Supplementary Table 1. Baseline sociodemographic characteristics of HOME Study women at pregnancy and at 12, 24, 36 and 48 months after delivery accompanied with their children sex.

Age group (years) ^a under 25 93 (24.2) 67 (19.9) 50 (17.9) 45 (17.4) 36 (19.25-29) 109 (28.4) 97 (28.9) 79 (28.2) 80 (31.0) 59 (31.30-34) 30-34 120 (31.3) 115 (34.2) 106 (37.9) 90 (34.9) 61 (32.35 and over 62 (16.2) 57 (17.0) 45 (16.1) 43 (16.7) 31 (16.56 and over) Race/ethnicity ^a Non-Hispanic white 238 (62.0) 226 (67.3) 197 (70.4) 183 (70.9) 128 (68.56 and over) Non-Hispanic black 121 (31.5) 89 (26.5) 66 (23.6) 58 (22.5) 47 (25.56 and over) Level of education ^a Less than high school/high school 95 (24.7) 67 (19.9) 50 (17.9) 49 (19.0) 34 (18.56 and over) College 191 (49.7) 184 (54.8) 164 (58.6) 149 (57.8) 104 (55.6) Employment ^b Not working 74 (19.3) 74 (22.0) Working 1310 (80.7) 262 (78.0) Living with partner Yes 300 (78.1) 273 (81.3) 234 (83.6) 218 (84.5) 155 (82.56 and over) No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.56 and over) Income (\$\frac{4}{3}\text{year}\) Until 25,000 0 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80.56 and over) Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)		Pregnancy	12 months	24 months	36 months	48 months
Age group (years) ^a under 25 25-29 109 (28.4) 97 (28.9) 79 (28.2) 80 (31.0) 59 (31.3) 30-34 35 and over 62 (16.2) 57 (17.0) 45 (16.1) 43 (16.7) 31 (16.7) Race/ethnicity ^a Non-Hispanic white 238 (62.0) 226 (67.3) 197 (70.4) 183 (70.9) 128 (68.2) Non-Hispanic black 121 (31.5) 89 (26.5) 66 (23.6) 58 (22.5) 47 (25.6) Cither 25 (6.5) 21 (6.3) 17 (6.1) 17 (6.6) 12 (6.4) Level of education ^a Less than high school/high school Some college 98 (25.5) 85 (25.3) 66 (23.6) 60 (23.3) 49 (26.6) College 191 (49.7) 184 (54.8) 164 (58.6) 149 (57.8) 104 (55.8) Living with partner Yes 300 (78.1) 273 (81.3) 234 (83.6) 218 (84.5) 155 (82.5) No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.1) Income (\$/year) Until 25,000 282 (73.4) 264 (79.3) 299 (82.7) 209 (81.6) 149 (80.4	n					
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Non-Hispanic white 238 (62.0) 226 (67.3) 197 (70.4) 183 (70.9) 128 (68 Non-Hispanic black 121 (31.5) 89 (26.5) 66 (23.6) 58 (22.5) 47 (25.5) Other 25 (6.5) 21 (6.3) 17 (6.1) 17 (6.6) 12 (6.4 Level of education ^a Less than high school/high school 95 (24.7) 67 (19.9) 50 (17.9) 49 (19.0) 34 (18.5 Some college 98 (25.5) 85 (25.3) 66 (23.6) 60 (23.3) 49 (26.5 College 191 (49.7) 184 (54.8) 164 (58.6) 149 (57.8) 104 (55.5 Employment ^b Not working 74 (19.3) 74 (22.0) Working 310 (80.7) 262 (78.0) Living with partner Yes 300 (78.1) 273 (81.3) 234 (83.6) 218 (84.5) 155 (82.5 No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.5 Income (\$/year) Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.5 Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80.5 Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)		62 (16.2)	57 (17.0)	45 (16.1)	43 (16.7)	31 (16.6)
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Employment ^b Not working 74 (19.3) 74 (22.0) Working 310 (80.7) 262 (78.0) Living with partner Yes 300 (78.1) 273 (81.3) 234 (83.6) 218 (84.5) 155 (82.1) No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.1) Income (\$/year) Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.1) Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80.1) Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Some college	98 (25.5)	85 (25.3)	66 (23.6)	60 (23.3)	49 (26.2)
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Working 310 (80.7) 262 (78.0) Living with partner Yes 300 (78.1) 273 (81.3) 234 (83.6) 218 (84.5) 155 (82 No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.6) Income (\$/year) Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.6) Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80 Health insurance) Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Employment ^b					
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No 84 (21.9) 63 (18.8) 46 (16.4) 40 (15.5) 32 (17.1) Income (\$/year) Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.1) Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80.1) Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Living with partner					
Income (\$/year) Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.0) Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80.0) Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Yes	300 (78.1)	273 (81.3)	234 (83.6)	218 (84.5)	155 (82.9)
Until 25,000 102 (26.6) 69 (20.7) 48 (17.3) 47 (18.4) 37 (19.0 Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80 Health insurance Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	No	84 (21.9)	63 (18.8)	46 (16.4)	40 (15.5)	32 (17.1)
Over 25,000 282 (73.4) 264 (79.3) 229 (82.7) 209 (81.6) 149 (80 Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Income (\$/year)					
Health insurance ^b Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Until 25,000	102 (26.6)	69 (20.7)	48 (17.3)	47 (18.4)	37 (19.9)
Public 102 (26.6) 87 (25.9) 59 (21.1) 57 (22.1)	Over 25,000	282 (73.4)	264 (79.3)	229 (82.7)	209 (81.6)	149 (80.1)
	Health insurance ^b					
Private 272 (70.8) 245 (72.9) 216 (77.1) 198 (76.7)	Public	102 (26.6)	87 (25.9)	59 (21.1)	57 (22.1)	
272 (70.0) 210 (71.1) 100 (70.1)	Private	272 (70.8)	245 (72.9)	216 (77.1)	198 (76.7)	
None 10 (2.6) 4 (1.2) 5 (1.8) 3 (1.2)	None	10 (2.6)	4 (1.2)	5 (1.8)	3 (1.2)	
Child ^c	Child ^c					
n 384 (100.0) 336 (87.5) 280 (72.9) 258 (67.2) 187 (48	n	384 (100.0)	336 (87.5)	280 (72.9)	258 (67.2)	187 (48.7)
Male 178 (46.4) 151 (44.9) 129 (46.1) 119 (46.1) 78 (41.	Male	178 (46.4)	151 (44.9)	129 (46.1)	119 (46.1)	78 (41.7)
Female 206 (53.7) 185 (55.1) 151 (53.9) 139 (53.9) 109 (58	Female	206 (53.7)	185 (55.1)	151 (53.9)	139 (53.9)	109 (58.3)
Child ^d			•	, ,	, ,	. ,
n 280 (100.0) 270 (96.4) 197 (70.4) 196 (70.0) 150 (53	n	280 (100.0)	270 (96.4)	197 (70.4)	196 (70.0)	150 (53.6)
		130 (46.4)	122 (45.2)	90 (45.7)	86 (43.9)	65 (43.3)
						85 (56.7)

n, number of observations.

Unchanged sociodemographic characteristics obtained at baseline and further adjusted to the distribution of mothers remaining at each time period of the HOME Study.

Data not available at all the time periods.

Child with maternal self-reported data.

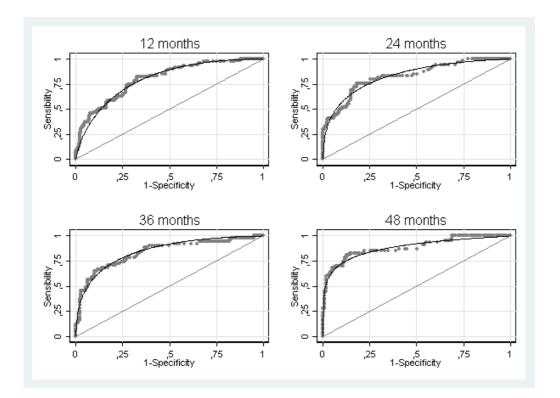
Child with both maternal self-reported data and serum cotinine measures.

Supplementary Table 2. Prevalence of maternal tobacco consumption and exposure to SHS during pregnancy and at 12, 24, 36 and 48 months among participants with maternal-reported data and among participants with both maternal-reported data and cotinine measures.

	Pregnancy	12 months	24 months	36 months	48 months				
Participants with self-reported dat	а								
n	384	336	280	258	187				
Mother active smoker	48 (12.5%)	35 (10.4%)	26 (9.3%)	23 (8.9%)	23 (12.3%)				
Mother/Child Exposed to SHS	59 (15.4%)	55 (16.4%)	50 (17.9%)	41 (15.9%)	36 (19.3%)				
Mother/Child Unexposed to SHS	277 (72.1%)	246 (73.2%)	204 (72.9%)	194 (75.2%)	128 (68.5%)				
Participants with both self-reported data and cotinine measures									
n	280	270	197	196	150				
Mother active smoker	34 (12.1%)	25 (9.3%)	17 (8.6%)	22 (11.2%)	21 (14.0%)				
Mother/Child Exposed to SHS	41 (14.6%)	47 (17.4%)	37 (18.8%)	29 (14.8%)	26 (17.3%)				
Mother/Child Unexposed to SHS	205 (73.2%)	198 (73.3%)	143 (72.6%)	145 (74.0%)	103 (68.7%)				

SHS, secondhand tobacco smoke; n, number of observations.

Supplementary Figure 1. Receiver operating characteristic curves, empirical and binormal, for child's serum cotinine concentrations and maternal-reported SHS exposure at each age.



Supplementary Figure 1. Sensitivity is represented on the y-axis and the complementary of specificity (1-specificity), which is the ratio of false positives, on the x-axis. The area under receiver operating characteristic curves was above 0.80 at all times. This value reflects the excellent diagnostic ability of the serum cotinine to classify SHS exposure among the participating children.