

## ANEXO 4

### Test exogeneidad Modelo 2

Test Exogeneidad Lactancia Materna					
	Desnutrido				
	(I)	(II)	(III)	(IV)	(V)
10	-0.384 (0.894)	...	...	...	...
13	...	0.551 (0.449)	...	...	...
16	...	...	0.628 (0.336)*	...	...
19	...	...	...	0.986 (0.337)***	...
112	...	...	...	...	1.191 (0.394)***
Edad madre nacimiento	0.099 (0.088)	0.112 (0.101)	0.11 (0.1)	0.13 (0.102)	0.134 (0.103)
(edad madre nacimiento)^2	-0.002 (0.002)	-0.002 (0.002)	-0.002 (0.002)	-0.003 (0.002)	-0.003 (0.002)
Básica incompleta	0.409 (0.384)	0.52 (0.446)	0.517 (0.442)	0.606 (0.45)	0.517 (0.449)
Básica completa	-0.396 (0.42)	-0.152 (0.484)	-0.144 (0.48)	-0.043 (0.489)	-0.107 (0.489)
Media superior	0.018 (0.516)	0.003 (0.605)	0.038 (0.602)	0.097 (0.609)	0.014 (0.607)
Superior	0.37 (0.536)	0.393 (0.6)	0.526 (0.603)	0.584 (0.611)	0.512 (0.607)
Pared adobe/block	-0.323 (0.234)	-0.484 (0.247)**	-0.454 (0.248)*	-0.377 (0.251)	-0.322 (0.256)
Techo concreto	-0.111 (0.315)	0.102 (0.329)	0.073 (0.33)	0.126 (0.334)	0.17 (0.334)
Piso cemento/mosaico	-0.119 (0.258)	-0.075 (0.276)	-0.039 (0.277)	-0.079 (0.278)	-0.059 (0.279)
Agua entubada	-0.166 (0.199)	-0.085 (0.215)	-0.09 (0.215)	-0.1 (0.218)	-0.076 (0.218)
Drenaje	-0.274 (0.282)	-0.209 (0.295)	-0.161 (0.296)	-0.2 (0.298)	-0.167 (0.298)
Rural	0.863 (0.289)***	0.935 (0.312)***	0.897 (0.310)***	0.807 (0.317)**	0.806 (0.316)**
$\hat{U}_{10}$	0.037 (0.281)	...	...	...	...
$\hat{U}_{13}$	...	-0.022 (0.06)	...	...	...

$\hat{U}_{16}$	...	...	-0.063	...	...
	...	...	(0.111)	...	...
$\hat{U}_{19}$	...	...	...	-0.078	...
	...	...	...	(0.156)	...
$\hat{U}_{112}$	...	...	...	...	-0.229
	...	...	...	...	(0.186)
Constant	-1.822	-3.01	-2.979	-3.35	-3.454
	(1.276)	(1.492)**	(1.436)**	(1.456)**	(1.477)**
Observations	601	529	529	529	529
Pseudo R-squared	0.08	0.09	0.09	0.11	0.11
Standard errors in parentheses					
* significant at 10%; ** significant at 5%; *** significant at 1%					

#### Heckman Test lactancia materna

	desnutrido				
	(I)	(II)	(III)	(IV)	(V)
I0	-0.223	...	...	...	...
	(0.285)	...	...	...	...
I3	...	...	...	...	...
	...	0.414	...	...	...
I6	...	(0.439)	0.278	...	...
	...	...	(0.302)	...	...
I9	...	...	...	0.754	...
	...	...	...	(0.261)***	...
I12	...	...	...	...	0.594
	...	...	...	...	(0.240)**
edad madre nacimiento	0.125	0.115	0.112	0.132	0.137
	(0.091)	(0.101)	(0.1)	(0.102)	(0.103)
(edad madre nacimiento)^2	-0.003	-0.002	-0.002	-0.003	-0.003
	(0.002)	(0.002)	(0.002)	(0.002)	(0.002)
básica incompleta	0.519	0.5	0.521	0.609	0.497
	(0.4)	(0.443)	(0.443)	(0.45)	(0.449)
básica completa	-0.317	-0.172	-0.142	-0.038	-0.114
	(0.427)	(0.48)	(0.481)	(0.489)	(0.489)
media superior	0.026	-0.006	0.094	0.106	0.008
	(0.516)	(0.604)	(0.604)	(0.609)	(0.607)
Superior	0.467	0.371	0.571	0.584	0.489
	(0.545)	(0.599)	(0.605)	(0.61)	(0.607)
pared adobe/block	-0.288	-0.48	-0.443	-0.368	-0.299
	(0.236)	(0.248)*	(0.248)*	(0.252)	(0.257)
techo concreto	-0.153	0.098	0.047	0.12	0.176
	(0.319)	(0.329)	(0.331)	(0.334)	(0.334)
piso cemento/mosaico	-0.119	-0.073	-0.012	-0.071	-0.047

	(0.258)	(0.276)	(0.278)	(0.278)	(0.279)
agua entubada	-0.169	-0.085	-0.084	-0.1	-0.074
	(0.199)	(0.215)	(0.215)	(0.218)	(0.218)
Drenaje	-0.203	-0.204	-0.108	-0.198	-0.166
	(0.292)	(0.297)	(0.299)	(0.298)	(0.298)
Rural	0.899	0.936	0.862	0.797	0.789
	(0.292)***	(0.312)***	(0.311)***	(0.318)**	(0.317)**
$\hat{Y}_{10}$	-1.306	...	...	...	...
	(1.524)	...	...	...	...
$\hat{Y}_{13}$	...	0.251	...	...	...
	...	(0.935)	...	...	...
$\hat{Y}_{16}$	...	...	0.734	...	...
	...	...	(0.551)	...	...
$\hat{Y}_{19}$	...	...	...	0.298	...
	...	...	...	(0.451)	...
$\hat{Y}_{12}$	...	...	...	...	0.746
	...	...	...	...	(0.485)
Constant	-1.257	-3.135	-3.313	-3.426	-3.562
	(1.396)	(1.674)*	(1.463)**	(1.467)**	(1.482)**
Observations	601	529	529	529	529
Pseudos R-squared	0.08	0.09	0.09	0.11	0.11

Standard errors in parentheses  
\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%

### Test Exogeneidad Biberón

	desnutrido			
	(I)	(II)	(III)	(IV)
b3	-0.066 (0.467)			
b6		-0.615 (0.348)*		
b9			-1.302 (0.342)***	
b12				-1.089 (0.358)***
edad madre nacimiento	0.109 (0.101)	0.119 (0.1)	0.145 (0.103)	0.126 (0.103)
(edad madre nacimiento) <sup>2</sup>	-0.002 (0.002)	-0.002 (0.002)	-0.003 (0.002)	-0.003 (0.002)
básica incompleta	0.5 (0.444)	0.509 (0.444)	0.569 (0.451)	0.612 (0.449)
básica completa	-0.19 (0.481)	-0.165 (0.482)	-0.148 (0.489)	-0.135 (0.487)

media superior	-0.081 (0.6)	-0.033 (0.601)	-0.06 (0.607)	-0.013 (0.605)
superior	0.328 (0.599)	0.429 (0.603)	0.497 (0.609)	0.52 (0.608)
Pared adobe/block	-0.516 (0.249)**	-0.491 (0.248)**	-0.417 (0.248)*	-0.475 (0.248)*
Techo concreto	0.076 (0.327)	0.016 (0.331)	0.063 (0.333)	-0.01 (0.333)
Piso cemento/mosaico	-0.063 (0.277)	-0.014 (0.278)	0.071 (0.281)	0.039 (0.28)
Agua entubada	-0.052 (0.22)	0.03 (0.221)	0.154 (0.226)	0.121 (0.227)
Drenaje	-0.214 (0.295)	-0.175 (0.295)	-0.191 (0.296)	-0.14 (0.296)
Rural	0.926 (0.312)***	0.865 (0.312)***	0.835 (0.312)***	0.827 (0.313)***
$\hat{U}b_3$	-0.116 (0.224)			
$\hat{U}b_6$		0.064 (0.169)		
$\hat{U}b_9$			0.431 (0.176)**	
$\hat{U}b_{12}$				0.271 (0.168)
Constant	-2.414 (1.407)*	-2.372 (1.400)*	-2.423 (1.428)*	-2.27 (1.427)
Observations	529	529	529	529
Pseudo R-squared	0.09	0.09	0.11	0.1

Standard errors in parentheses  
\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%

#### Heckman Test Biberón

	desnutrido			
	(I)	(II)	(III)	(IV)
b3	-0.317 (0.255)	...	...	...
b6	...	-0.572 (0.265)**	...	...
b9	...	...	-0.298 (0.267)	...
b12	...	...	...	-0.446 (0.245)*
edad madre nacimiento	0.112 (0.102)	0.115 (0.1)	0.139 (0.103)	0.125 (0.103)
(edad madre nacimiento)^2	-0.002	-0.002	-0.003	-0.003

	(0.002)	(0.002)	(0.002)	(0.002)
básica incompleta	0.497	0.495	0.588	0.624
	(0.445)	(0.445)	(0.45)	(0.45)
básica completa	-0.193	-0.192	-0.135	-0.124
	(0.483)	(0.484)	(0.488)	(0.486)
media superior	-0.079	-0.07	-0.033	0.006
	(0.601)	(0.602)	(0.605)	(0.605)
Superior	0.326	0.373	0.501	0.53
	(0.599)	(0.605)	(0.608)	(0.609)
pared adobe/block	-0.511	-0.51	-0.427	-0.482
	(0.249)**	(0.249)**	(0.249)*	(0.248)*
techo concreto	0.075	0.04	0.061	-0.015
	(0.327)	(0.33)	(0.332)	(0.333)
piso cemento/mosaico	-0.061	-0.021	0.051	0.035
	(0.276)	(0.278)	(0.28)	(0.281)
agua entubada	-0.046	0.002	0.126	0.106
	(0.221)	(0.222)	(0.226)	(0.227)
Drenaje	-0.212	-0.188	-0.172	-0.131
	(0.296)	(0.296)	(0.296)	(0.297)
Rural	0.926	0.892	0.856	0.837
	(0.313)***	(0.313)***	(0.312)***	(0.313)***
$\hat{Y}_{b3}$	0.182	...	...	...
	(0.55)	...	...	...
$\hat{Y}_{b6}$	...	0.182	...	...
	...	(0.475)	...	...
$\hat{Y}_{b9}$	...	...	-0.885	...
	...	...	(0.460)*	...
$\hat{Y}_{b12}$	...	...	...	-0.599
	...	...	...	(0.457)
Constant	-2.436	-2.386	-2.412	-2.284
	(1.407)*	(1.400)*	(1.425)*	(1.426)
Observations	529	529	529	529
Pseudo R-squared	0.09	0.09	0.1	0.1

Standard errors in parentheses

\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%

Test Exogeneidad Sólidos

	desnutrido		
	(I)	(II)	(III)
s3	-0.059 (0.795)	... ...	... ...
s6	... ...	-0.835 (0.78)	... ...
s9	... ...	... ...	-1.927 (0.875)**
edad madre nacimiento	0.108 (0.103)	0.13 (0.103)	0.127 (0.104)
(edad madre nacimiento)^2	-0.002 (0.002)	-0.003 (0.002)	-0.003 (0.002)
básica incompleta	0.498 (0.448)	0.582 (0.454)	0.595 (0.454)
básica completa	-0.172 (0.49)	-0.044 (0.498)	0.001 (0.495)
media superior	-0.08 (0.614)	0.063 (0.617)	0.184 (0.618)
Superior	0.379 (0.599)	0.571 (0.634)	0.626 (0.619)
pared adobe/block	-0.506 (0.246)**	-0.512 (0.247)**	-0.565 (0.249)**
techo concreto	0.104 (0.333)	0.006 (0.341)	0.005 (0.333)
piso cemento/mosaico	-0.071 (0.276)	-0.069 (0.275)	0.096 (0.287)
agua entubada	-0.08 (0.218)	-0.107 (0.216)	-0.112 (0.216)
Drenaje	-0.234 (0.3)	-0.252 (0.293)	-0.399 (0.304)
Rural	0.945 (0.312)***	0.892 (0.312)***	0.836 (0.314)***
$\hat{U}_{s_3}$	-0.141 (0.351)	... ...	... ...
$\hat{U}_{s_6}$	... ...	0.22 (0.304)	... ...
$\hat{U}_{s_9}$	... ...	... ...	0.389 (0.259)
Constant	-2.373 (1.409)*	-2.004 (1.45)	-0.892 (1.559)
Observations	529	529	529
Pseudo R-squared	0.09	0.09	0.09

Standard errors in parentheses

\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%

Heckman Test sólidos

	desnutrido		
	(I)	(II)	(III)
s3	-0.382 (0.224)*	...	...
s6	...	-0.231 (0.283)	...
s9	...	...	-0.531 (0.417)
edad madre nacimiento	0.109 (0.104)	0.146 (0.104)	0.136 (0.103)
(edad madre nacimiento)^2	-0.002 (0.002)	-0.003 (0.002)	-0.003 (0.002)
básica incompleta	0.494 (0.452)	0.673 (0.461)	0.715 (0.462)
básica completa	-0.173 (0.493)	0.067 (0.506)	0.164 (0.508)
media superior	-0.081 (0.621)	0.224 (0.632)	0.477 (0.644)
Superior	0.378 (0.599)	0.747 (0.649)	0.944 (0.649)
pared adobe/block	-0.506 (0.246)**	-0.529 (0.247)**	-0.597 (0.250)**
techo concreto	0.102 (0.336)	-0.103 (0.355)	-0.165 (0.348)
piso cemento/mosaico	-0.073 (0.276)	-0.066 (0.275)	0.279 (0.306)
agua entubada	-0.081 (0.22)	-0.111 (0.216)	-0.16 (0.219)
Drenaje	-0.237 (0.301)	-0.244 (0.293)	-0.524 (0.313)*
Rural	0.943 (0.312)***	0.862 (0.312)***	0.716 (0.321)**
$\hat{Y}_{s_3}$	0.335 (0.971)	...	...
$\hat{Y}_{s_6}$	...	-1.327 (0.977)	...
$\hat{Y}_{s_9}$	...	...	-3.281 (1.449)**
Constant	-2.382 (1.409)*	-1.675 (1.468)	0.656 (1.791)
Observations	529	529	529
Pseudo R-squared	0.09	0.09	0.1

Standard errors in parentheses

\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%