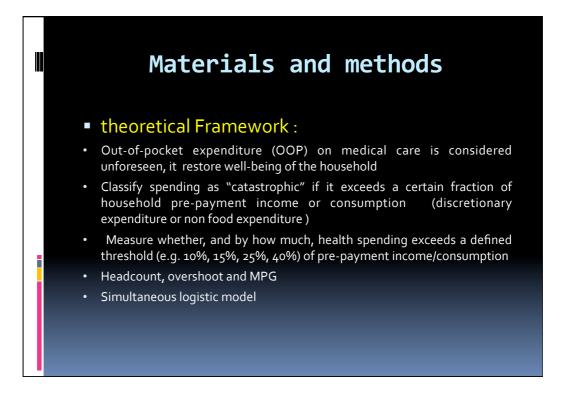
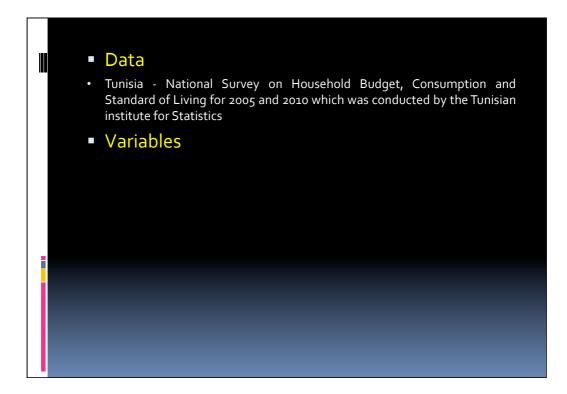
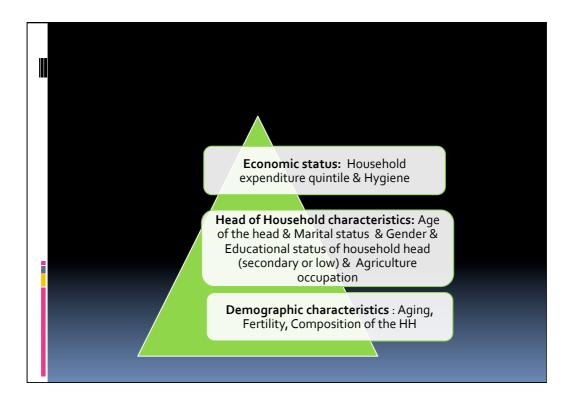


In 2007, Tunisian authorities launched a unified insurance scheme by merging several insurance plans covering different professional groups under the Social Security Fund.
Despite this efforts, the financial burden of the health care expenditure persist and Tunisian households continue to fund the largest share of total health spending (37.5% in 2010 despite a decline of 5.4% compared to 2005 (their share was estimated at 42.9%) (MPH, 2013)
Furthermore and based on Tunisia - National Survey on Household Budget, Consumption and Standard of Living for 2005 and 2010 we can notice the deep disparities between out-of-pocket spending on health in rural and urban area (Urban: 910.4 in 2005 to 1055.6 in 2010 & Rural: 549.7 in 2005 to 663.1 in 2010)
Rural households in Tunisia are characterized by paucity of their economic resources. The employment profile is dominated by the self employed and workers in the agriculture sectors.
Considering the lower socio-economic status of the rural households in Tunisia and based on previous study (Abu-Zaineh et al, 2014), our work seeks to address some of the key questions about the role of this factors to increase the likelihood of the falling of this households into catastrophic health care expenditure situation.







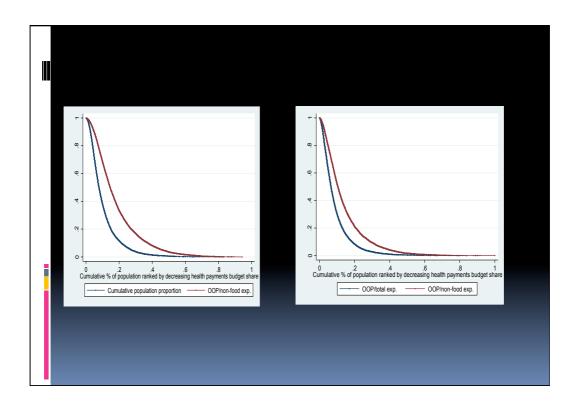


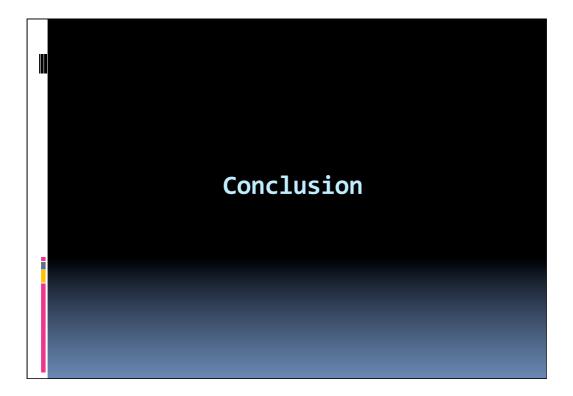
	Threshold budg	get share of total ex	penditure 2005		
	5%	10%	25%	40%	
Head count (H _{cat})% (Standard error)	63.95 (0.007)	32.83 (0.007)	6.16 (0.003)	1.28 (0.001)	
Overshoot (Gcat) (Standard error)	14.05 (0.001)	6.02 (0.001)	0.565 (0.000)	0.001 (0.002)	
Mean positive gap% (MPGcat) (Standard error)	8.3 (0.002)	9.2 (0.003)	10.8 (0.007)	12.80 (0.016)	
	Threshold budg	hold budget share of total expenditure 2010			
Head count (Hcat)% (Standard error)	54.13 (0.008)	27.58 (0.0075)	5.154 (0.0035)	1.20 (0.0016)	

CHE ≥ 10% of the total expenditure of the rural household				
	2005		2010	
Factors	β	Odds ratio	β	Odds ratio
	S	ocio-economic stat	us	
Household expenditure quintile Q2 Q3 Q4 Q5	0.488 (.173) 0.842 (.189) 0.754 (.209) 1.078 (0.255)	2.81* 4.44* 3.60* 4.22*	0.356 (0.156) 0.646 (0.028) 0.589 (0.003) 1.016 (0.000)	1.84*** 2.86** 2.21** 3.04*
Water and connection to sewage	0.415 (0.194)	2.14**	0.067 (0.000)	0.32*
	Head of	f Household charac	teristics	

		CHE ≥ 10% of the to	E \ge 10% of the total expenditure of the rural household			
		2005		2010		
	Factors	β	Odds ratio	β	Odds ratio	
	Age of the head	0.0078 (0.006)	1.24	-0.006 (0.306)	0.83	
	Marital status	0.0736 (0.319)	0.23	0.412 (0.008)	0.94	
	Gender: Female	0.0490 (0.377)	0.13**	0.207 (0.046)	0.37**	
	Educational status of household head (secondary or low)	0.8520 (0.343)	2.48**	0.526 (0.006)	1.34**	
	Agriculture occupation	0.1061 (0.144)	0.73**	0.076 (0.001)	0.46**	
		Den	nographic caracteris	stics		
1	Aging	0.178	2.60*	0.101	0.73*	

		CHE ≥ 10% of the total expenditure of the rural household				
I	Factors	β	Odds ratio	β	Odds ratio	
	Fertility	184 (0.157)	0.81*	0.022 (0.002)	0.11	
	Composition of the HH	-0.261 (0.213)	1.22*	-0.589 (0.007)	2.47	
	Constant	-2.461 (0.562)	4.37*	-1.664 (0.081)	2.46*	
		LR χ2 (13)= 277.61, Pseudo R2= 0.140 Prob > χ2= 0.0000, Hosmer– Lemeshow test χ2 (8)= 10.67		LR χ2 (13)=119.35, Pseudo R2= 0.171 Prob > χ2= 0.0000, Hosmer– Lemeshow test χ2(8)=9.73		





 Despite all efforts, Tunisian health care system appear enable to reduce the financial burden associated with ill-health episodes

- Tunisian health care system needs to be more evaluated to ensure more fair financial protection in health to the entire of the rural household compared with urban Households.
- With a domination of the self employed or employment in the agriculture sector (still marginalised), equitable access to health services is a challenge to the policy makers especially in the context of epidemiological transition
- The poor financing shemes shall be pursued to mitigate the negative impact of the ill-health episodes
- Information system is called to improve and brisk greater information sharing between the Ministry of social Affairs and the Ministry of public Health