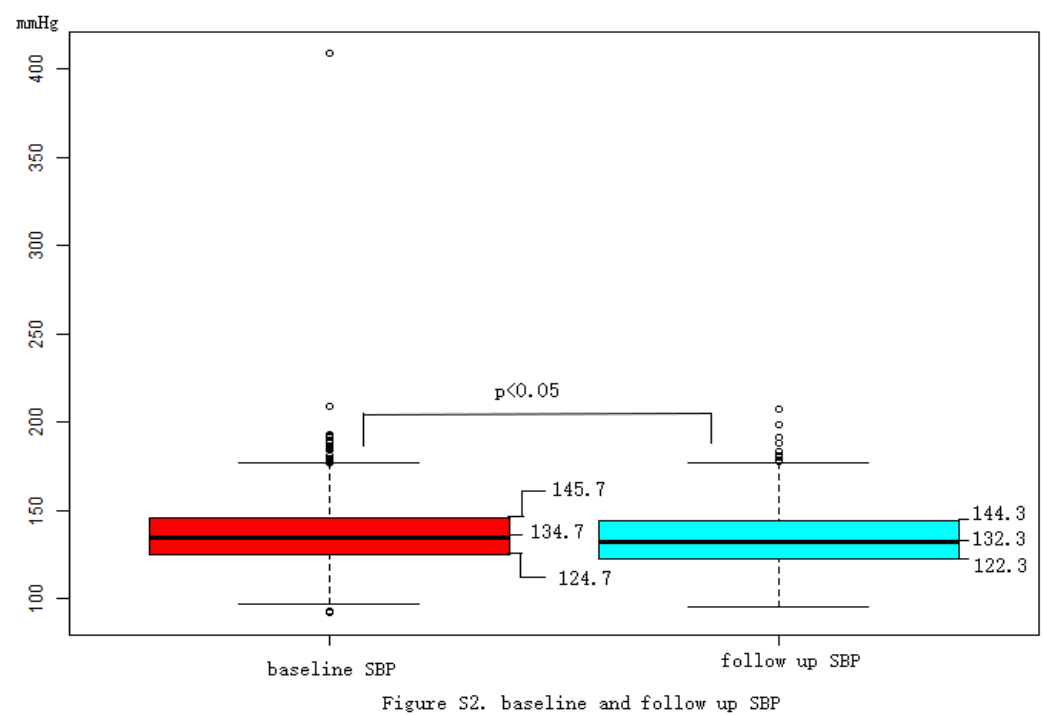
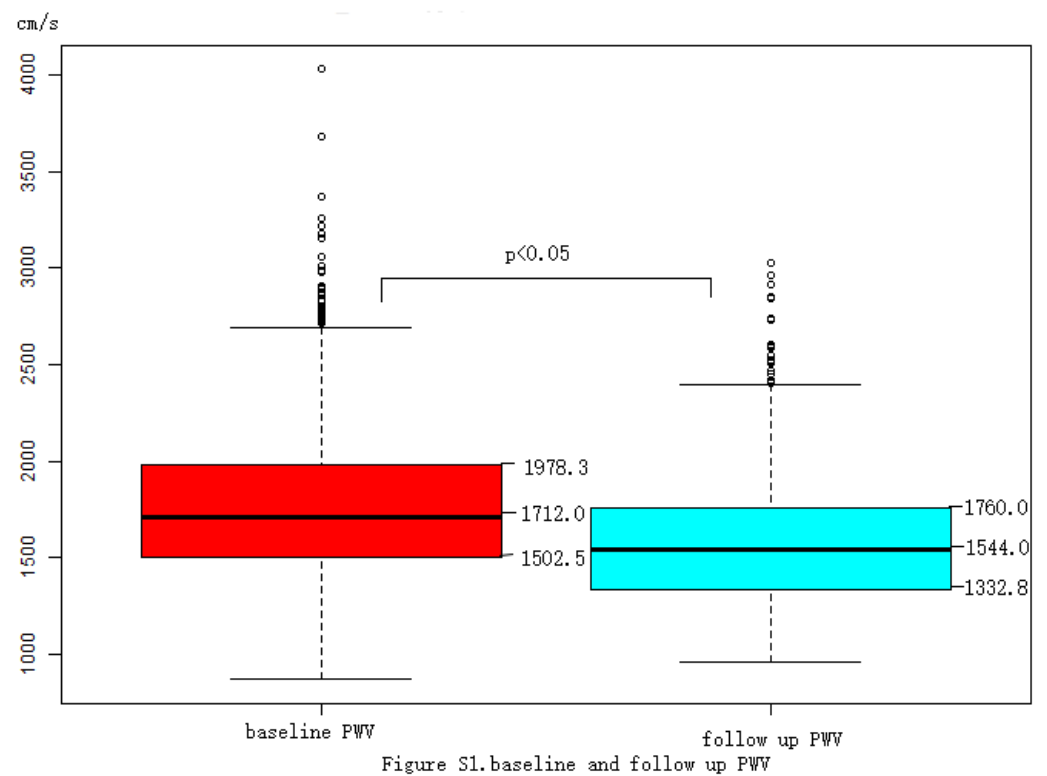


Supplemental materials

Figure S1-S14



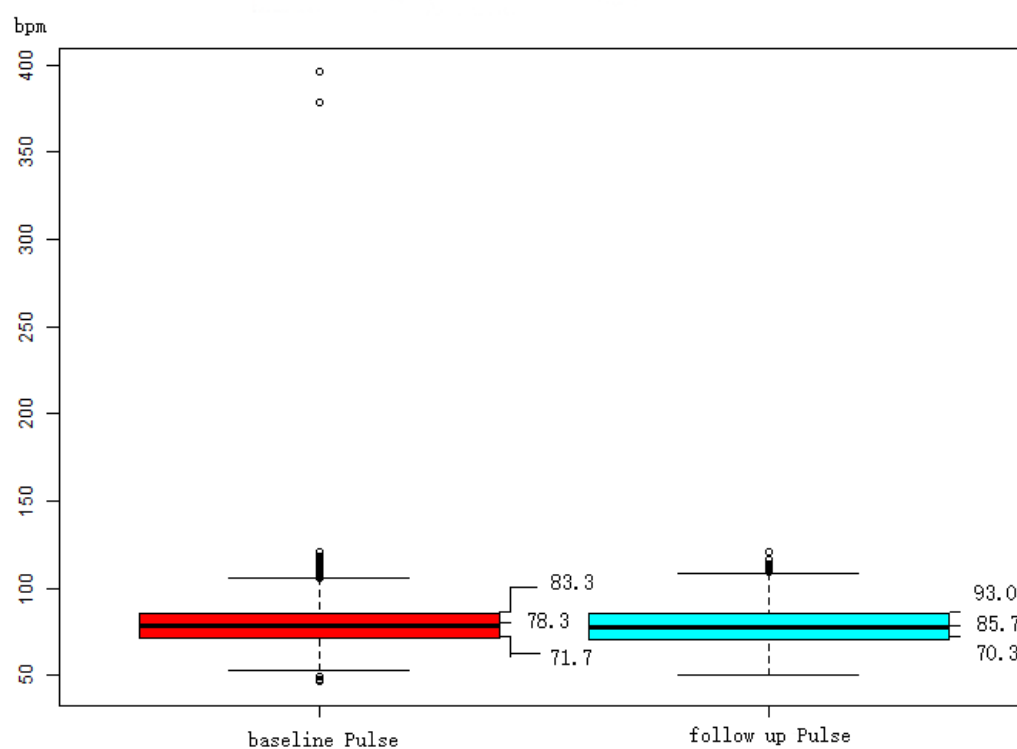


Figure S3. baseline and follow up pulse

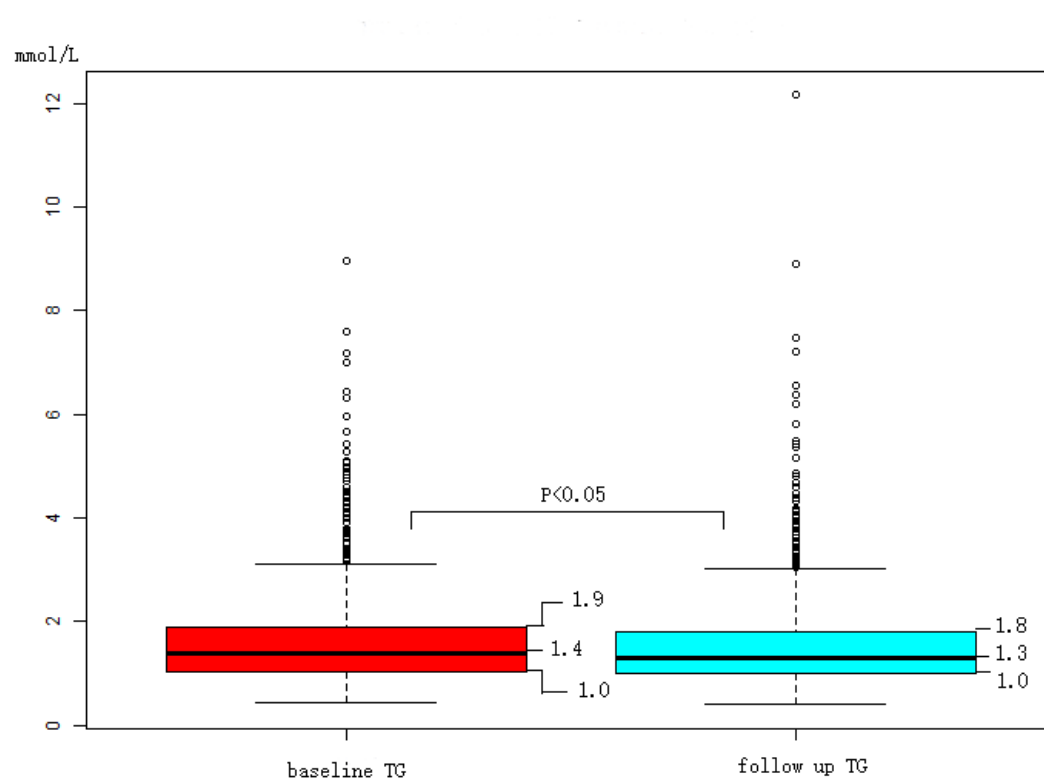


Figure S4. baseline and follow up TG

mL/min/1.73 m<sup>2</sup>

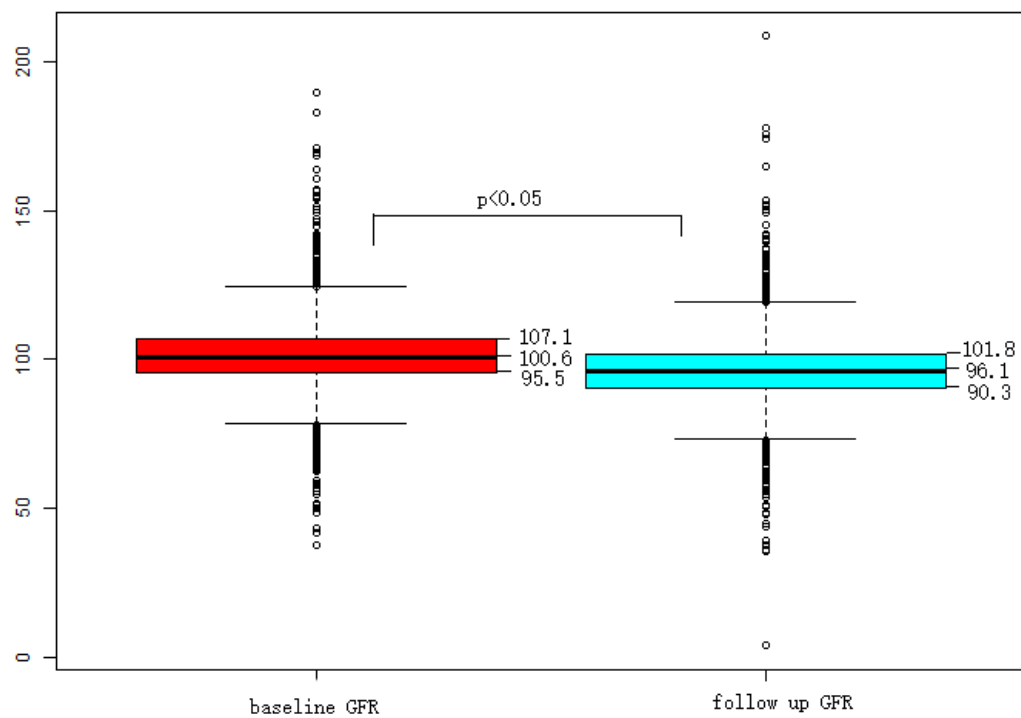


Figure S5.baseline and follow up GFR

mmol/L

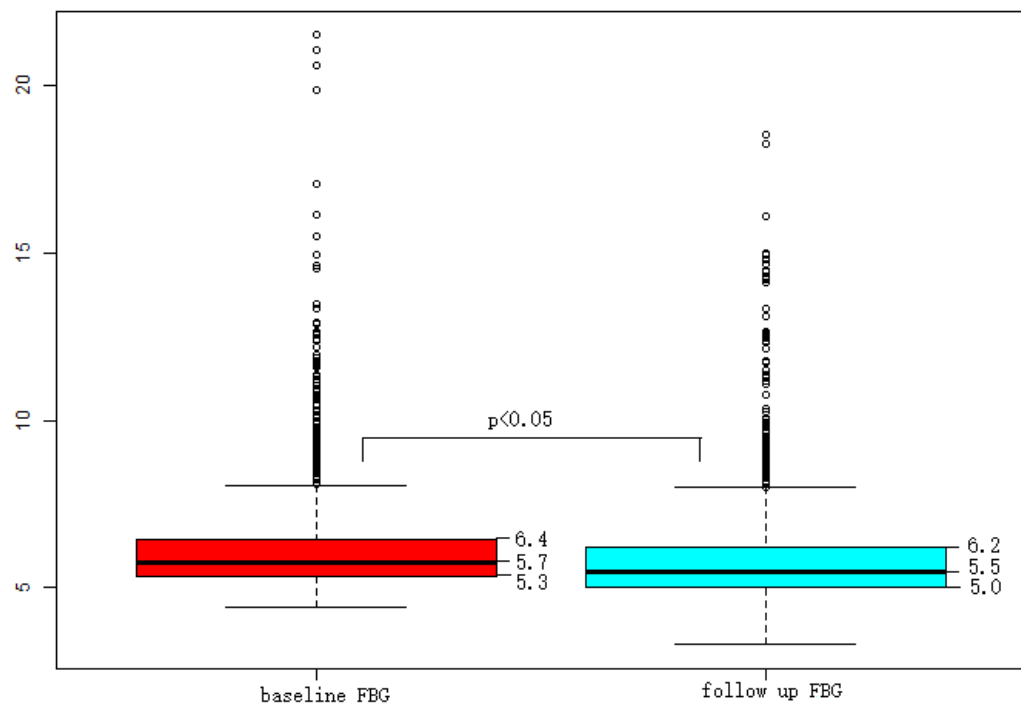


Figure S6.baseline and follow up FBG

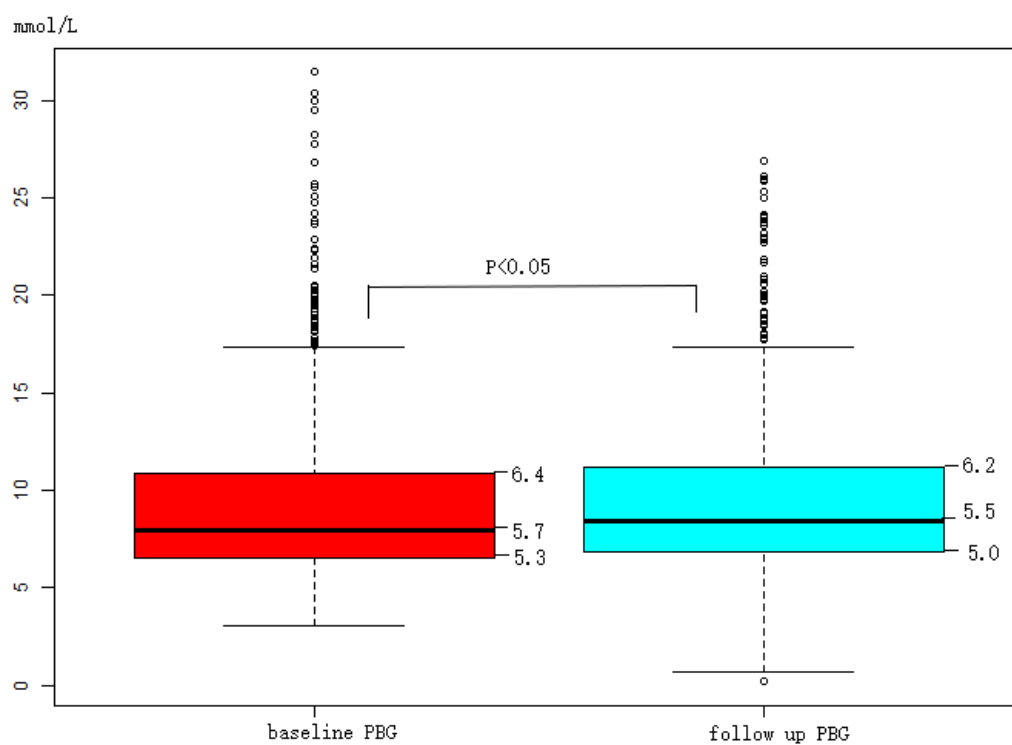


Figure S7.baseline and follow up PBG

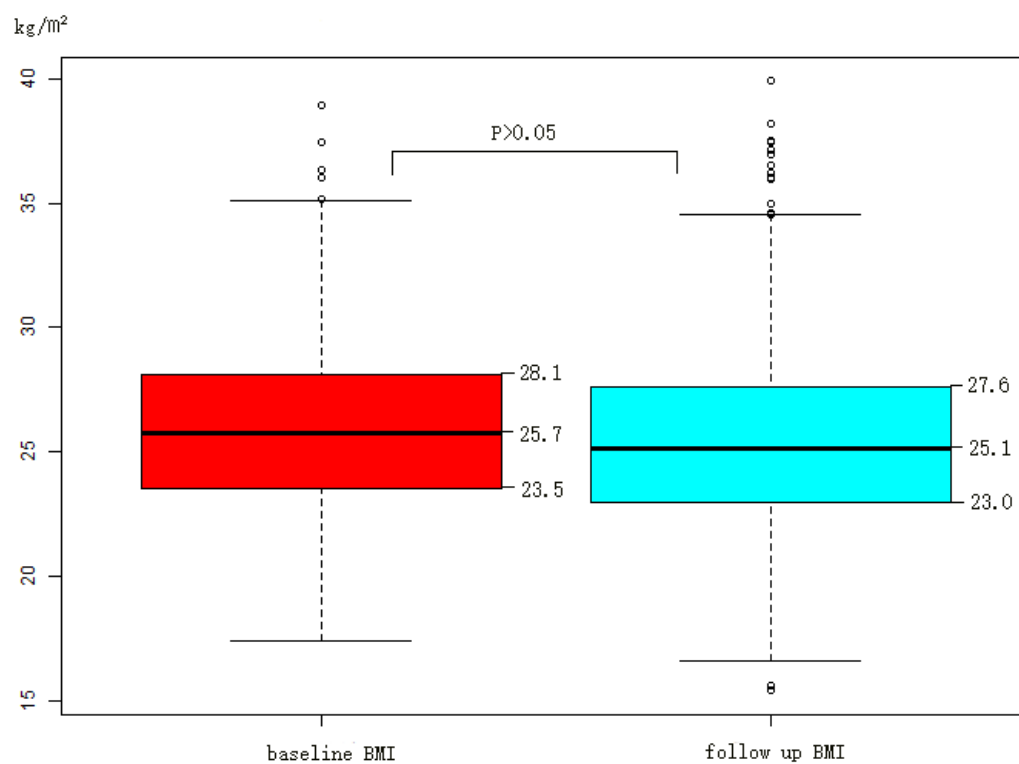


Figure S8.baseline and follow up BMI

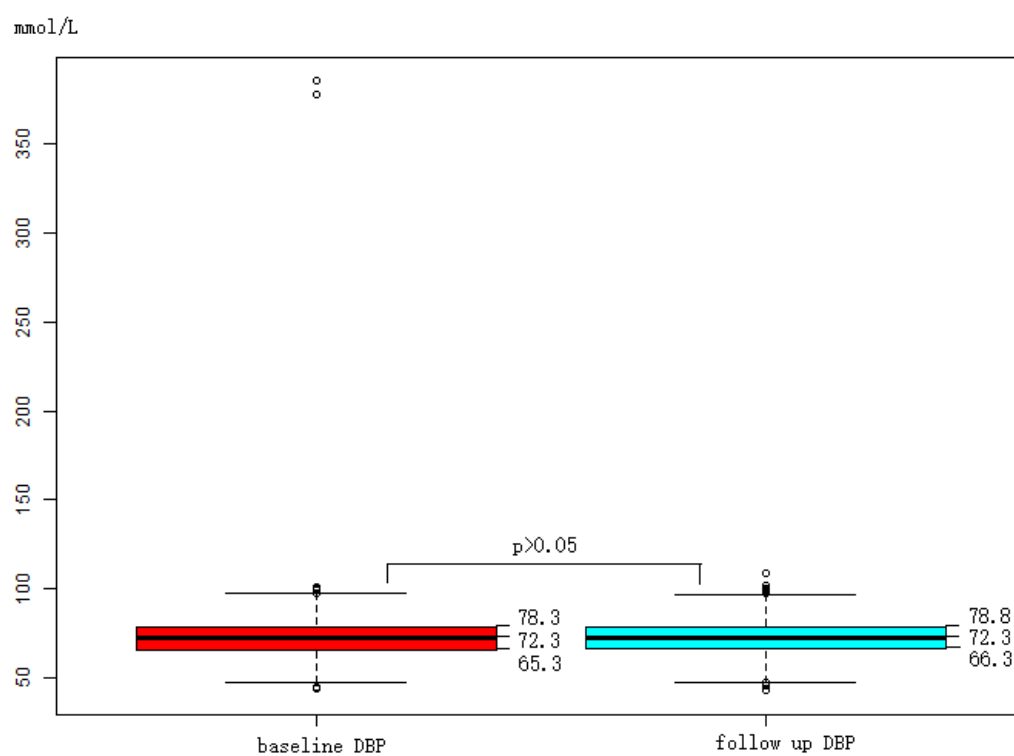


Figure S9. baseline and follow up DBP

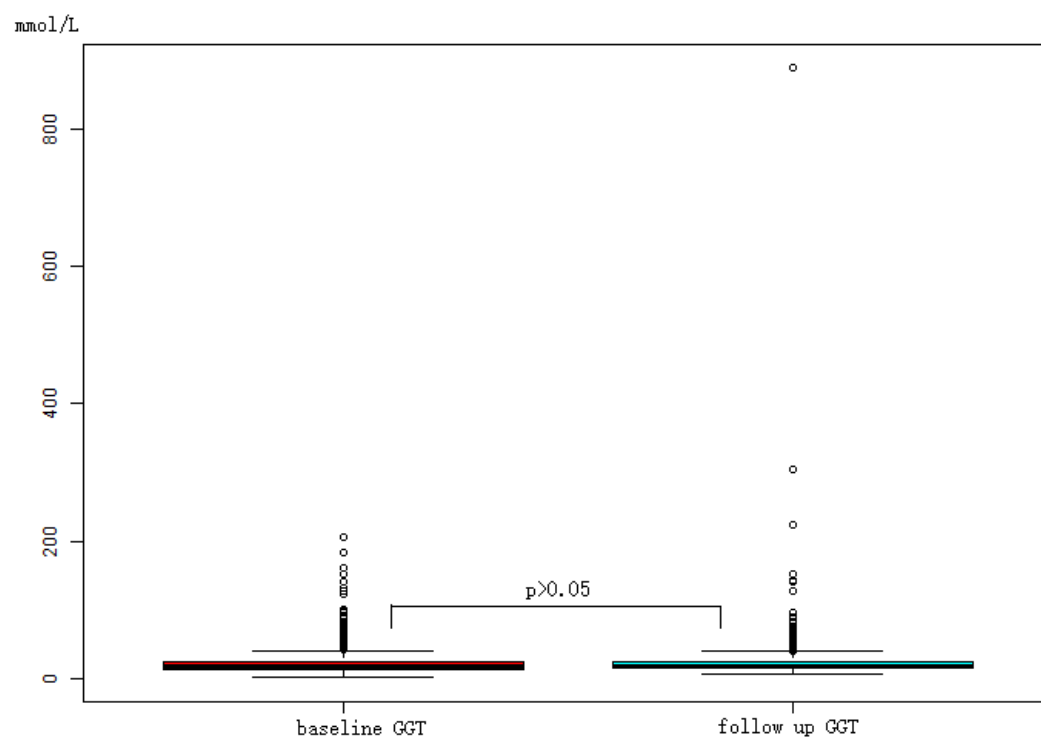
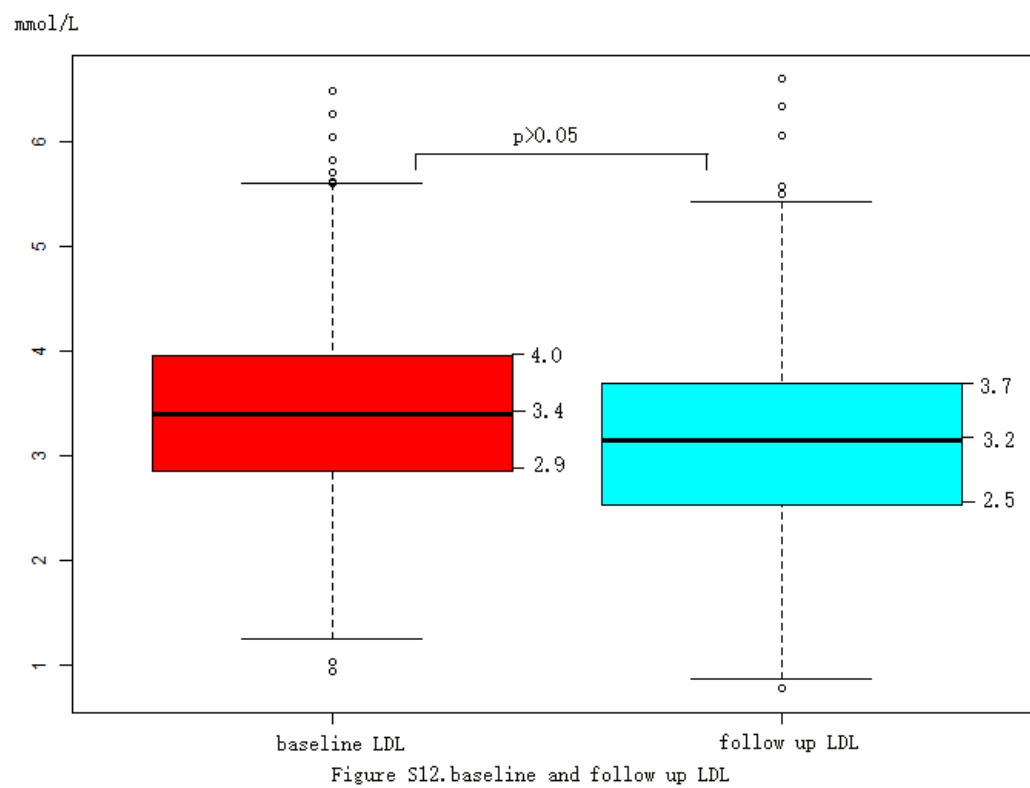
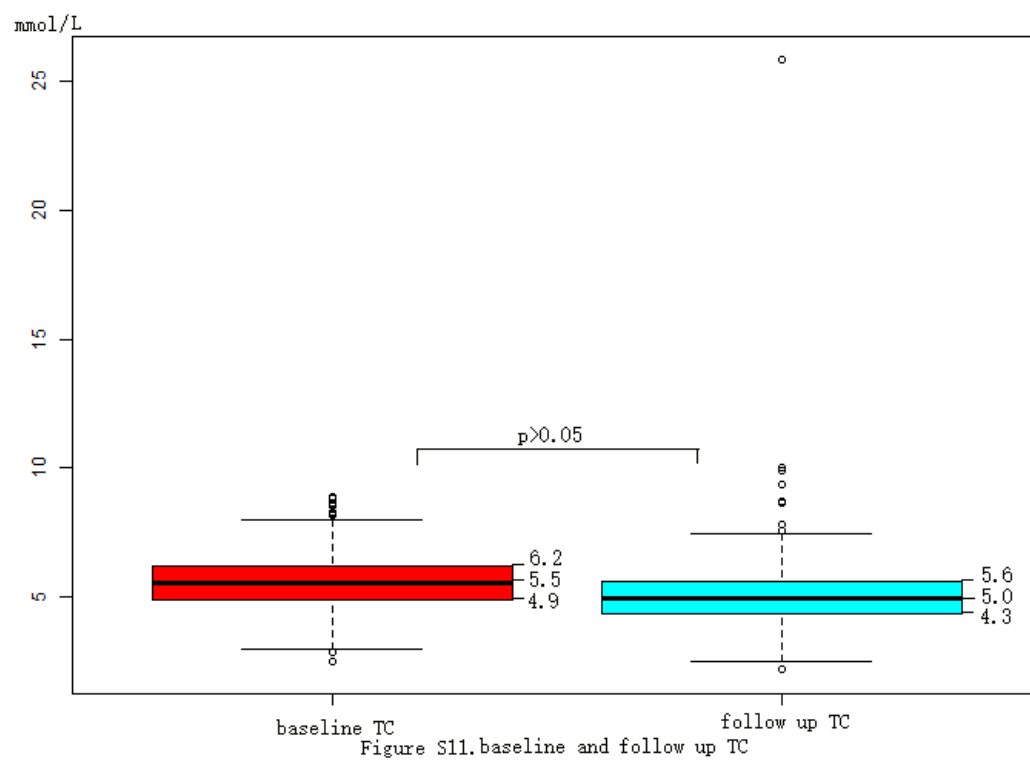


Figure S10. baseline and follow up GGT



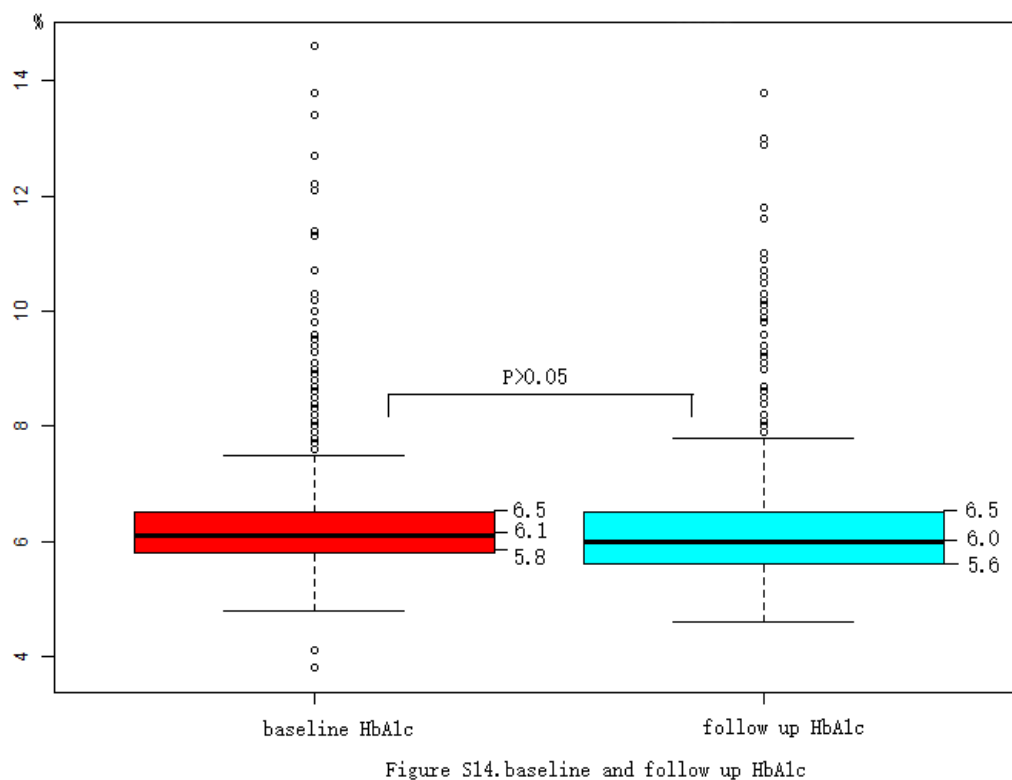
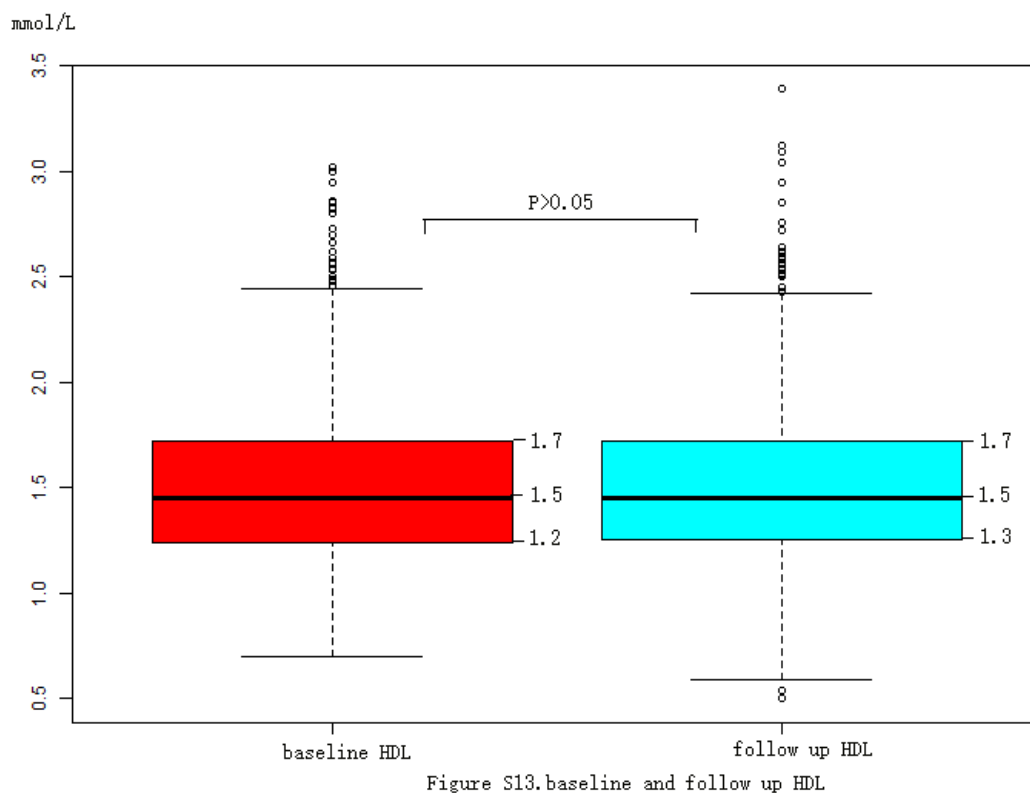


Table S1 Logistic and liner regression analysis in hypertension history subgroups

Exposure	N	%	Non-adjusted	Adjust I	Adjust II
			OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value
Hypertension Yes					
PWV (cm/s) Category					
The number of childbirths					
1	265	18.9	1.0	1.0	1.0
2	243	24.7	1.4 (0.9, 2.2) 0.112	1.8 (1.0, 3.5) 0.060	1.9 (1.0, 3.7) 0.052
≥3	172	25.6	1.5 (0.9, 2.3) 0.096	1.9 (0.7, 4.8) 0.197	1.7 (0.6, 4.4) 0.305
P for trend			0.066	0.229	0.309
Continuous PWV (cm/s)					
The number of childbirths					
1	265	18.9	0	0	0
2	243	24.7	-9.6 (-71.3, 52.0) 0.759	71.2 (-15.2, 157.6) 0.107	77.0 (-11.3, 165.4) 0.088
≥3	172	25.6	-23.2 (-91.2, 44.7) 0.503	102.8 (-26.0, 231.5) 0.118	96.2 (-36.6, 229.1) 0.156
P for trend			0.505	0.109	0.135
Hypertension No					
PWV (cm/s) Category					
The number of childbirths					
1	262	29.4	1.0	1.0	1.0
2	140	29.3	1.0 (0.6, 1.6) 0.983	1.1 (0.6, 2.2) 0.698	1.1 (0.6, 2.1) 0.800
≥3	77	26.0	0.8 (0.5, 1.5) 0.560	1.3 (0.4, 3.9) 0.613	1.3 (0.4, 3.8) 0.690



P for trend		0.492	0.612	0.729
Continuous PWV (cm/s)				
The number of childbirths				
1	262	29.4	0	0
2	140	29.3	7.0 (-47.3, 61.3) 0.801	36.1 (-37.6, 109.7) 0.337
≥3	77	26.0	-47.6 (-114.8, 19.6)	47.5 (-73.4, 168.4) 0.441
		0.165		46.8 (-76.3, 169.8) 0.457
P for trend		0.277	0.364	0.380
Total				
PWV (cm/s) Category				
The number of childbirths				
1	527	24.1	1.0	1.0
2	383	26.4	1.2 (0.9, 1.6) 0.282	1.4 (0.9, 2.2) 0.107
≥3	249	25.7	1.2 (0.8, 1.7) 0.395	1.6 (0.8, 3.1) 0.189
P for trend		0.346	0.179	0.177
Continuous PWV (cm/s)				
The number of childbirths				
1	527	24.1	0	0
2	383	26.4	-3.5 (-45.9, 38.9) 0.872	52.5 (-5.3, 110.3) 0.076
≥3	249	25.7	-30.7 (-79.4, 18.1) 0.218	81.7 (-7.0, 170.5) 0.071
P for trend		0.256	0.058	0.056

Non-adjusted model adjusted for nothing

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c ; CHD history; hyperlipidemia history; age at first

gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S2. Liner regression analysis between follow up PWV and the number of childbirths in hypertension history subgroups**

Exposure	N	%	Non-adjusted	Adjust I	Adjust II
			OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value
<b>Hypertension Yes</b>					
The number of childbirths					
1	265	18.9	0	0	0
2	243	24.7	127.7 (73.6, 181.9) <0.001	55.3 (-12.0, 122.7) 0.108	54.1 (-14.4, 122.6) 0.122
≥3	172	25.6	205.8 (146.1, 265.5) <0.001	74.4 (-26.0, 174.7) 0.147	66.0 (-37.0, 169.0) 0.210
P for trend			<0.001	0.134	0.185
<b>Hypertension No</b>					
The number of childbirths					
1	262	29.4	0	0	0
2	140	29.3	96.2 (37.7, 154.6) 0.001	37.7 (-27.9, 103.4) 0.261	35.2 (-32.2, 102.5) 0.307
≥3	77	26.0	212.9 (140.5, 285.2) <0.001	35.8 (-72.0, 143.7) 0.515	27.6 (-82.6, 137.9) 0.623
P for trend			<0.001	0.383	0.476
<b>Total</b>					
Continuous PWV (cm/s)					

The number of childbirths					
1	527	24.1	0	0	0
2	383	26.4	115.0 (75.2, 154.8) <0.001	47.2 (0.0, 94.5) 0.050	45.4 (-2.5, 93.4) 0.064
≥3	249	25.7	206.3 (160.5, 252.1) <0.001	59.8 (-12.7, 132.3) 0.106	56.3 (-17.6, 130.2) 0.136
P for trend			<0.001	0.078	0.100

Non-adjusted model adjusted for nothing

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c ; baseline PWV; CHD history; hyperlipidemia history;

age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S3. Logistic and liner regression analysis in diabetes history subgroups**

Exposure	N	%	Non-adjusted	Adjust I	Adjust II
			OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value
Diabetes Yes					
PWV (cm/s) Category					
The number of childbirths					
1	156	17.3	1.0	1.0	1.0
2	155	29.7	2.0 (1.2, 3.5) 0.011	3.5 (1.5, 7.9) 0.003	3.1 (1.3, 7.2) 0.009
≥3	123	26.8	1.8 (1.0, 3.1) 0.056	4.4 (1.3, 14.5) 0.015	4.1 (1.2, 14.3) 0.028
P for trend			0.050	0.032	0.017
Continuous PWV (cm/s)					
The number of childbirths					

1	156	17.3	0	0	0
2	155	29.7	58.2 (-23.3, 139.6) 0.162	130.3 (22.4, 238.1) 0.018	105.1 (-6.1, 216.3) 0.065
≥3	123	26.8	-19.6 (-106.1, 67.0) 0.658	140.5 (-21.0, 302.1) 0.089	118.1 (-48.5, 284.7) 0.166
P for trend			0.755	0.022	0.038
Diabetes No					
PWV (cm/s) Category					
The number of childbirths					
1	371	27.0	1.0	1.0	1.0
2	228	24.1	0.9 (0.6, 1.3) 0.443	1.0 (0.6, 1.7) 0.910	0.9 (0.5, 1.6) 0.781
≥3	126	24.6	0.9 (0.6, 1.4) 0.605	1.0 (0.4, 2.4) 0.925	0.8 (0.3, 2.1) 0.680
P for trend			0.442	0.997	0.669
Continuous PWV (cm/s)					
The number of childbirths					
1	371	27.0	0	0	0
2	228	24.1	-54.1 (-102.9, -5.4) 0.030	10.1 (-58.7, 78.9) 0.773	11.1 (-58.9, 81.2) 0.755
≥3	126	24.6	-48.0 (-107.7, 11.8) 0.116	59.1 (-49.4, 167.5) 0.286	45.2 (-65.8, 156.2) 0.425
P for trend			0.042	0.496	0.562
Total					
PWV (cm/s) Category					
The number of childbirths					
1	527	24.1	1.0	1.0	1.0
2	383	26.4	1.1 (0.8, 1.5) 0.404	1.4 (0.9, 2.2) 0.122	1.4 (0.9, 2.1) 0.182

<b>≥3</b>	249	25.7	1.1 (0.8, 1.6) 0.570	1.6 (0.8, 3.1) 0.198	1.5 (0.8, 3.0) 0.239
<b>P for trend</b>			0.529	0.168	0.116
<b>Continuous PWV (cm/s)</b>					
<b>The number of childbirths</b>					
<b>1</b>	527	24.1	0	0	0
<b>2</b>	383	26.4	-13.7 (-56.6, 29.2) 0.532	52.8 (-5.0, 110.6) 0.074	50.3 (-8.2, 108.8) 0.092
<b>≥3</b>	249	25.7	-43.0 (-92.5, 6.5) 0.089	87.2 (-1.5, 175.9) 0.054	77.7 (-12.7, 168.1) 0.092
<b>P for trend</b>			0.097	0.023	0.029

Non-adjusted model adjusted for nothing

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c ; CHD history; hyperlipidemia history; age at first

gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

Table S4. Liner regression analysis between follow up PWV and the number of childbirths in diabetes history subgroups

Exposure	N	%	Non-adjusted	Adjust I	Adjust II
			OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value
Diabetes Yes					
The number of childbirths					
1	156	17.3	0	0	0
2	155	29.7	115.4 (45.9, 184.8) 0.001	50.9 (-29.5, 131.4) 0.216	46.0 (-37.3, 129.3) 0.280
≥3	123	26.8	189.6 (115.7, 263.4) <0.001	40.5 (-79.6, 160.6) 0.509	36.2 (-88.5, 160.9) 0.569
P for trend			<0.001	0.440	0.501
Diabetes					
No					
The number of					
childbirths					
1	371	27.0	0	0	0
2	228	24.1	133.0 (82.9, 183.1) <0.001	36.7 (-22.6, 96.0) 0.225	33.0 (-27.4, 93.3) 0.285
≥3	126	24.6	247.5 (186.0, 308.9) <0.001	61.9 (-31.8, 155.7) 0.196	47.1 (-48.4, 142.6) 0.334
P for trend			<0.001	0.175	0.293
Total					
Continuous PWV (cm/s)					
The number of childbirths					
1	527	24.1	0	0	0

2	383	26.4	128.0 (87.4, 168.6) <0.001	47.3 (0.2, 94.4) 0.049	46.3 (-1.6, 94.2) 0.058
≥3	249	25.7	222.8 (175.9, 269.6) <0.001	62.0 (-10.5, 134.5) 0.094	58.5 (-15.4, 132.5) 0.121
P for trend			<0.001	0.069	0.088

Non-adjusted model adjusted for nothing

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c ; baseline PWV; CHD history; hyperlipidemia history;

age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S5. Liner regression analysis between follow up PWV and the number of childbirths in hypertension history subgroups in Model I**

Exposure	Hypertension Yes B (95%CI) P-value	Hypertension No B (95%CI) P-value	Total B (95%CI) P-value
Age	4.4 (-1.6, 10.3) 0.150	7.8 (0.5, 15.0) 0.037	5.4 (0.9, 9.9) 0.019
BMI	-6.8 (-13.4, -0.2) 0.045	-5.2 (-13.1, 2.8) 0.205	-5.5 (-10.5, -0.5) 0.031
SBP	0.2 (-1.3, 1.7) 0.815	0.4 (-2.3, 3.2) 0.771	0.2 (-1.1, 1.5) 0.741
DBP	0.0 (-1.3, 1.4) 0.985	0.7 (-2.7, 4.1) 0.671	0.0 (-1.2, 1.2) 0.951
TG	16.4 (-12.2, 45.0) 0.260	3.2 (-28.0, 34.5) 0.839	11.4 (-9.5, 32.3) 0.286
GGT	-0.9 (-2.1, 0.3) 0.128	0.3 (-1.2, 1.7) 0.723	-0.5 (-1.4, 0.4) 0.266
LDL_C	-13.2 (-38.4, 12.1) 0.306	-9.4 (-37.2, 18.4) 0.508	-9.0 (-27.7, 9.7) 0.344
HDL_C	-15.4 (-85.6, 54.9) 0.668	9.4 (-64.3, 83.1) 0.804	-10.0 (-60.5, 40.4) 0.697
FBG	-0.8 (-23.9, 22.4) 0.949	-10.9 (-34.5, 12.7) 0.366	-7.7 (-23.9, 8.4) 0.350
PBG	3.5 (-4.2, 11.3) 0.372	9.0 (-1.1, 19.0) 0.081	5.9 (-0.2, 11.9) 0.057
HbA1c	-5.1 (-45.1, 35.0) 0.805	13.3 (-27.7, 54.3) 0.526	0.1 (-27.9, 28.0) 0.996
Baseline PWV	0.4 (0.3, 0.4) <0.001	0.5 (0.4, 0.6) <0.001	0.4 (0.4, 0.5) <0.001
The number of childbirths			
1	0	0	0
2	55.3 (-12.0, 122.7) 0.108	37.7 (-27.9, 103.4) 0.261	47.2 (0.0, 94.5) 0.050
3	74.4 (-26.0, 174.7) 0.147	35.8 (-72.0, 143.7) 0.515	59.8 (-12.7, 132.3) 0.106
CHD history			
Yes	0	0	0
No	-32.0 (-88.5, 24.5) 0.268	-96.1 (-184.0, -8.1) 0.033	-46.7 (-92.7, -0.6) 0.047
hyperlipidemia history			
Yes	0	0	0

<b>No</b>	28.2 (-19.4, 75.9) 0.246	-22.2 (-75.1, 30.7) 0.411	3.8 (-31.2, 38.7) 0.833
<b>age at first gestation</b>	-0.3 (-6.2, 5.6) 0.924	2.1 (-5.0, 9.1) 0.565	-0.1 (-4.7, 4.4) 0.950
<b>age at menopause</b>	0.5 (-1.9, 2.9) 0.683	-0.6 (-2.9, 1.8) 0.628	0.0 (-1.7, 1.7) 0.991
<b>number of pregnancies</b>			
<b>0</b>	0	0	0
<b>1</b>	0	0	0
<b>2</b>	18.0 (-60.8, 96.7) 0.655	-23.6 (-93.5, 46.2) 0.507	0.3 (-52.6, 53.2) 0.991
<b>3</b>	-1.7 (-84.0, 80.5) 0.967	-33.6 (-108.5, 41.3) 0.380	-17.6 (-73.2, 38.0) 0.536
<b>4</b>	4.1 (-90.4, 98.6) 0.932	-87.3 (-177.8, 3.3) 0.060	-32.2 (-97.7, 33.2) 0.334
<b>5</b>	14.2 (-98.4, 126.9) 0.804	-1.7 (-146.6, 143.3) 0.982	9.0 (-76.5, 94.4) 0.837
<b>6</b>	2.8 (-188.6, 194.2) 0.977	102.6 (-147.7, 353.0) 0.422	11.6 (-136.1, 159.2) 0.878
<b>8</b>	-320.4 (-634.3, -6.5) 0.046	0	-333.4 (-626.8, -40.0) 0.026
<b>smoking status</b>			
<b>No</b>	0	0	0
<b>Occasional smokers</b>	-106.8 (-328.1, 114.5) 0.345	114.5 (-97.6, 326.5) 0.291	5.6 (-146.6, 157.9) 0.942
<b>Regular smokers</b>	-97.5 (-295.2, 100.2) 0.334	5.4 (-121.9, 132.8) 0.933	-23.2 (-132.3, 85.8) 0.677
<b>drinking status</b>			
<b>No</b>	0	0	0
<b>Occasional drinkers</b>	23.3 (-69.9, 116.5) 0.625	-70.3 (-145.8, 5.3) 0.069	-26.3 (-85.8, 33.1) 0.385
<b>Regular drinkers</b>	-5.9 (-169.0, 157.2) 0.943	114.9 (-41.1, 270.9) 0.150	33.0 (-79.1, 145.0) 0.564
<b>hypoglycemic drug</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-13.6 (-79.6, 52.4) 0.686	79.9 (-23.1, 182.9) 0.129	-1.9 (-56.0, 52.1) 0.944

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c; baseline PWV; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use



**Table S6. Liner regression analysis between follow up PWV and the number of childbirths in hypertension history subgroups in Model II**

Exposure	Hypertension Yes B (95%CI) <i>P</i> -value	Hypertension No B (95%CI) <i>P</i> -value	Total B (95%CI) <i>P</i> -value
Age	5.5 (-0.8, 11.9) 0.088	6.3 (-1.6, 14.2) 0.120	5.8 (0.9, 10.6) 0.020
BMI	-7.9 (-14.8, -1.0) 0.026	-6.3 (-14.5, 1.9) 0.133	-5.9 (-11.1, -0.8) 0.025
SBP	0.4 (-1.2, 1.9) 0.643	0.4 (-2.4, 3.2) 0.767	0.3 (-1.0, 1.6) 0.610
DBP	0.0 (-1.4, 1.4) 0.994	1.4 (-2.1, 4.9) 0.445	0.0 (-1.2, 1.2) 0.977
TG	-0.8 (-46.1, 44.4) 0.972	25.4 (-31.3, 82.0) 0.381	4.6 (-30.0, 39.2) 0.796
GGT	-1.0 (-2.2, 0.2) 0.103	0.3 (-1.1, 1.8) 0.652	-0.6 (-1.5, 0.3) 0.206
LDL_C	-104.1 (-243.0, 34.8) 0.142	80.1 (-99.2, 259.5) 0.382	-42.9 (-150.5, 64.6) 0.434
HDL_C	-85.6 (-224.3, 53.0) 0.227	82.7 (-91.1, 256.5) 0.352	-38.5 (-144.2, 67.2) 0.475
FBG	1.8 (-21.8, 25.3) 0.884	-8.8 (-32.9, 15.3) 0.474	-7.2 (-23.6, 9.1) 0.385
PBG	3.3 (-4.6, 11.2) 0.410	8.2 (-2.0, 18.5) 0.115	5.8 (-0.3, 12.0) 0.063
HbA1c	-8.2 (-49.0, 32.5) 0.692	14.2 (-28.5, 56.9) 0.515	-1.1 (-29.5, 27.3) 0.940
Baseline PWV	0.4 (0.3, 0.4) <0.001	0.5 (0.4, 0.6) <0.001	0.4 (0.4, 0.5) <0.001
<b>The number of childbirths</b>			
1	0	0	0
2	54.1 (-14.4, 122.6) 0.122	35.2 (-32.2, 102.5) 0.307	45.4 (-2.5, 93.4) 0.064
3	66.0 (-37.0, 169.0) 0.210	27.6 (-82.6, 137.9) 0.623	56.3 (-17.6, 130.2) 0.136
<b>CHD history</b>			
Yes	0	0	0
No	-38.6 (-96.3, 19.0) 0.190	-110.0 (-201.7, -18.4) 0.019	-48.5 (-95.0, -1.9) 0.042
<b>hyperlipidemia history</b>			
Yes	0	0	0
No	38.4 (-10.9, 87.6) 0.127	-22.4 (-76.7, 32.0) 0.420	4.3 (-31.6, 40.1) 0.815
age at first gestation	-0.6 (-6.6, 5.5) 0.853	1.4 (-5.9, 8.8) 0.700	-0.1 (-4.7, 4.5) 0.972
age at menopause	0.5 (-2.0, 2.9) 0.702	-0.5 (-2.9, 1.8) 0.649	-0.0 (-1.7, 1.6) 0.955
<b>number of pregnancies</b>			
0	0	0	0
1	0	0	0
2	19.5 (-60.9, 100.0) 0.634	-22.1 (-93.4, 49.1) 0.543	-0.2 (-53.9, 53.6) 0.995
3	1.2 (-82.6, 85.0) 0.977	-38.4 (-115.4, 38.7) 0.330	-18.9 (-75.3, 37.5) 0.511
4	11.7 (-84.9, 108.3) 0.813	-90.9 (-183.0, 1.1) 0.054	-32.3 (-98.6, 34.0) 0.340
5	14.4 (-101.2, 130.0) 0.808	-1.1 (-148.2, 146.0) 0.989	12.0 (-74.9, 98.9) 0.787
6	11.7 (-182.9, 206.2) 0.906	89.4 (-169.6, 348.4) 0.499	19.6 (-130.1, 169.3) 0.798
8	-311.3 (-628.0, 5.4) 0.054	0	-329.0 (-624.4, -33.6) 0.029
<b>smoking status</b>			
No	0	0	0
Occasional smokers	-107.1 (-332.3, 118.1) 0.352	86.0 (-130.0, 302.0) 0.436	8.7 (-144.8, 162.3) 0.911

<b>Regular smokers</b>	-90.9 (-290.3, 108.4) 0.372	9.5 (-124.9, 143.9) 0.890	-17.2 (-128.8, 94.4) 0.763
<b>drinking status</b>			
<b>No</b>	0	0	0
<b>Occasional drinkers</b>	5.1 (-90.1, 100.4) 0.916	-72.2 (-149.6, 5.1) 0.068	-31.5 (-92.0, 29.0) 0.307
<b>Regular drinkers</b>	-11.4 (-176.2, 153.4) 0.892	125.2 (-43.5, 293.9) 0.146	20.6 (-93.5, 134.7) 0.724
<b>antihypertensive drug use</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-8.7 (-75.8, 58.3) 0.799	91.3 (-16.5, 199.2) 0.098	2.2 (-52.7, 57.2) 0.937
<b>TC</b>	83.5 (-44.1, 211.1) 0.200	-83.3 (-249.2, 82.6) 0.326	31.9 (-67.3, 131.1) 0.529
<b>HDCP</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-19.4 (-93.9, 55.1) 0.610	-65.9 (-187.4, 55.5) 0.288	-31.7 (-93.1, 29.6) 0.311
<b>GDM</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-45.5 (-578.2, 487.1) 0.867	248.1 (-110.5, 606.7) 0.176	82.0 (-215.6, 379.6) 0.589
<b>occupation</b>			
<b>Worker</b>	0	0	0
<b>Famer</b>	129.5 (-404.0, 662.9) 0.635	0	120.2 (-342.8, 583.2) 0.611
<b>Cadre</b>	0	8.3 (-696.0, 712.7) 0.981	-0.6 (-619.9, 618.8) 0.999
<b>Office and technical, personnel, doctor, teacher</b>	239.0 (-227.9, 706.0) 0.316	-86.4 (-669.3, 496.6) 0.772	122.5 (-285.4, 530.5) 0.556
<b>Service worker</b>	0	0	0
<b>Housewife</b>	-52.2 (-458.1, 353.7) 0.801	22.5 (-546.4, 591.5) 0.938	-34.3 (-412.3, 343.6) 0.859
<b>Unemployed</b>	-33.5 (-413.5, 346.5) 0.863	-123.2 (-632.9, 386.4) 0.636	-36.5 (-395.2, 322.2) 0.842
<b>Other</b>	68.8 (-381.6, 519.2) 0.765	-93.1 (-673.2, 486.9) 0.753	22.1 (-379.7, 423.8) 0.914
<b>Education</b>			
<b>Illiterate</b>	0	0	0
<b>Primary school</b>	64.8 (-58.8, 188.4) 0.304	127.6 (-36.5, 291.7) 0.128	75.1 (-20.2, 170.4) 0.123
<b>Junior high school</b>	73.9 (-48.0, 195.8) 0.235	64.2 (-93.1, 221.6) 0.424	60.8 (-32.5, 154.1) 0.202
<b>Senior high school</b>	53.1 (-74.4, 180.5) 0.415	90.3 (-69.2, 249.9) 0.268	55.4 (-40.8, 151.6) 0.259
<b>College</b>	27.6 (-102.4, 157.6) 0.678	80.9 (-82.9, 244.7) 0.334	44.2 (-54.7, 143.2) 0.381
<b>Marriage status</b>			
<b>Married</b>	0	0	0
<b>Widowed</b>	0	0	0
<b>Separated</b>	-35.0 (-104.9, 34.9) 0.327	105.3 (14.9, 195.7) 0.023	10.6 (-43.3, 64.5) 0.700
<b>Divorced</b>	-327.2 (-871.4, 217.0) 0.239	0	-290.2 (-800.3, 219.9) 0.265

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S7. Logistical regression analysis between change in PWV as a category variable in hypertension subgroups in Model II**

Exposure	Hypertension yes OR (95%CI) <i>P</i> -value	Hypertension No OR (95%CI) <i>P</i> -value	Total OR (95%CI) <i>P</i> -value
Age	1.0 (0.9, 1.1) 0.996	1.0 (0.9, 1.1) 0.749	1.0 (1.0, 1.0) 0.799
BMI	1.0 (0.9, 1.0) 0.280	1.0 (0.9, 1.1) 0.814	1.0 (0.9, 1.0) 0.637
SBP	1.0 (1.0, 1.0) 0.042	1.0 (0.9, 1.0) 0.002	1.0 (1.0, 1.0) 0.003
DBP	1.0 (1.0, 1.0) 0.319	1.0 (1.0, 1.1) 0.115	1.0 (1.0, 1.0) 0.235
TG	0.9 (0.6, 1.4) 0.670	1.3 (0.7, 2.3) 0.371	1.1 (0.8, 1.5) 0.692
GGT	1.0 (1.0, 1.0) 0.154	1.0 (1.0, 1.0) 0.656	1.0 (1.0, 1.0) 0.258
LDL_C	0.3 (0.1, 1.1) 0.076	2.9 (0.5, 17.1) 0.248	0.8 (0.3, 2.1) 0.632
HDL_C	0.4 (0.1, 1.3) 0.110	3.0 (0.5, 17.0) 0.206	0.9 (0.3, 2.2) 0.747
FBG	1.0 (0.8, 1.3) 0.915	0.8 (0.6, 1.1) 0.221	0.9 (0.8, 1.1) 0.231
PBG	1.0 (0.9, 1.1) 0.514	1.1 (1.0, 1.2) 0.153	1.0 (0.9, 1.1) 0.824
HbA1c	0.9 (0.6, 1.3) 0.500	1.1 (0.7, 1.7) 0.570	1.0 (0.8, 1.3) 0.966
The number of childbirths			
1	1.0	1.0	1.0
2	1.9 (1.0, 3.7) 0.052	1.1 (0.6, 2.1) 0.800	1.4 (0.9, 2.2) 0.124
3	1.7 (0.6, 4.4) 0.305	1.3 (0.4, 3.8) 0.690	1.6 (0.8, 3.1) 0.195
CHD history			
Yes	1.0	1.0	1.0
No	0.8 (0.5, 1.4) 0.507	0.6 (0.2, 1.4) 0.246	0.9 (0.6, 1.3) 0.504
hyperlipidemia history			
Yes	1.0	1.0	1.0
No	1.0 (0.6, 1.6) 0.966	0.6 (0.4, 1.1) 0.079	0.8 (0.6, 1.2) 0.275
age at first gestation	1.0 (1.0, 1.1) 0.654	1.0 (0.9, 1.1) 0.614	1.0 (1.0, 1.1) 0.430
age at menopause	1.0 (1.0, 1.0) 0.762	1.0 (1.0, 1.0) 0.560	1.0 (1.0, 1.0) 0.952
number of pregnancies			
0	1.0	1.0	1.0
1	1.0	1.0	1.0
2	0.7 (0.3, 1.6) 0.405	0.9 (0.5, 1.9) 0.839	0.8 (0.5, 1.4) 0.503
3	0.6 (0.3, 1.4) 0.257	0.9 (0.4, 1.9) 0.786	0.7 (0.4, 1.3) 0.277
4	0.7 (0.3, 1.9) 0.521	0.5 (0.2, 1.3) 0.152	0.6 (0.3, 1.2) 0.173
5	1.1 (0.4, 3.2) 0.834	1.3 (0.3, 5.5) 0.727	1.1 (0.5, 2.5) 0.735
6	1.9 (0.4, 10.0) 0.433	2.8 (0.2, 33.8) 0.421	2.0 (0.6, 7.2) 0.269
8	0.0 (0.0, Inf) 0.985	1.0	0.0 (0.0, Inf) 0.978
smoking status			
No	1.0	1.0	1.0
Occasional smokers	1.1 (0.2, 7.1) 0.927	0.8 (0.1, 6.8) 0.838	1.5 (0.4, 5.4) 0.552
Regular smokers	0.6 (0.1, 5.5) 0.650	1.4 (0.4, 5.2) 0.641	1.0 (0.4, 2.8) 0.994
drinking status			
No	1.0	1.0	1.0
Occasional drinkers	1.6 (0.7, 3.7) 0.258	0.7 (0.3, 1.7) 0.442	1.0 (0.6, 1.8) 0.882
Regular drinkers	0.5 (0.1, 2.9) 0.447	1.0 (0.2, 6.0) 0.966	0.9 (0.3, 2.6) 0.788

<b>hypoglycemic drug use</b>			
Yes	1.0	1.0	1.0
No	0.6 (0.3, 1.2) 0.167	0.9 (0.3, 2.7) 0.913	0.7 (0.4, 1.2) 0.261
TC	2.4 (0.8, 7.2) 0.105	0.3 (0.1, 1.8) 0.211	1.2 (0.5, 2.8) 0.758
<b>HDCP</b>			
Yes	1.0	1.0	1.0
No	0.8 (0.4, 1.6) 0.601	0.6 (0.2, 1.9) 0.387	0.8 (0.5, 1.4) 0.476
<b>GDM</b>			
Yes	1.0	1.0	1.0
No	1953436.6 (0.0, Inf) 0.992	0.6 (0.0, 15.4) 0.758	0.8 (0.1, 10.7) 0.893
<b>occupation</b>			
Worker	1.0	1.0	1.0
Famer	0.3 (0.0, 21.8) 0.608	1.0	0.7 (0.0, 36.5) 0.880
Cadre	1.0	0.2 (0.0, Inf) 0.999	536376.7 (0.0, Inf) 0.988
Office and technical, personnel, doctor, teacher	0.6 (0.0, 24.1) 0.790	0.0 (0.0, Inf) 0.985	0.3 (0.0, 8.1) 0.448
Service worker	1.0	1.0	1.0
Housewife	0.1 (0.0, 3.6) 0.231	0.0 (0.0, Inf) 0.986	0.1 (0.0, 3.2) 0.209
Unemployed	0.1 (0.0, 2.5) 0.175	0.0 (0.0, Inf) 0.985	0.1 (0.0, 2.4) 0.168
Other	0.1 (0.0, 3.2) 0.174	0.0 (0.0, Inf) 0.986	0.1 (0.0, 3.0) 0.182
<b>Education</b>			
Illiterate	1.0	1.0	1.0
Primary school	1.2 (0.4, 3.7) 0.733	2.8 (0.3, 23.6) 0.339	1.6 (0.6, 4.0) 0.348
Junior high school	0.7 (0.2, 2.3) 0.593	2.9 (0.4, 22.9) 0.310	1.1 (0.4, 2.8) 0.821
Senior high school	0.7 (0.2, 2.2) 0.508	5.0 (0.6, 40.4) 0.129	1.4 (0.5, 3.6) 0.485
College	0.6 (0.2, 1.9) 0.350	4.1 (0.5, 34.3) 0.191	1.2 (0.4, 3.1) 0.754
<b>Marriage status</b>			
Married	1.0	1.0	1.0
Widowed	1.0	1.0	1.0
Separated	0.6 (0.3, 1.2) 0.121	3.0 (1.2, 7.1) 0.014	1.1 (0.6, 1.8) 0.779
Divorced	0.0 (0.0, Inf) 0.991	1.0	0.0 (0.0, Inf) 0.987

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S8. Logistical regression analysis between change in PWV as a category variable in hypertension subgroups in Model I**

Exposure	Hypertension Yes OR (95%CI) <i>P</i> -value	Hypertension No OR (95%CI) <i>P</i> -value	Total OR (95%CI) <i>P</i> -value
Age	1.0 (1.0, 1.1) 0.889	1.0 (0.9, 1.1) 0.791	1.0 (1.0, 1.0) 0.859
BMI	1.0 (0.9, 1.0) 0.489	1.0 (0.9, 1.1) 0.694	1.0 (0.9, 1.0) 0.707
SBP	1.0 (1.0, 1.0) 0.050	1.0 (0.9, 1.0) 0.002	1.0 (1.0, 1.0) 0.003
DBP	1.0 (1.0, 1.0) 0.327	1.0 (1.0, 1.1) 0.161	1.0 (1.0, 1.0) 0.260
TG	1.1 (0.9, 1.4) 0.444	1.0 (0.7, 1.3) 0.986	1.1 (0.9, 1.3) 0.379
GGT	1.0 (1.0, 1.0) 0.191	1.0 (1.0, 1.0) 0.814	1.0 (1.0, 1.0) 0.298
LDL_C	0.9 (0.7, 1.1) 0.308	0.9 (0.7, 1.2) 0.565	0.9 (0.8, 1.1) 0.300
HDL_C	0.8 (0.4, 1.5) 0.420	1.2 (0.6, 2.5) 0.588	1.0 (0.6, 1.6) 0.883
FBG	1.0 (0.8, 1.2) 0.761	0.9 (0.7, 1.1) 0.299	0.9 (0.8, 1.1) 0.237
PBG	1.0 (0.9, 1.1) 0.666	1.1 (1.0, 1.2) 0.251	1.0 (1.0, 1.1) 0.791
HbA1c	0.9 (0.6, 1.3) 0.624	1.1 (0.7, 1.6) 0.599	1.0 (0.8, 1.3) 0.933
The number of			
childbirths			
1	1.0	1.0	1.0
2	1.8 (1.0, 3.5) 0.060	1.1 (0.6, 2.2) 0.698	1.4 (0.9, 2.2) 0.107
3	1.9 (0.7, 4.8) 0.197	1.3 (0.4, 3.9) 0.613	1.6 (0.8, 3.1) 0.189
CHD history			
Yes	1.0	1.0	1.0
No	0.9 (0.5, 1.5) 0.661	0.6 (0.3, 1.4) 0.256	0.9 (0.6, 1.3) 0.522
hyperlipidemia history			
Yes	1.0	1.0	1.0
No	1.0 (0.6, 1.6) 0.990	0.6 (0.4, 1.0) 0.070	0.8 (0.6, 1.1) 0.260
age at first gestation	1.0 (1.0, 1.1) 0.713	1.0 (1.0, 1.1) 0.411	1.0 (1.0, 1.1) 0.437
age at menopause	1.0 (1.0, 1.0) 0.889	1.0 (1.0, 1.0) 0.724	1.0 (1.0, 1.0) 0.958
number of pregnancies			
0	1.0	1.0	1.0
1	1.0	1.0	1.0
2	0.8 (0.4, 1.7) 0.563	0.9 (0.5, 1.7) 0.737	0.9 (0.5, 1.4) 0.515
3	0.7 (0.3, 1.5) 0.348	0.9 (0.5, 1.9) 0.851	0.8 (0.5, 1.3) 0.343
4	0.8 (0.3, 1.9) 0.579	0.5 (0.2, 1.3) 0.141	0.7 (0.4, 1.2) 0.200
5	1.2 (0.4, 3.2) 0.785	1.1 (0.3, 4.4) 0.911	1.1 (0.5, 2.4) 0.771
6	1.7 (0.3, 8.4) 0.508	2.6 (0.3, 24.5) 0.404	1.9 (0.6, 6.6) 0.305
8	0.0 (0.0, Inf) 0.978	1.0	0.0 (0.0, Inf) 0.978
smoking status			
No	1.0	1.0	1.0
Occasional smokers	1.3 (0.2, 7.7) 0.805	1.0 (0.1, 7.2) 0.969	1.4 (0.4, 5.0) 0.611
Regular smokers	0.6 (0.1, 5.0) 0.605	1.4 (0.4, 4.8) 0.600	1.0 (0.4, 2.7) 0.952
drinking status			
No	1.0	1.0	1.0
Occasional drinkers	1.6 (0.7, 3.7) 0.229	0.8 (0.3, 1.6) 0.476	1.0 (0.6, 1.8) 0.889

<b>Regular drinkers</b>	0.6 (0.1, 3.4) 0.603	1.2 (0.3, 5.0) 0.847	1.0 (0.3, 2.8) 0.930
<b>hypoglycemic drug use</b>			
<b>Yes</b>	1.0	1.0	1.0
<b>No</b>	0.6 (0.3, 1.2) 0.144	1.0 (0.4, 2.6) 0.929	0.7 (0.4, 1.2) 0.179

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

**Table S9. Liner regression analysis between change in PWV as a continuous variable in hypertension subgroups in Model I**

Exposure	Hypertension Yes B (95%CI) <i>P</i> -value	Hypertension No B (95%CI) <i>P</i> -value	Total B (95%CI) <i>P</i> -value
Age	-9.2 (-16.7, -1.8) 0.015	-2.6 (-10.5, 5.2) 0.512	-7.4 (-12.7, -2.0) 0.007
BMI	-0.1 (-8.5, 8.4) 0.987	-1.3 (-10.2, 7.6) 0.771	0.2 (-5.9, 6.3) 0.953
SBP	-4.1 (-5.9, -2.2) <0.001	-4.3 (-7.2, -1.4) 0.004	-4.1 (-5.6, -2.6) <0.001
DBP	1.3 (-0.5, 3.0) 0.149	1.7 (-2.1, 5.5) 0.389	1.3 (-0.2, 2.7) 0.086
TG	3.8 (-32.9, 40.4) 0.841	-6.0 (-40.9, 29.0) 0.739	3.8 (-21.8, 29.4) 0.771
GGT	-0.8 (-2.4, 0.7) 0.291	0.6 (-1.0, 2.2) 0.455	-0.4 (-1.5, 0.7) 0.467
LDL_C	-10.3 (-42.7, 22.1) 0.535	-10.8 (-42.0, 20.4) 0.499	-8.3 (-31.1, 14.6) 0.480
HDL_C	-17.2 (-107.4, 72.9) 0.708	11.1 (-71.5, 93.8) 0.792	-4.3 (-66.0, 57.5) 0.893
FBG	1.3 (-28.5, 31.0) 0.934	-13.3 (-39.7, 13.1) 0.325	-8.9 (-28.7, 10.9) 0.379
PBG	1.5 (-8.5, 11.4) 0.772	9.0 (-2.3, 20.2) 0.119	4.1 (-3.3, 11.5) 0.278
HbA1c	-36.7 (-87.9, 14.6) 0.161	12.9 (-33.1, 58.9) 0.582	-17.5 (-51.7, 16.7) 0.316
The number of childbirths			
1	0	0	0
2	71.2 (-15.2, 157.6) 0.107	36.1 (-37.6, 109.7) 0.337	52.5 (-5.3, 110.3) 0.076
3	102.8 (-26.0, 231.5) 0.118	47.5 (-73.4, 168.4) 0.441	81.7 (-7.0, 170.5) 0.071
CHD history			
Yes	0	0	0
No	-60.0 (-132.5, 12.5) 0.105	-94.6 (-193.2, 4.0) 0.061	-60.3 (-116.7, -3.9) 0.036
hyperlipidemia history			
Yes	0	0	0
No	3.3 (-57.8, 64.3) 0.917	-23.8 (-83.1, 35.5) 0.432	-9.3 (-52.1, 33.5) 0.669
age at first gestation	-0.4 (-8.0, 7.2) 0.921	2.2 (-5.7, 10.1) 0.586	-0.1 (-5.6, 5.4) 0.966
age at menopause	-0.5 (-3.6, 2.6) 0.737	-0.4 (-3.1, 2.2) 0.737	-0.4 (-2.5, 1.6) 0.695
number of pregnancies			
0	0	0	0
1	0	0	0
2	11.0 (-90.1, 112.0) 0.832	-23.0 (-101.3, 55.3) 0.565	-0.7 (-65.5, 64.1) 0.984
3	-35.2 (-140.7, 70.3) 0.513	-29.7 (-113.7, 54.3) 0.489	-33.0 (-101.0, 35.0) 0.342
4	20.8 (-100.5, 142.1) 0.737	-57.6 (-158.9, 43.6) 0.265	-5.1 (-85.2, 74.9) 0.900
5	49.8 (-94.7, 194.3) 0.500	-50.3 (-212.5, 111.9) 0.544	16.4 (-88.2, 121.0) 0.758
6	-59.1 (-304.6, 186.4) 0.637	167.8 (-112.5, 448.0) 0.241	-8.5 (-189.3, 172.3) 0.927
8	-263.1 (-666.0, 139.7) 0.201	0	-252.4 (-611.5, 106.8) 0.169
smoking status			
No	0	0	0
Occasional smokers	40.8 (-242.6, 324.2) 0.778	126.8 (-110.9, 364.5) 0.296	90.6 (-95.6, 276.8) 0.341
Regular smokers	37.8 (-215.4, 291.0) 0.770	-0.5 (-143.2, 142.3) 0.995	17.5 (-116.0, 150.9) 0.797
drinking status			
No	0	0	0
Occasional drinkers	61.7 (-57.9, 181.2) 0.312	-58.2 (-142.8, 26.5) 0.179	-6.8 (-79.5, 66.0) 0.855



<b>Regular drinkers</b>	-65.2 (-274.4, 144.1) 0.542	116.2 (-58.7, 291.2) 0.194	14.9 (-122.2, 152.1) 0.831
<b>hypoglycemic drug use</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-74.8 (-159.1, 9.5) 0.083	146.1 (31.5, 260.7) 0.013	-22.6 (-88.7, 43.6) 0.503

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

**Table S10. Liner regression analysis between change in PWV as a continuous variable in hypertension subgroups in Model II**

Exposure	Hypertension Yes B (95%CI) <i>P</i> -value	Hypertension No B (95%CI) <i>P</i> -value	Total B (95%CI) <i>P</i> -value
Age	-9.8 (-17.7, -1.8) 0.016	-4.5 (-13.0, 4.0) 0.301	-8.2 (-13.9, -2.5) 0.005
BMI	-1.6 (-10.5, 7.3) 0.722	-2.3 (-11.4, 6.9) 0.628	-0.4 (-6.7, 5.9) 0.904
SBP	-4.1 (-6.0, -2.3) <0.001	-4.0 (-7.0, -1.1) 0.008	-4.1 (-5.6, -2.6) <0.001
DBP	1.4 (-0.4, 3.2) 0.127	1.9 (-2.0, 5.8) 0.338	1.3 (-0.2, 2.8) 0.080
TG	-6.5 (-64.9, 51.8) 0.826	23.2 (-40.0, 86.5) 0.472	4.5 (-38.0, 46.9) 0.837
GGT	-0.8 (-2.4, 0.7) 0.289	0.7 (-1.0, 2.3) 0.423	-0.4 (-1.6, 0.7) 0.445
LDL_C	-82.8 (-261.9, 96.4) 0.366	120.4 (-79.6, 320.4) 0.239	-15.8 (-147.8, 116.1) 0.814
HDL_C	-75.8 (-254.7, 103.1) 0.407	119.5 (-74.4, 313.4) 0.228	-10.4 (-140.1, 119.2) 0.875
FBG	2.5 (-27.8, 32.8) 0.872	-11.1 (-38.0, 15.8) 0.419	-9.0 (-29.0, 11.0) 0.380
PBG	2.0 (-8.2, 12.2) 0.699	8.3 (-3.2, 19.7) 0.157	4.3 (-3.2, 11.9) 0.259
HbA1c	-43.6 (-96.0, 8.8) 0.103	17.0 (-30.6, 64.7) 0.484	-19.4 (-54.2, 15.3) 0.273
The number of childbirths			
1	0	0	0
2	77.0 (-11.3, 165.4) 0.088	35.8 (-39.4, 110.9) 0.352	55.0 (-3.9, 113.8) 0.067
3	96.2 (-36.6, 229.1) 0.156	46.8 (-76.3, 169.8) 0.457	83.5 (-7.1, 174.1) 0.071
CHD history			
Yes	0	0	0
No	-70.7 (-144.9, 3.6) 0.063	-98.2 (-200.5, 4.1) 0.061	-64.3 (-121.5, -7.2) 0.028
hyperlipidemia history			
Yes	0	0	0
No	9.7 (-53.7, 73.2) 0.764	-24.6 (-85.2, 36.1) 0.427	-10.6 (-54.5, 33.3) 0.636
age at first gestation	-0.0 (-7.8, 7.8) 1.000	0.9 (-7.3, 9.1) 0.826	0.4 (-5.3, 6.0) 0.895
age at menopause	-0.4 (-3.5, 2.8) 0.808	-0.4 (-3.1, 2.2) 0.756	-0.4 (-2.5, 1.6) 0.678
number of pregnancies			
0	0	0	0
1	0	0	0
2	17.0 (-86.8, 120.7) 0.749	-19.2 (-98.7, 60.4) 0.637	2.2 (-63.7, 68.2) 0.947
3	-33.8 (-141.9, 74.3) 0.540	-31.4 (-117.4, 54.7) 0.475	-32.1 (-101.3, 37.1) 0.363
4	23.7 (-100.9, 148.3) 0.709	-60.9 (-163.4, 41.7) 0.246	-6.2 (-87.5, 75.1) 0.882
5	52.0 (-97.0, 201.1) 0.494	-36.8 (-200.9, 127.2) 0.660	21.2 (-85.3, 127.8) 0.696
6	-57.6 (-308.4, 193.3) 0.653	171.1 (-117.5, 459.6) 0.246	-7.1 (-190.8, 176.5) 0.939
8	-277.4 (-685.9, 131.1) 0.184	0	-261.0 (-623.3, 101.4) 0.158
smoking status			
No	0	0	0
Occasional smokers	31.6 (-258.4, 321.6) 0.831	99.3 (-141.9, 340.4) 0.420	91.0 (-97.2, 279.2) 0.344
Regular smokers	16.3 (-240.5, 273.2) 0.901	22.7 (-127.3, 172.7) 0.767	24.3 (-112.6, 161.1) 0.728
drinking status			
No	0	0	0
Occasional drinkers	49.6 (-73.2, 172.3) 0.429	-57.6 (-143.9, 28.7) 0.192	-5.7 (-79.9, 68.4) 0.879
Regular drinkers	-67.1 (-279.6, 145.4) 0.536	108.6 (-79.8, 296.9) 0.259	1.6 (-138.4, 141.6) 0.982

hypoglycemic drug use			
Yes	0	0	0
No	-79.9 (-165.9, 6.1) 0.069	165.7 (46.5, 285.0) 0.007	-19.6 (-87.0, 47.8) 0.569
TC	64.1 (-100.4, 228.7) 0.445	-122.9 (-307.9, 62.1) 0.194	6.4 (-115.2, 128.0) 0.918
HDCP			
Yes	0	0	0
No	70.6 (-24.8, 166.1) 0.147	-33.4 (-168.8, 102.0) 0.629	37.0 (-37.9, 112.0) 0.333
GDM			
Yes	0	0	0
No	-213.8 (-900.6, 473.1) 0.542	327.8 (-72.2, 727.8) 0.109	57.4 (-307.7, 422.5) 0.758
occupation			
Worker	0	0	0
Famer	-1.3 (-689.3, 686.7) 0.997	0	111.6 (-456.4, 679.6) 0.700
Cadre	0	-47.2 (-833.4, 739.0) 0.906	78.2 (-681.6, 838.1) 0.840
Office and technical, personnel, doctor, teacher	148.7 (-453.7, 751.0) 0.629	-321.6 (-970.3, 327.1) 0.332	34.1 (-466.3, 534.5) 0.894
Service worker	0	0	0
Housewife	-179.7 (-703.1, 343.7) 0.501	-244.7 (-877.1, 387.7) 0.449	-147.3 (-610.9, 316.3) 0.534
Unemployed	-106.2 (-596.4, 384.0) 0.671	-322.5 (-889.8, 244.8) 0.266	-86.1 (-526.2, 354.0) 0.701
Other	-227.8 (-807.7, 352.0) 0.442	-214.0 (-861.0, 433.0) 0.517	-118.4 (-611.1, 374.3) 0.638
Education			
Illiterate	0	0	0
Primary school	-0.1 (-159.3, 159.1) 0.999	165.9 (-17.1, 349.0) 0.076	39.8 (-77.1, 156.6) 0.505
Junior high school	-19.6 (-176.4, 137.3) 0.807	102.9 (-72.5, 278.4) 0.251	10.7 (-103.6, 125.0) 0.855
Senior high school	-58.3 (-222.0, 105.5) 0.486	134.0 (-43.9, 311.8) 0.141	0.8 (-117.1, 118.8) 0.989
College	-58.8 (-226.2, 108.6) 0.491	139.2 (-43.2, 321.7) 0.136	1.6 (-119.8, 122.9) 0.980
Marriage status			
Married	0	0	0
Widowed	0	0	0
Separated	-20.0 (-110.1, 70.2) 0.665	113.7 (12.9, 214.6) 0.028	23.7 (-42.4, 89.9) 0.482
Divorced	-294.6 (-996.7, 407.4) 0.411	0	-253.7 (-879.5, 372.1) 0.427

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

**Table S11. Liner regression analysis between follow up PWV and the number of childbirths in diabetes history subgroups in Model I**

Exposure	Diabetes Yes	Diabetes No	Total
	B (95%CI) <i>P</i> -value	B (95%CI) <i>P</i> -value	B (95%CI) <i>P</i> -value
Age	9.0 (2.0, 16.1) 0.013	2.8 (-3.3, 8.9) 0.365	5.7 (1.2, 10.2) 0.013
BMI	-7.1 (-15.6, 1.4) 0.102	-4.6 (-10.9, 1.7) 0.150	-5.2 (-10.2, -0.3) 0.038
SBP	-0.5 (-2.3, 1.2) 0.540	1.4 (-0.3, 3.0) 0.099	0.3 (-0.8, 1.5) 0.560
DBP	0.4 (-1.1, 1.8) 0.611	-0.8 (-3.5, 2.0) 0.593	0.1 (-1.1, 1.3) 0.887
TG	-8.4 (-42.6, 25.7) 0.629	21.0 (-6.2, 48.1) 0.130	10.3 (-10.5, 31.2) 0.331
GGT	-1.1 (-2.7, 0.5) 0.168	0.1 (-1.1, 1.2) 0.907	-0.5 (-1.4, 0.4) 0.273

<b>LDL_C</b>	-6.5 (-36.4, 23.4) 0.671	-8.0 (-32.3, 16.2) 0.517	-9.6 (-28.2, 9.0) 0.313
<b>HDL_C</b>	-6.1 (-94.6, 82.4) 0.893	-3.6 (-66.6, 59.5) 0.912	-12.6 (-63.0, 37.7) 0.623
<b>FBG</b>	-10.1 (-28.9, 8.7) 0.295	-3.8 (-48.5, 40.9) 0.868	-7.6 (-23.8, 8.6) 0.358
<b>PBG</b>	6.4 (-1.5, 14.3) 0.113	11.5 (-1.8, 24.9) 0.091	7.4 (0.9, 13.9) 0.025
<b>HbA1c</b>	17.7 (-15.4, 50.8) 0.296	-52.1 (-118.6, 14.4) 0.125	3.7 (-24.6, 32.1) 0.796
<b>Baseline PWV</b>	0.3 (0.3, 0.4) <0.001	0.5 (0.4, 0.5) <0.001	0.4 (0.4, 0.5) <0.001
<b>The number of childbirths</b>			
<b>1</b>	0	0	0
<b>2</b>	50.9 (-29.5, 131.4) 0.216	36.7 (-22.6, 96.0) 0.225	46.1 (-1.1, 93.2) 0.056
<b>3</b>	40.5 (-79.6, 160.6) 0.509	61.9 (-31.8, 155.7) 0.196	60.4 (-12.2, 132.9) 0.103
<b>CHD history</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-78.7 (-148.6, -8.9) 0.028	-23.0 (-84.8, 38.9) 0.467	-49.5 (-95.3, -3.8) 0.034
<b>hyperlipidemia history</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-21.0 (-78.7, 36.7) 0.476	21.5 (-23.5, 66.6) 0.350	3.4 (-31.5, 38.2) 0.849
<b>age at first gestation</b>	3.5 (-3.8, 10.8) 0.350	-2.0 (-7.9, 3.9) 0.514	0.2 (-4.3, 4.7) 0.930
<b>age at menopause</b>	0.4 (-2.0, 2.8) 0.751	-0.6 (-3.1, 1.8) 0.617	0.1 (-1.6, 1.8) 0.922
<b>number of pregnancies</b>			
<b>0</b>	0	0	0
<b>1</b>	0	0	0
<b>2</b>	-10.2 (-114.6, 94.2) 0.848	15.3 (-46.3, 77.0) 0.626	0.3 (-52.7, 53.3) 0.990
<b>3</b>	-3.3 (-111.8, 105.2) 0.953	-7.6 (-73.2, 58.0) 0.820	-20.0 (-75.6, 35.7) 0.482
<b>4</b>	-33.8 (-155.5, 87.8) 0.586	-16.2 (-95.6, 63.2) 0.689	-33.2 (-98.6, 32.3) 0.321
<b>5</b>	38.5 (-109.0, 186.0) 0.609	5.9 (-103.1, 114.9) 0.915	9.1 (-76.3, 94.5) 0.834
<b>6</b>	26.8 (-193.5, 247.0) 0.812	-21.3 (-234.2, 191.6) 0.845	9.6 (-137.9, 157.1) 0.898
<b>8</b>	-344.6 (-660.4, -28.8) 0.033	0	-317.1 (-609.8, -24.4) 0.034
<b>smoking status</b>			
<b>No</b>	0	0	0
<b>Occasional smokers</b>	121.7 (-101.5, 344.8) 0.286	-130.3 (-349.0, 88.4) 0.243	13.3 (-139.1, 165.6) 0.864
<b>Regular smokers</b>	-51.3 (-275.2, 172.6) 0.654	14.6 (-113.9, 143.2) 0.823	-22.9 (-134.2, 88.3) 0.686
<b>drinking status</b>			
<b>No</b>	0	0	0
<b>Occasional drinkers</b>	-137.2 (-251.1, -23.3) 0.019	17.1 (-53.3, 87.4) 0.635	-30.1 (-90.0, 29.7) 0.324
<b>Regular drinkers</b>	50.2 (-137.9, 238.4) 0.601	2.4 (-141.2, 146.1) 0.973	31.1 (-81.0, 143.1) 0.587
<b>antihypertensive drug use</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-55.0 (-121.7, 11.8) 0.107	14.2 (-44.6, 73.0) 0.636	-17.7 (-61.1, 25.6) 0.423

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; LDL-C; HDL-C; FBG; PBG; HbA1c; baseline PWV; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

**Table S12. Liner regression analysis between follow up PWV and the number of childbirths in diabetes history subgroups in Model II**

Exposure	Diabetes Yes B (95%CI) <i>P</i> -value	Diabetes No B (95%CI) <i>P</i> -value	Total B (95%CI) <i>P</i> -value
Age	8.4 (0.5, 16.3) 0.038	4.1 (-2.3, 10.5) 0.208	6.0 (1.1, 10.9) 0.016
BMI	-7.3 (-16.6, 1.9) 0.120	-5.4 (-11.8, 1.0) 0.101	-5.7 (-10.8, -0.6) 0.028
SBP	-0.3 (-2.1, 1.6) 0.760	1.7 (-0.1, 3.4) 0.060	0.4 (-0.8, 1.7) 0.499
DBP	0.1 (-2.6, 2.9) 0.926	-1.2 (-4.1, 1.7) 0.425	0.0 (-1.7, 1.8) 0.964
TG	-23.3 (-77.2, 30.5) 0.396	43.2 (-5.3, 91.7) 0.081	4.9 (-29.6, 39.3) 0.782
GGT	-1.2 (-2.8, 0.4) 0.141	-0.0 (-1.1, 1.1) 0.987	-0.6 (-1.5, 0.3) 0.219
LDL_C	-80.1 (-238.6, 78.5) 0.323	54.6 (-100.0, 209.2) 0.489	-40.0 (-147.4, 67.4) 0.466
HDL_C	-63.9 (-230.8, 103.0) 0.454	58.9 (-87.1, 204.9) 0.429	-37.4 (-142.9, 68.0) 0.487
FBG	-10.8 (-30.2, 8.5) 0.274	-3.0 (-48.5, 42.4) 0.896	-7.2 (-23.6, 9.1) 0.387
PBG	5.9 (-2.3, 14.2) 0.160	13.8 (0.2, 27.4) 0.047	7.3 (0.7, 13.9) 0.030
HbA1c	18.6 (-15.9, 53.1) 0.291	-54.4 (-121.5, 12.7) 0.113	2.3 (-26.5, 31.1) 0.874
Baseline PWV	0.3 (0.3, 0.4) <0.001	0.5 (0.4, 0.5) <0.001	0.4 (0.4, 0.5) <0.001
The number of childbirths			
1	0	0	0
2	46.0 (-37.3, 129.3) 0.280	33.0 (-27.4, 93.3) 0.285	45.0 (-2.9, 92.9) 0.066
3	36.2 (-88.5, 160.9) 0.569	47.1 (-48.4, 142.6) 0.334	57.0 (-16.9, 131.0) 0.131
CHD history			
Yes	0	0	0
No	-86.1 (-157.8, -14.4) 0.019	-17.1 (-80.8, 46.6) 0.599	-51.2 (-97.6, -4.7) 0.031
hyperlipidemia history			
Yes	0	0	0
No	-19.2 (-79.9, 41.5) 0.535	21.0 (-24.9, 66.8) 0.370	3.8 (-32.0, 39.5) 0.837
age at first gestation	2.5 (-5.2, 10.2) 0.521	-1.8 (-7.8, 4.2) 0.546	0.3 (-4.4, 4.9) 0.911
age at menopause	0.5 (-2.0, 3.0) 0.685	-0.6 (-3.1, 1.9) 0.644	0.0 (-1.7, 1.7) 0.972
number of pregnancies			
0	0	0	0
1	0	0	0
2	-0.6 (-109.0, 107.8) 0.991	8.1 (-54.0, 70.1) 0.799	-0.4 (-54.3, 53.4) 0.988
3	4.1 (-108.6, 116.8) 0.944	-18.5 (-84.8, 47.8) 0.584	-21.3 (-77.9, 35.2) 0.460
4	-20.7 (-147.4, 106.0) 0.749	-19.6 (-99.2, 60.1) 0.630	-33.2 (-99.6, 33.2) 0.327
5	70.7 (-83.5, 225.0) 0.369	-0.4 (-111.7, 110.9) 0.994	12.2 (-74.8, 99.2) 0.783
6	45.2 (-181.2, 271.6) 0.696	1.0 (-217.3, 219.2) 0.993	16.6 (-133.0, 166.2) 0.828
8	-319.1 (-641.9, 3.7) 0.054	0	-314.8 (-609.7, -19.8) 0.037
smoking status			
No	0	0	0
Occasional smokers	101.5 (-128.2, 331.3) 0.387	-139.0 (-358.4, 80.4) 0.215	15.5 (-138.1, 169.2) 0.843
Regular smokers	-34.0 (-288.0, 220.0) 0.793	36.8 (-96.1, 169.7) 0.587	-15.6 (-129.8, 98.5) 0.789
drinking status			
No	0	0	0
Occasional drinkers	-156.7 (-275.4, -38.1) 0.010	5.9 (-65.8, 77.6) 0.871	-35.1 (-96.1, 25.8) 0.259

<b>Regular drinkers</b>	58.4 (-139.4, 256.1) 0.563	-1.0 (-148.6, 146.5) 0.989	19.0 (-95.3, 133.4) 0.744
<b>antihypertensive drug use</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-51.6 (-120.9, 17.8) 0.146	16.2 (-43.5, 76.0) 0.594	-13.0 (-57.1, 31.0) 0.562
<b>TC</b>	68.1 (-77.5, 213.7) 0.360	-56.4 (-200.1, 87.3) 0.442	28.8 (-70.3, 127.9) 0.569
<b>HDCP</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-3.6 (-101.3, 94.2) 0.943	-96.3 (-177.2, -15.4) 0.020	-35.0 (-96.4, 26.4) 0.264
<b>GDM</b>			
<b>Yes</b>	0	0	0
<b>No</b>	169.8 (-429.0, 768.7) 0.579	-30.2 (-382.5, 322.2) 0.867	82.2 (-215.2, 379.5) 0.588
<b>Occupation</b>			
<b>Worker</b>	0	0	0
<b>Famer</b>	210.6 (-442.6, 863.9) 0.528	0	115.4 (-347.6, 578.4) 0.625
<b>Cadre</b>	-123.3 (-783.5, 536.9) 0.715	0	12.0 (-604.3, 628.3) 0.969
<b>Office and technical, personnel, doctor, teacher</b>	-105.0 (-647.2, 437.2) 0.705	53.4 (-367.1, 473.9) 0.804	119.7 (-288.2, 527.5) 0.565
<b>Service worker</b>	0	0	0
<b>Housewife</b>	-145.6 (-564.9, 273.7) 0.497	-77.6 (-471.1, 315.8) 0.699	-36.0 (-414.1, 342.0) 0.852
<b>Unemployed</b>	-116.3 (-499.6, 267.0) 0.552	-161.1 (-518.0, 195.8) 0.377	-40.0 (-399.0, 319.1) 0.827
<b>Other</b>	-82.6 (-555.7, 390.6) 0.732	-65.3 (-503.2, 372.6) 0.770	16.1 (-385.0, 417.2) 0.937
<b>Education</b>			
<b>Illiterate</b>	0	0	0
<b>Primary school</b>	21.0 (-125.7, 167.6) 0.780	147.3 (15.8, 278.7) 0.028	71.4 (-24.0, 166.8) 0.143
<b>Junior high school</b>	55.2 (-91.2, 201.6) 0.460	99.6 (-26.9, 226.1) 0.123	58.1 (-35.5, 151.8) 0.224
<b>Senior high school</b>	58.2 (-96.5, 212.9) 0.462	82.6 (-45.7, 211.0) 0.207	51.1 (-45.6, 147.8) 0.300
<b>College</b>	33.9 (-127.6, 195.4) 0.681	79.5 (-51.8, 210.8) 0.236	39.9 (-59.3, 139.2) 0.431
<b>Marriage status</b>			
<b>Married</b>	0	0	0
<b>Widowed</b>	0	0	0
<b>Separated</b>	55.3 (-37.7, 148.3) 0.245	-21.6 (-89.0, 45.7) 0.529	11.3 (-42.5, 65.2) 0.680
<b>Divorced</b>	0	-263.7 (-767.4, 240.0) 0.305	-296.2 (-806.5, 214.1) 0.255

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM);

**Table S13. Logistical regression analysis between change in PWV as a category variable in diabetes subgroups in Model I**

Exposure	Diabetes Yes OR (95%CI) <i>P</i> -value	Diabetes No OR (95%CI) <i>P</i> -value	Total OR (95%CI) <i>P</i> -value
Age	1.0 (0.9, 1.0) 0.238	1.0 (1.0, 1.1) 0.532	1.0 (1.0, 1.0) 0.909
BMI	0.9 (0.9, 1.0) 0.162	1.0 (1.0, 1.1) 0.507	1.0 (0.9, 1.0) 0.649
SBP	1.0 (1.0, 1.0) 0.059	1.0 (1.0, 1.0) 0.013	1.0 (1.0, 1.0) <0.001
DBP	1.0 (1.0, 1.0) 0.236	1.0 (1.0, 1.0) 0.813	1.0 (1.0, 1.0) 0.284
TG	0.9 (0.6, 1.2) 0.470	1.2 (1.0, 1.6) 0.085	1.1 (0.9, 1.3) 0.464
GGT	1.0 (1.0, 1.0) 0.190	1.0 (1.0, 1.0) 0.580	1.0 (1.0, 1.0) 0.267
LDL_C	0.7 (0.5, 1.0) 0.036	1.1 (0.8, 1.3) 0.656	0.9 (0.8, 1.1) 0.255
HDL_C	0.6 (0.3, 1.5) 0.279	1.2 (0.7, 2.2) 0.544	1.0 (0.6, 1.5) 0.833
FBG	0.9 (0.7, 1.1) 0.205	0.8 (0.5, 1.2) 0.270	0.9 (0.8, 1.1) 0.274
PBG	1.0 (0.9, 1.1) 0.566	1.0 (0.9, 1.2) 0.715	1.0 (1.0, 1.1) 0.599
HbA1c	1.1 (0.8, 1.5) 0.592	0.9 (0.5, 1.6) 0.626	1.0 (0.8, 1.4) 0.761
The number of			
childbirths			
1	1.0	1.0	1.0
2	3.5 (1.5, 7.9) 0.003	1.0 (0.6, 1.7) 0.910	1.4 (0.9, 2.2) 0.122
3	4.4 (1.3, 14.5) 0.015	1.0 (0.4, 2.4) 0.925	1.6 (0.8, 3.1) 0.198
CHD history			
Yes	1.0	1.0	1.0
No	0.8 (0.4, 1.4) 0.415	1.1 (0.6, 1.9) 0.845	0.9 (0.6, 1.3) 0.516
hyperlipidemia history			
Yes	1.0	1.0	1.0
No	0.7 (0.4, 1.1) 0.120	1.0 (0.6, 1.5) 0.877	0.8 (0.6, 1.1) 0.202
age at first gestation	1.0 (1.0, 1.1) 0.417	1.0 (1.0, 1.1) 0.706	1.0 (1.0, 1.1) 0.472
age at menopause	1.0 (1.0, 1.0) 0.946	1.0 (1.0, 1.0) 0.912	1.0 (1.0, 1.0) 0.867
number of pregnancies			
0	1.0	1.0	1.0
1	1.0	1.0	1.0
2	0.5 (0.2, 1.3) 0.146	1.1 (0.6, 1.9) 0.770	0.9 (0.5, 1.4) 0.526
3	0.5 (0.2, 1.5) 0.208	1.0 (0.5, 1.9) 0.968	0.8 (0.5, 1.3) 0.339
4	0.4 (0.1, 1.2) 0.109	0.8 (0.4, 1.8) 0.653	0.7 (0.4, 1.2) 0.192
5	0.9 (0.2, 3.4) 0.839	0.9 (0.3, 2.6) 0.821	1.1 (0.5, 2.4) 0.806
6	1.6 (0.2, 10.6) 0.636	1.8 (0.3, 11.8) 0.556	2.0 (0.6, 6.8) 0.290
8	0.0 (0.0, Inf) 0.984	1.0	0.0 (0.0, Inf) 0.978
smoking status			
No	1.0	1.0	1.0
Occasional smokers	1.6 (0.3, 10.1) 0.590	0.8 (0.1, 7.2) 0.817	1.4 (0.4, 5.1) 0.607
Regular smokers	1.4 (0.2, 10.2) 0.727	1.0 (0.3, 3.4) 0.986	0.9 (0.3, 2.5) 0.892
drinking status			
No	1.0	1.0	1.0
Occasional drinkers	0.6 (0.2, 2.0) 0.403	1.3 (0.7, 2.4) 0.446	1.0 (0.6, 1.8) 0.885

<b>Regular drinkers</b>	1.6 (0.3, 8.2) 0.599	0.7 (0.1, 3.4) 0.657	1.0 (0.3, 2.8) 0.972
<b>antihypertensive drug use</b>			
<b>Yes</b>	1.0	1.0	1.0
<b>No</b>	0.8 (0.4, 1.5) 0.535	1.1 (0.6, 2.0) 0.650	1.0 (0.6, 1.4) 0.818

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; LDL-C; HDL-C; FBG; PBG; HbA1c; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use



**Table S14. Logistical regression analysis between change in PWV as a category variable in diabetes subgroups in Model II**

Exposure	Diabetes Yes OR (95%CI) <i>P</i> -value	Diabetes No OR (95%CI) <i>P</i> -value	Total OR (95%CI) <i>P</i> -value
Age	1.0 (0.9, 1.0) 0.398	1.0 (1.0, 1.1) 0.287	1.0 (1.0, 1.1) 0.689
BMI	0.9 (0.8, 1.0) 0.075	1.0 (1.0, 1.1) 0.523	1.0 (0.9, 1.0) 0.549
SBP	1.0 (1.0, 1.0) 0.016	1.0 (1.0, 1.0) 0.009	1.0 (1.0, 1.0) <0.001
DBP	1.0 (1.0, 1.1) 0.005	1.0 (1.0, 1.0) 0.815	1.0 (1.0, 1.0) 0.011
TG	0.7 (0.4, 1.2) 0.201	1.6 (1.0, 2.5) 0.065	1.1 (0.8, 1.5) 0.697
GGT	1.0 (1.0, 1.0) 0.137	1.0 (1.0, 1.0) 0.487	1.0 (1.0, 1.0) 0.230
LDL_C	0.3 (0.1, 1.5) 0.133	2.1 (0.5, 9.2) 0.322	0.8 (0.3, 2.1) 0.611
HDL_C	0.3 (0.1, 1.5) 0.136	2.2 (0.5, 9.2) 0.263	0.9 (0.3, 2.3) 0.766
FBG	0.9 (0.7, 1.1) 0.211	0.8 (0.5, 1.2) 0.318	0.9 (0.8, 1.1) 0.309
PBG	1.0 (0.9, 1.1) 0.683	1.1 (0.9, 1.2) 0.460	1.0 (1.0, 1.1) 0.611
HbA1c	1.1 (0.8, 1.5) 0.599	0.8 (0.4, 1.5) 0.499	1.0 (0.8, 1.4) 0.892
The number of childbirths			
1	1.0	1.0	1.0
2	3.1 (1.3, 7.2) 0.009	0.9 (0.5, 1.6) 0.781	1.4 (0.9, 2.1) 0.182
3	4.1 (1.2, 14.3) 0.028	0.8 (0.3, 2.1) 0.680	1.5 (0.8, 3.0) 0.239
CHD history			
Yes	1.0	1.0	1.0
No	0.8 (0.4, 1.6) 0.550	1.1 (0.6, 2.0) 0.765	0.9 (0.6, 1.4) 0.610
hyperlipidemia history			
Yes	1.0	1.0	1.0
No	0.6 (0.3, 1.1) 0.096	1.0 (0.6, 1.6) 0.990	0.8 (0.6, 1.2) 0.262
age at first gestation	1.0 (1.0, 1.1) 0.370	1.0 (1.0, 1.1) 0.779	1.0 (1.0, 1.1) 0.414
age at menopause	1.0 (1.0, 1.0) 0.973	1.0 (1.0, 1.0) 0.979	1.0 (1.0, 1.0) 0.938
number of pregnancies			
0	1.0	1.0	1.0
1	1.0	1.0	1.0
2	0.6 (0.2, 1.6) 0.285	1.0 (0.6, 1.8) 0.998	0.8 (0.5, 1.4) 0.490
3	0.5 (0.2, 1.5) 0.235	0.9 (0.5, 1.7) 0.806	0.7 (0.4, 1.2) 0.240
4	0.4 (0.1, 1.4) 0.160	0.8 (0.4, 1.7) 0.503	0.6 (0.3, 1.2) 0.141
5	1.4 (0.3, 5.9) 0.632	0.8 (0.3, 2.3) 0.656	1.1 (0.5, 2.4) 0.845
6	2.2 (0.3, 16.5) 0.434	2.2 (0.3, 15.9) 0.421	2.1 (0.6, 7.4) 0.256
8	0.0 (0.0, Inf) 0.989	1.0	0.0 (0.0, Inf) 0.978
smoking status			
No	1.0	1.0	1.0
Occasional smokers	1.7 (0.3, 11.7) 0.569	0.8 (0.1, 7.7) 0.840	1.5 (0.4, 5.5) 0.547
Regular smokers	2.3 (0.3, 20.1) 0.458	1.2 (0.3, 4.4) 0.786	1.0 (0.4, 2.9) 0.970
drinking status			

No	1.0	1.0	1.0
Occasional drinkers	0.5 (0.1, 1.8) 0.284	1.1 (0.6, 2.2) 0.702	1.0 (0.5, 1.7) 0.881
Regular drinkers	0.9 (0.1, 5.6) 0.922	0.6 (0.1, 3.4) 0.597	0.8 (0.3, 2.5) 0.703
antihypertensive drug use			
Yes	1.0	1.0	1.0
No	0.8 (0.4, 1.4) 0.383	1.2 (0.7, 2.1) 0.580	0.9 (0.6, 1.4) 0.697
TC	2.3 (0.5, 9.8) 0.271	0.5 (0.1, 2.1) 0.357	1.2 (0.5, 2.8) 0.754
HDCP			
Yes	1.0	1.0	1.0
No	1.0 (0.4, 2.5) 0.954	0.6 (0.3, 1.3) 0.238	0.8 (0.5, 1.5) 0.550
GDM			
Yes	1.0	1.0	1.0
No	4600932.3 (0.0, Inf) 0.995	0.4 (0.0, 7.8) 0.555	0.8 (0.1, 10.7) 0.898
occupation			
Worker	1.0	1.0	1.0
Famer	6017287.8 (0.0, Inf) 0.995	1.0	0.6 (0.0, 28.1) 0.768
Cadre	2713105.5 (0.0, Inf) 0.995	1.0	543754.7 (0.0, Inf) 0.988
Office and technical personnel, doctor, teacher	0.0 (0.0, Inf) 0.990	0.9 (0.0, 32.5) 0.960	0.2 (0.0, 6.6) 0.379
Service worker	1.0	1.0	1.0
Housewife	0.1 (0.0, 2.3) 0.129	0.3 (0.0, 9.8) 0.511	0.1 (0.0, 2.5) 0.163
Unemployed	0.0 (0.0, 1.1) 0.058	0.2 (0.0, 3.8) 0.271	0.1 (0.0, 1.9) 0.121
Other	0.1 (0.0, 4.5) 0.201	0.2 (0.0, 8.7) 0.382	0.1 (0.0, 2.5) 0.150
Education			
Illiterate	1.0	1.0	1.0
Primary school	1.5 (0.4, 6.6) 0.561	2.4 (0.6, 10.0) 0.229	1.6 (0.6, 4.1) 0.325
Junior high school	1.2 (0.3, 5.2) 0.788	1.6 (0.4, 6.6) 0.489	1.2 (0.5, 2.9) 0.764
Senior high school	1.7 (0.4, 8.2) 0.483	2.0 (0.5, 8.3) 0.320	1.5 (0.6, 3.8) 0.432
College	0.7 (0.1, 4.0) 0.727	2.0 (0.5, 8.2) 0.356	1.2 (0.4, 3.2) 0.733
Marriage status			
Married	1.0	1.0	1.0
Widowed	1.0	1.0	1.0
Separated	1.1 (0.4, 2.7) 0.883	1.0 (0.5, 2.0) 0.919	1.1 (0.6, 1.8) 0.823
Divorced	1.0	0.0 (0.0, Inf) 0.981	0.0 (0.0, Inf) 0.987

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM);

**Table S15. Liner regression analysis between change in PWV as a continuous variable in diabetes subgroups in Model I**

Exposure	Diabetes Yes	Diabetes No	Total
<b>Age</b>	-5.5 (-14.7, 3.8) 0.246	-10.1 (-16.9, -3.4) 0.004	-7.7 (-13.1, -2.4) 0.005
<b>BMI</b>	0.6 (-10.9, 12.0) 0.924	-0.3 (-7.5, 7.0) 0.940	-0.9 (-6.9, 5.2) 0.781
<b>SBP</b>	-5.4 (-7.6, -3.2) <0.001	-3.9 (-5.6, -2.1) <0.001	-4.9 (-6.2, -3.6) <0.001
<b>DBP</b>	2.0 (0.0, 4.0) 0.047	-1.0 (-4.1, 2.2) 0.558	1.5 (0.0, 2.9) 0.047
<b>TG</b>	-0.6 (-46.4, 45.1) 0.978	9.3 (-22.2, 40.8) 0.562	2.9 (-22.7, 28.4) 0.827
<b>GGT</b>	-1.4 (-3.5, 0.7) 0.194	0.2 (-1.1, 1.5) 0.734	-0.4 (-1.6, 0.7) 0.439
<b>LDL_C</b>	-9.5 (-49.7, 30.6) 0.643	-4.3 (-32.4, 23.9) 0.767	-7.4 (-30.2, 15.4) 0.523
<b>HDL_C</b>	18.3 (-100.7, 137.3) 0.763	-8.3 (-81.5, 65.0) 0.825	-3.4 (-65.2, 58.4) 0.915
<b>FBG</b>	-7.1 (-32.4, 18.2) 0.582	-36.9 (-88.6, 14.8) 0.162	-9.2 (-29.0, 10.6) 0.364
<b>PBG</b>	4.9 (-5.6, 15.5) 0.362	6.5 (-8.9, 21.9) 0.411	5.7 (-2.2, 13.7) 0.157
<b>HbA1c</b>	-8.5 (-52.9, 35.8) 0.706	-55.0 (-132.0, 22.0) 0.162	-13.1 (-47.8, 21.5) 0.458
<b>The number of</b>			
<b>childbirths</b>			
<b>1</b>	0	0	0
<b>2</b>	130.3 (22.4, 238.1) 0.018	10.1 (-58.7, 78.9) 0.773	52.8 (-5.0, 110.6) 0.074
<b>3</b>	140.5 (-21.0, 302.1) 0.089	59.1 (-49.4, 167.5) 0.286	87.2 (-1.5, 175.9) 0.054
<b>CHD history</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-55.3 (-149.6, 39.0) 0.251	-37.4 (-108.8, 34.1) 0.306	-54.5 (-110.6, 1.6) 0.057
<b>hyperlipidemia</b>			
<b>history</b>			
<b>Yes</b>	0	0	0
<b>No</b>	-13.6 (-91.5, 64.3) 0.732	3.4 (-48.1, 55.0) 0.896	-9.2 (-51.7, 33.3) 0.671
<b>age at first gestation</b>	0.5 (-9.3, 10.4) 0.915	-1.7 (-8.5, 5.1) 0.628	-0.2 (-5.7, 5.3) 0.949
<b>age at menopause</b>	0.1 (-3.1, 3.4) 0.927	-1.1 (-3.9, 1.8) 0.454	-0.2 (-2.3, 1.8) 0.813
<b>number of</b>			
<b>pregnancies</b>			
<b>0</b>	0	0	0
<b>1</b>	0	0	0
<b>2</b>	-50.0 (-190.3, 90.2) 0.485	25.2 (-46.2, 96.7) 0.489	-1.3 (-66.2, 63.6) 0.968
<b>3</b>	-109.8 (-255.2, 35.6) 0.140	13.5 (-62.5, 89.5) 0.728	-34.5 (-102.6, 33.7) 0.322
<b>4</b>	-88.5 (-252.5, 75.5) 0.291	46.7 (-44.9, 138.3) 0.318	-5.7 (-85.9, 74.5) 0.889
<b>5</b>	-49.7 (-248.5, 149.1) 0.624	41.3 (-85.0, 167.6) 0.522	13.3 (-91.4, 118.0) 0.804
<b>6</b>	-36.6 (-334.1, 260.8) 0.809	-48.0 (-295.4, 199.4) 0.704	-10.1 (-191.2, 170.9) 0.913
<b>8</b>	-307.3 (-734.0, 119.4) 0.159	0	-248.8 (-608.1, 110.4) 0.175
<b>smoking status</b>			
<b>No</b>	0	0	0
<b>Occasional smokers</b>	171.3 (-128.3, 470.9) 0.263	-52.1 (-305.9, 201.7) 0.688	96.0 (-90.7, 282.7) 0.314
<b>Regular smokers</b>	-49.3 (-351.7, 253.1) 0.750	53.4 (-91.1, 197.9) 0.469	20.3 (-113.0, 153.6) 0.765

drinking status			
No	0	0	0
Occasional drinkers	-50.9 (-200.5, 98.6) 0.505	21.9 (-59.9, 103.7) 0.601	-4.1 (-77.0, 68.8) 0.913
Regular drinkers	62.3 (-190.9, 315.5) 0.630	6.8 (-160.1, 173.7) 0.936	18.3 (-119.1, 155.6) 0.795
antihypertensive drug use			
Yes	0	0	0
No	-1.1 (-90.9, 88.7) 0.981	31.9 (-36.5, 100.2) 0.361	12.0 (-41.1, 65.1) 0.658

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c; CHD history; hyperlipidemia history; age at first gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

**Table S16. Liner regression analysis between change in PWV as a continuous variable in diabetes subgroups in Model II**

Exposure	Diabetes Yes	Diabetes No	Total
Age	-5.3 (-15.6, 5.1) 0.320	-7.8 (-15.0, -0.6) 0.034	-6.2 (-12.0, -0.3) 0.038
BMI	-0.9 (-13.2, 11.5) 0.891	-0.2 (-7.6, 7.3) 0.964	-1.7 (-7.9, 4.5) 0.595
SBP	-5.9 (-8.2, -3.6) <0.001	-4.3 (-6.0, -2.5) <0.001	-5.5 (-6.9, -4.2) <0.001
DBP	5.6 (1.9, 9.2) 0.003	0.1 (-3.3, 3.4) 0.964	4.4 (2.3, 6.5) <0.001
TG	-19.1 (-91.3, 53.1) 0.604	46.3 (-10.0, 102.7) 0.108	6.5 (-35.6, 48.6) 0.763
GGT	-1.7 (-3.8, 0.5) 0.127	0.1 (-1.2, 1.4) 0.861	-0.6 (-1.7, 0.6) 0.337
LDL_C	-104.8 (-317.3, 107.7) 0.334	114.3 (-65.2, 293.8) 0.212	-10.1 (-141.4, 121.1) 0.880
HDL_C	-61.4 (-285.1, 162.3) 0.591	104.0 (-65.6, 273.6) 0.230	0.8 (-128.1, 129.7) 0.990
FBG	-8.3 (-34.2, 17.7) 0.532	-21.4 (-74.2, 31.3) 0.426	-8.2 (-28.2, 11.8) 0.422
PBG	4.8 (-6.3, 15.8) 0.401	10.9 (-4.9, 26.7) 0.176	6.5 (-1.5, 14.6) 0.112
HbA1c	-9.1 (-55.1, 37.0) 0.700	-61.5 (-139.5, 16.5) 0.123	-16.6 (-51.7, 18.5) 0.355
The number of childbirths			
1	0	0	0
2	105.1 (-6.1, 216.3) 0.065	11.1 (-58.9, 81.2) 0.755	49.1 (-9.5, 107.6) 0.101
3	118.1 (-48.5, 284.7) 0.166	45.2 (-65.8, 156.2) 0.425	76.3 (-14.1, 166.7) 0.098
CHD history			
Yes	0	0	0
No	-47.1 (-143.0, 48.8) 0.336	-29.5 (-103.5, 44.5) 0.435	-51.5 (-108.3, 5.3) 0.076
hyperlipidemia history			
Yes	0	0	0
No	-10.3 (-91.7, 71.0) 0.803	5.7 (-47.5, 59.0) 0.833	-10.8 (-54.4, 32.9) 0.629
age at first gestation	1.3 (-8.9, 11.6) 0.799	-1.7 (-8.7, 5.3) 0.636	0.4 (-5.2, 6.1) 0.885
age at menopause	-0.1 (-3.4, 3.2) 0.941	-0.9 (-3.8, 2.0) 0.545	-0.4 (-2.5, 1.6) 0.680
number of pregnancies			
0	0	0	0

1	0	0	0
2	-22.7 (-167.9, 122.6) 0.760	13.0 (-59.1, 85.1) 0.724	-3.4 (-69.3, 62.4) 0.919
3	-98.6 (-248.8, 51.5) 0.199	0.4 (-76.6, 77.3) 0.993	-39.3 (-108.4, 29.8) 0.265
4	-68.8 (-238.5, 100.9) 0.427	30.0 (-62.2, 122.3) 0.524	-14.2 (-95.4, 67.0) 0.732
5	-7.8 (-214.1, 198.6) 0.941	28.5 (-100.8, 157.8) 0.666	10.6 (-95.8, 116.9) 0.846
6	-15.6 (-318.9, 287.6) 0.920	-24.0 (-277.7, 229.7) 0.853	-10.1 (-192.9, 172.7) 0.914
8	-312.1 (-744.8, 120.5) 0.158	0	-280.0 (-640.4, 80.5) 0.128
smoking status			
No	0	0	0
Occasional smokers	151.8 (-156.0, 459.6) 0.334	-58.3 (-313.0, 196.4) 0.654	93.9 (-93.8, 281.6) 0.327
Regular smokers	56.7 (-283.4, 396.8) 0.744	86.7 (-67.6, 241.0) 0.271	34.6 (-104.8, 174.0) 0.627
drinking status			
No	0	0	0
Occasional drinkers	-81.4 (-240.0, 77.2) 0.315	11.8 (-71.6, 95.1) 0.782	-11.3 (-85.8, 63.2) 0.766
Regular drinkers	25.9 (-239.1, 290.8) 0.848	-11.2 (-182.7, 160.4) 0.898	-3.9 (-143.6, 135.8) 0.956
antihypertensive drug use			
Yes	0	0	0
No	-9.1 (-101.8, 83.6) 0.848	37.6 (-31.7, 107.0) 0.288	8.2 (-45.6, 62.0) 0.765
TC	82.3 (-112.8, 277.4) 0.409	-110.7 (-277.5, 56.1) 0.194	-0.5 (-121.6, 120.6) 0.993
HDCP			
Yes	0	0	0
No	116.4 (-13.2, 246.0) 0.079	-35.8 (-129.3, 57.8) 0.454	46.4 (-28.1, 121.0) 0.223
GDM			
Yes	0	0	0
No	417.5 (-384.2, 1219.1) 0.308	-112.8 (-522.2, 296.5) 0.589	51.5 (-311.9, 415.0) 0.781
Occupation			
Worker	0	0	0
Farmer	44.1 (-830.9, 919.2) 0.921	0	38.6 (-527.2, 604.5) 0.894
Cadre	-65.8 (-950.5, 818.9) 0.884	0	61.5 (-691.7, 814.8) 0.873
Office and technical personnel, doctor, teacher	-312.1 (-1038.1, 413.8) 0.400	28.6 (-460.2, 517.4) 0.909	-14.7 (-513.0, 483.6) 0.954
Service worker	0	0	0
Housewife	-331.4 (-892.5, 229.8) 0.248	-147.0 (-604.2, 310.2) 0.529	-195.2 (-656.9, 266.6) 0.408
Unemployed	-249.3 (-762.5, 264.0) 0.342	-164.1 (-579.0, 250.8) 0.439	-143.8 (-582.5, 294.8) 0.521
Other	-206.6 (-840.4, 427.2) 0.523	-189.6 (-698.3, 319.1) 0.465	-154.8 (-644.7, 335.1) 0.536
Education			
Illiterate	0	0	0
Primary school	29.5 (-167.0, 226.0) 0.769	100.7 (-51.9, 253.3) 0.196	41.0 (-75.5, 157.6) 0.490
Junior high school	-9.1 (-205.0, 186.9) 0.928	77.6 (-69.4, 224.7) 0.301	11.7 (-102.7, 126.1) 0.841
Senior high school	8.5 (-198.7, 215.7) 0.936	57.3 (-91.8, 206.5) 0.451	7.1 (-111.0, 125.2) 0.906
College	-0.4 (-216.8, 216.0) 0.997	58.8 (-93.8, 211.3) 0.451	1.2 (-120.0, 122.5) 0.984

Marriage status					
Married	0		0		0
Widowed	0		0		0
Separated	60.1 (-64.6, 184.8)	0.345	-8.0 (-86.2, 70.2)	0.841	24.6 (-41.2, 90.4) 0.464
Divorced	0		-258.9 (-844.5, 326.6)	0.386	-312.4 (-936.1, 311.4) 0.327

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)

Exposure	N	%	Non-adjusted	Adjust I	Adjust II
			OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value	OR (95%CI) <i>P</i> -value

#### PWV (cm/s) Category

The number of childbirths					
1	527	24.1	1.0	1.0	1.0
2	383	26.4	1.2 (0.9, 1.6) 0.282	1.4 (0.9, 2.2) 0.107	1.4 (0.9, 2.2) 0.124
≥3	249	25.7	1.2 (0.8, 1.7) 0.395	1.6 (0.8, 3.1) 0.189	1.6 (0.8, 3.1) 0.195
P for trend			0.346	0.179	0.177

#### Continuous PWV (cm/s)

The number of childbirths					
1	527	24.1	0	0	0
2	383	26.4	-3.5 (-45.9, 38.9) 0.872	52.5 (-5.3, 110.3) 0.076	55.0 (-3.9, 113.8) 0.067
≥3	249	25.7	-30.7 (-79.4, 18.1) 0.218	81.7 (-7.0, 170.5) 0.071	83.5 (-7.1, 174.1) 0.071
P for trend			0.256	0.058	0.056

Non-adjusted model adjusted for nothing

Adjusted model I adjusted for age; BMI; SBP; DBP; TG; GGT; LDL-C; HDL-C; FBG; PBG; HbA1c ; CHD history; hyperlipidemia history; age at first

gestation; age at menopause; number of pregnancies; smoking status; drinking status; antihypertensive drug use; hypoglycemic drug use

Adjusted model II adjusted for adjusted model I + TC; hypertensive disorder complicating pregnancy (HDCP); gestational diabetes mellitus (GDM)