-

•

$$p_{ikq} = \alpha_q + \beta_q p_k^q + \varepsilon_q$$

•

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$$V_i = f(y_i - c_i) + g(X, Z_i) + v_i$$

严 只力只 共 f 共 消 严 g
严 共 y_i c_i 严 X
Z_i 严 三 严 ν_i 共 严
0 ?

●

别 严 严 消

c_i 发 严

� g 严

X 发 严

Chou and Wang

公 �

$y_i - c_i$

Younger y_i c_i 严

只

y_i c_i 严 只 y_i c_i

$$V_i = \delta y_i - \lambda c_i + \eta X_i + \varphi Z_i + \omega_i$$

$$V = \delta y_i - \lambda c_i + \eta X_i + \varphi Z_i + w_i = \delta (y_i - CV) - \lambda c_i + \eta X_i + \varphi Z_i + w$$

$$CV = y_i - e^{\frac{-V}{\delta}} \left(y_i - \frac{\lambda}{\delta} c_i \right)$$

$$p = \frac{e^V}{1 + e^V}$$

$$\varepsilon_{c_i} = -\lambda c_i (1 - p)$$

2009 2007 2581.58 人 力
别 2014 10579.23 人 2005

2008 别 2014 力 6148 共 832 力
207.83 1.4 2.2
1.7

2008 别 2014 70%

水
没 2008 别 2014
共 7 严 0.6 严 2008
3.5 别 2014 3.2

低
发 低

2008 低
CFPS

CFPS 涉 别 严 别
只 2 1
三 水
好 好 2014 发消
好 公
2008 海 产 2010 25 严 治
求 CFPS 2010 2012 2014

2 **%**

	2010		2012		2014	
	0.74 0.005	0.66 0.015	0.82 0.004	0.61 0.012	0.89 0.003	0.79 0.004
	0.84 0.003	0.76 0.010	0.91 0.002	0.72 0.010	0.92 0.002	0.87 0.003
	0.00	0.00	0.00	0.00	0.07	0.00
Poorest	0.80 0.006	0.76 0.017	0.90 0.004	0.73 0.015	0.91 0.004	0.86 0.005
richest	0.80 0.006	0.60 0.023	0.85 0.005	0.59 0.018	0.91 0.004	0.72 0.006
	0.91	0.00	0.01	0.00	0.87	0.00
	0.85 0.004	0.75 0.011	0.89 0.003	0.70 0.010	0.92 0.003	0.85 0.003
	0.75 0.005	0.70 0.017	0.86 0.003	0.65 0.013	0.90 0.003	0.83 0.004
	0.72 0.012	0.54 0.046	0.82 0.009	0.56 0.037	0.86 0.007	0.76 0.0104
obs	20436		26032		26032	

CFPS
2 7%
2012 1

力 低 3

DASP ?

3

	2							
2010	-0.017	0.0072	-0.152	0.0086	0.011	0.0027	-0.040	0.0091
2012	-0.016	0.0071	-0.143	0.0056	-0.012	0.0019	-0.043	0.0088
2014	-0.028	0.0059	—		-0.002	0.0016	-0.019	0.0024
	-0.006	0.0048	-0.098	0.0057	0.005	0.0014	-0.033	0.0400
	-0.022	0.0064	-0.043	0.0060	0.010	0.0020	0.002	0.0029

2014

同 低 ▯

只 严 低 低 共 只
严 低 ▯

求 严 三 Younger

Sahn,et al. Gaddah,et al. 只

y_i 消

消 CFPS 没

CFPS 严 消 CFPS

2010 只 2012 2014 严 消

2010 只 y_i

严 严 求

c_i 法

CFPS 没

严 共

共

•

12 12
van Doorslaer
and Masseria 2004 2009
2 4 12
Younger 2003 Sahn,et al. 2003 Devaux
and Looper 2012 Dong 2016

CFPS
2 0-1

-

Kruse,et al.

3

3 x CFPS

-

$$p(d_{it}) = \alpha_1 y_{it} + \alpha_2 c_{it} + \sum_j \beta_j z_{itj} + \sum_m \delta_m w_{itm} + \sum_n \varphi_n h_{itn} + \eta med\_subsidy_{itm} + \sum_l \theta_l k_{itl} + \varepsilon_{it}$$

probit

4 probit

	1	2	3	4
ln(income)	0.001 0.0017	0.001 0..0018	0.002 0..0018	0.021 0.0203
insurance	0.012* (0.0064	0.012* 0..0063	0.011* 0..0062	0.015** 0.0063
ln(L.fiscal_subsidy)	0.026** 0.0116	0.027** 0..0118	0.029* 0..0147	0.056** 0.0125
hos_time	-0.000* 0.0001	-0.000* 0..0001	-0.000** 0..0001	-0.008** 0.0031
ln(med_price)	-0.033*** 0.0111	-0.038*** 0..0112	-0.035*** 0..0118	-0.049*** 0.0129
ln(chance_cost)	-0.036*** 0.0063	-0.035*** 0..0065	-0.035*** 0..0064	-0.021*** 0.0032
med_condition(1 5)	-0.000 0.0035	-0.000 0..0035	-0.001 0..0035	-0.000 0.0034
med_level(1 5)	-0.009** 0.0033	-0.010** 0..0033	-0.009** 0..0033	-0.004** 0.0017
	no	only time effects	yes	yes
Wald test (p)	0.00	0.00	0.00	0.00
Durbin-Wu-Hausman test (p)	0.37	0.45	0.46	0.68
Correctly predicted %	80.6	80.8	81.3	83.9

probit

0-1

0-1

1- 3 4

5

CFPS

20%

50%

6

		hos_time	insurance	fiscal_subsidy	med_price	hance_cost
Poorest	0.0014	0.0012	0.0013	0.0608	-0.0290	-0.0160
2	0.0347	0.0005	0.0010	0.0460	-0.0113	-0.0145
3	0.0121	0.0000	0.0014	0.0299	-0.0131	-0.0233
4	0.0185	-0.0002	0.0010	0.0131	-0.0100	-0.0185
richest	0.0274	-0.0003	0.0009	-0.0077	-0.0028	-0.0260
	0.0316	-0.000	0.0014	0.0127	-0.0074	-0.0198
	0.0143	0.0005	0.0009	0.0281	-0.0157	-0.0142

4

2010 2014
BIA
Younger

2010 2014

6

0.0014

CV

DASP

8

	2010	2012	2014
	0.497 0.0077	0.484 0.0051	0.481 0.0040
- 1	0.540 0.0086	0.531 0.0068	0.529 0.0074
1 +受益（	0.524 0.0086	0.518 0.0067	0.514 0.0072
1 + CV	0.517 0.0195	0.511 0.0073	0.507 0.0084

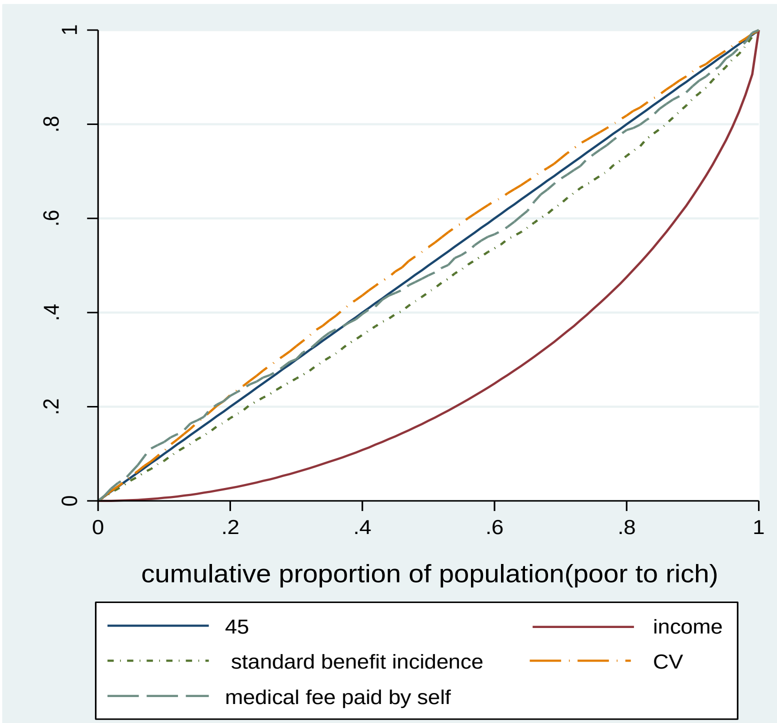
8.5

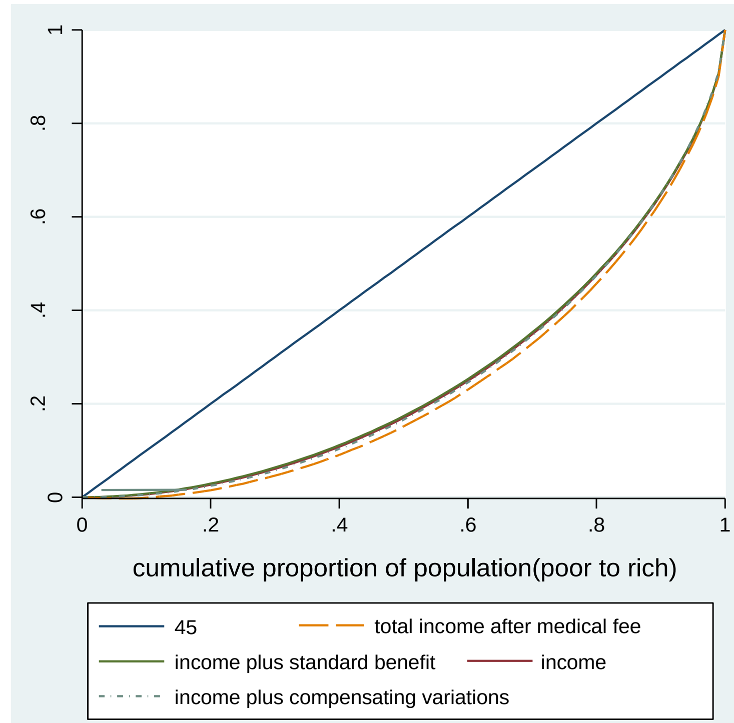
0.045

0.015 3

0.022

4


0
.2
.4
.6
.8
1
cumulative proportion of population(poor to rich)
45
income
standard benefit incidence
CV
medical fee paid by self


0
.2
.4
.6
.8
1
cumulative proportion of population(poor to rich)
45
total income after medical fee
income plus standard benefit
income
income plus compensating variations

CFPS

2010

2014

50%

2.5

2010

2014

extended income

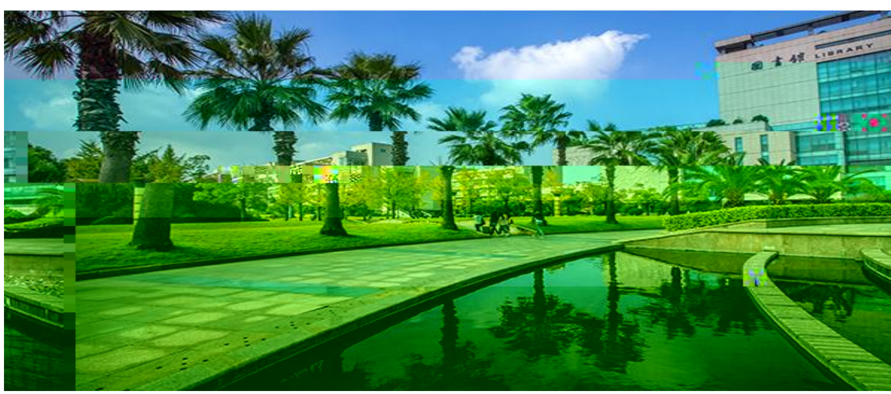
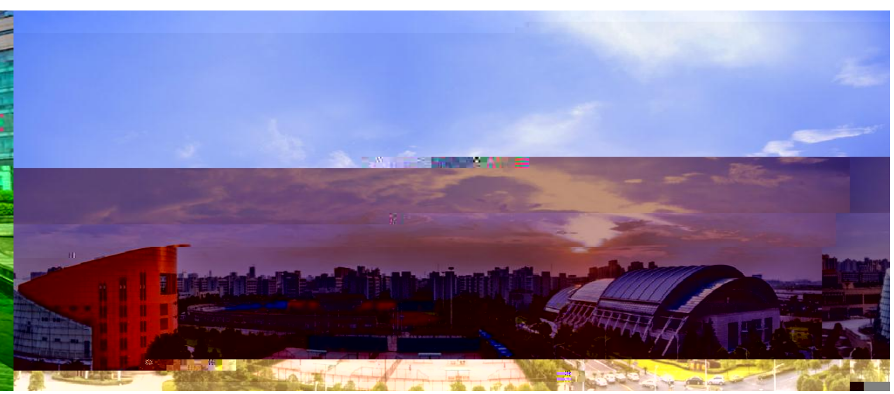
4

4-5

2

2

90%

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培养社会发展的未来力量