

**SUPPLEMENTARY DATA**

**LIST OF SUPPLEMENTAL MATERIALS**

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## SUPPLEMENTARY DATA

**Supplementary Table S1. Estimated diabetes cases among the Chinese population in 2010**

	Population Census 2010*	Total Diabetes		Prediabetes	
		Prevalence (%) **	Events	Prevalence (%) **	Events
<b>Male</b>					
20-29	114845611	2.6	2985986	7.6	8728266
30-39	109912926	5.2	5715472	12.2	13409377
40-49	117385096	11.1	13029746	17.7	20777162
50-59	81446172	15.5	12624157	18.1	14741757
60-69	50582897	18.1	9155504	24.1	12190478
≥70	36457064	21.8	7947640	26.4	9624665
<b>Female</b>					
20-29	113580759	1.2	1362969	5.7	6474103
30-39	105251236	3.0	3157537	9.2	9683114
40-49	112963421	7.3	8246330	16.0	18074147
50-59	78619473	13.1	10299151	21.1	16588709
60-69	49197667	20.3	9987126	22.2	10921882
≥70	41356812	22.0	9098499	26.2	10835485
<b>Total</b>					
	1011599134		93610117		152049146

\* Tabulation on the 2010 Population Census of the People's Republic of China.  
<http://www.stats.gov.cn/tjsj/pcsj/rkpc/6rp/indexch.htm> (Accessed at May 28 2016);

\*\* Yang W et al. Prevalence of Diabetes among Men and Women in China. N Eng J Med 2010; 362: 1090-1101







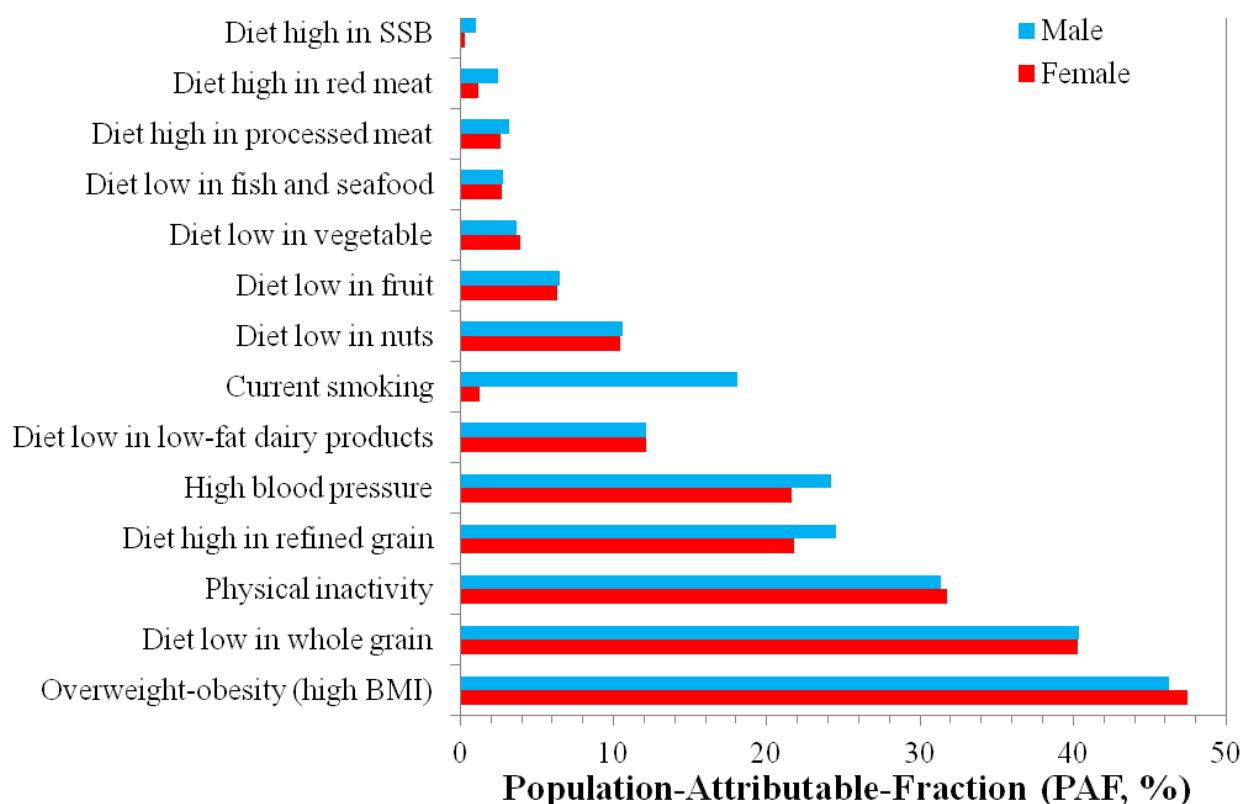
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<i>P</i> for trend*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<b>Fish and seafood, g/d</b>												
1997	16.2 (1.0)	18.8 (1.1)	19.1 (1.1)	15.8 (1.1)	18.4 (1.5)	15.1 (1.5)	16.3 (1.0)	17.8 (0.9)	15.7 (0.8)	13.5 (0.9)	17.2 (1.3)	14.8 (1.3)
2000	14.2 (0.9)	19.7 (1.2)	17.7 (1.0)	19.6 (1.2)	17.1 (1.4)	14.7 (1.4)	14.8 (0.9)	17.9 (1.0)	16.4 (0.9)	17.4 (1.1)	14.4 (0.9)	14.1 (1.4)
2004	18.3 (1.4)	18.2 (1.1)	20.7 (1.1)	21.2 (1.2)	18.4 (1.4)	21.0 (1.8)	17.9 (1.5)	17.6 (1.0)	18.2 (1.0)	19.0 (1.1)	15.4 (1.1)	14.1 (1.1)
2006	18.1 (2.2)	20.2 (1.3)	26.2 (1.4)	23.9 (1.2)	20.3 (1.4)	23.3 (1.9)	20.5 (1.8)	18.8 (1.0)	22.8 (1.2)	21.0 (1.3)	20.0 (1.4)	17.7 (1.3)
2009	24.0 (1.8)	27.1 (1.8)	26.4 (1.3)	27.4 (1.3)	24.9 (1.4)	19.7 (1.4)	24.3 (2.0)	25.0 (1.4)	21.9 (1.0)	23.1 (1.1)	21.6 (1.4)	15.5 (1.1)
2011	30.0 (2.7)	32.3 (2.2)	33.8 (1.7)	36.9 (1.9)	30.0 (1.8)	28.4 (2.1)	30.1 (2.4)	34.5 (2.3)	27.2 (1.3)	29.8 (1.4)	27.6 (1.6)	24.3 (1.5)
<i>P</i> for trend*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

\* To quantify time trends of the risk factors, the general linear mixed regression models was applied by including the year of each wave as a scored trend variable, the models also adjusted urban/rural area, educational level, occupation, and provinces besides the subgroup variable; A strict Bonferroni correction was applied to adjust for multiple comparisons; a *P* value <0.001 was considered.

## SUPPLEMENTARY DATA

**Supplemental Figure S1. Population-Attributable-Fraction (%) of individual risk factors on risk of type 2 diabetes in 2011 by sex**



## SUPPLEMENTARY DATA

### Supplementary Text. list of references for Table 1

Sources	References
Hartemink N et al. Am J Epidemiol 2006	Hartemink, N., et al., <i>Combining risk estimates from observational studies with different exposure cutpoints: a meta-analysis on body mass index and diabetes type 2</i> . Am J Epidemiol, 2006. <b>163</b> (11): p. 1042-52.
Smith A et al Diabetologia 2016	Smith, A.D., et al., <i>Physical activity and incident type 2 diabetes mellitus: a systematic review and dose-response meta-analysis of prospective cohort studies</i> . Diabetologia, 2016. <b>59</b> (12): p. 2527-2545.
Emdin C et al. J Am Coll Cardiol 2015	<i>Usual Blood Pressure and Risk of New-Onset Diabetes: Evidence From 4.1 Million Adults and a Meta-Analysis of Prospective Studies</i> . J Am Coll Cardiol, 2015. <b>66</b> (14): p. 1552-62.
Pan A et al. Lancet Diabetes Endocrinol 2015	<i>Relation of active, passive, and quitting smoking with incident type 2 diabetes: a systematic review and meta-analysis</i> . Lancet Diabetes Endocrinol, 2015. <b>3</b> (12): p. 958-67.
Imamura F et al. BMJ 2015	<i>Consumption of sugar sweetened beverages, artificially sweetened beverages, and fruit juice and incidence of type 2 diabetes: systematic review, meta-analysis, and estimation of population attributable fraction</i> . BMJ, 2015. <b>351</b> : p. h3576.
Pan A et al. Am J Clin Nutr 2011	Pan A et al. Red meat consumption and risk of type 2 diabetes: 3 cohorts of US adults and an updated meta-analysis. Am J Clin Nutr. 2011; <b>94</b> (4): p. 1088-96.
Hu EA et al. BMJ 2012	<i>White rice consumption and risk of type 2 diabetes: meta-analysis and systematic review</i> . BMJ, 2012. <b>344</b> : p. e1454.
Aune D et al. Eur J Epidemiol 2013	<i>Whole grain and refined grain consumption and the risk of type 2 diabetes: a systematic review and dose-response meta-analysis of cohort studies</i> . Eur J Epidemiol, 2013. <b>28</b> (11): p. 845-58.
Tong X et al. Eur J Clin Nutr 2011	<i>Dairy consumption and risk of type 2 diabetes mellitus: a meta-analysis of cohort studies</i> . Eur J Clin Nutr, 2011. <b>65</b> (9): p. 1027-31.
Wang P et al J Diabetes Investig 2016	<i>Higher intake of fruits, vegetables or their fiber reduces the risk of type 2 diabetes: A meta-analysis</i> . J Diabetes Investig, 2016. <b>7</b> (1): p. 56-69.
Wang P et al J Diabetes Investig 2016	<i>Higher intake of fruits, vegetables or their fiber reduces the risk of type 2 diabetes: A meta-analysis</i> . J Diabetes Investig, 2016. <b>7</b> (1): p. 56-69.
Afshin A et al. Am J Clin Nutr 2014	<i>Consumption of nuts and legumes and risk of incident ischemic heart disease, stroke, and diabetes: a systematic review and meta-analysis</i> . Am J Clin Nutr, 2014. <b>100</b> (1): p. 278-88.
Wu J et al. (Asia) Bri J Nutr 2012	<i>Omega-3 fatty acids and incident type 2 diabetes: a systematic review and meta-analysis</i> . Br J Nutr, 2012. <b>107 Suppl 2</b> : p. S214-27.