

ONLINE APPENDIX TABLES

Table B1, Part 1: The Effect of Male and Female Predicted Employment Growth Rates on Child Health - Age 0-5

	General Measures of Child Health			Specific Child Health Outcomes			
	Model 1	Model 2	Model 3	Model 1	Model 2	Model 3	
<u>Dependent Variable: Costly Conditions Index</u>				<u>Dependent Variable: Asthma</u>			
Predicted Male	0.003	0.013	0.034	Predicted Male	-0.242	-0.265	-0.332
Employment Growth	(0.026)	(0.027)	(0.036)	Employment Growth	(0.401)	(0.394)	(0.401)
Predicted Female	0.049	0.040	0.006	Predicted Female	1.048	0.877	1.243*
Employment Growth	(0.041)	(0.040)	(0.053)	Employment Growth	(0.718)	(0.727)	(0.730)
<u>Dependent Variable: Fair/Poor Health</u>				<u>Dependent Variable: Ear Infections</u>			
Predicted Male	-0.192	-0.148	-0.100	Predicted Male	0.294	0.0161	0.105
Employment Growth	(0.181)	(0.180)	(0.165)	Employment Growth	(0.583)	(0.573)	(0.595)
Predicted Female	0.337	0.294	0.256	Predicted Female	0.589	0.812	0.888
Employment Growth	(0.233)	(0.238)	(0.237)	Employment Growth	(1.168)	(1.127)	(1.090)
<u>Dependent Variable: Excellent Health</u>				<u>Dependent Variable: Severe Emotional Difficulties</u>			
Predicted Male	1.041	1.396	1.417	Predicted Male	0.182	0.355	-0.081
Employment Growth	(1.096)	(1.089)	(1.148)	Employment Growth	(0.293)	(0.237)	(0.377)
Predicted Female	-1.583	-2.021	-2.432	Predicted Female	-0.181	-0.328	-0.545
Employment Growth	(1.464)	(1.412)	(1.455)	Employment Growth	(0.616)	(0.534)	(0.891)
				<u>Dependent Variable: Injuries</u>			
				Predicted Male	-0.244	-0.230	-0.169
				Employment Growth	(0.149)	(0.155)	(0.195)
				Predicted Female	-0.0329	-0.0572	-0.121
				Employment Growth	(0.278)	(0.274)	(0.309)
State and Age-Year FE	Yes	Yes	Yes	State and Age-Year FE	Yes	Yes	Yes
State-Year Controls	No	Yes	Yes	State-Year Controls	No	Yes	Yes
State Trends	No	No	Yes	State Trends	No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Information on the days that a child misses the school due to illness is not available for children under 5. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * p<0.10, ** p<0.05, *** p<0.01.

Table B1, Part 2: The Effect of Male and Female Predicted Employment Growth Rates on Child Health -
Age 6-17

	General Measures of Child Health			Specific Child Health Outcomes			
	Model 1	Model 2	Model 3	Model 1	Model 2	Model 3	
<u>Dependent Variable: Costly Conditions Index</u>				<u>Dependent Variable: Asthma</u>			
Predicted Male	-0.017**	-0.016*	-0.006	Predicted Male	-0.589	-0.724*	-0.694*
Employment Growth	(0.008)	(0.009)	(0.013)	Employment Growth	(0.364)	(0.372)	(0.393)
Predicted Female	0.004	0.003	-0.007	Predicted Female	0.335	0.135	0.0984
Employment Growth	(0.012)	(0.013)	(0.018)	Employment Growth	(0.559)	(0.577)	(0.587)
<u>Dependent Variable: Fair/Poor Health</u>				<u>Dependent Variable: Ear Infections</u>			
Predicted Male	-0.232	-0.310*	-0.195	Predicted Male	-0.149	-0.297	-0.164
Employment Growth	(0.123)	(0.116)	(0.120)	Employment Growth	(0.307)	(0.301)	(0.313)
Predicted Female	0.204	0.246	0.196	Predicted Female	-0.145	0.005	-0.112
Employment Growth	(0.232)	(0.223)	(0.248)	Employment Growth	(0.441)	(0.447)	(0.452)
<u>Dependent Variable: Excellent Health</u>				<u>Dependent Variable: Severe Emotional Difficulties</u>			
Predicted Male	0.254	0.594	0.799	Predicted Male	-0.096	-0.126	-0.070
Employment Growth	(0.785)	(0.794)	(0.855)	Employment Growth	(0.142)	(0.169)	(0.200)
Predicted Female	-1.352	-1.230	-1.426	Predicted Female	0.186	0.185	0.264
Employment Growth	(1.057)	(1.074)	(1.126)	Employment Growth	(0.259)	(0.272)	(0.305)
<u>Dependent Variable: Sick Days</u>				<u>Dependent Variable: Injuries</u>			
Predicted Male	-0.082	-0.104	-0.146	Predicted Male	-0.0743	-0.220	-0.222
Employment Growth	(0.108)	(0.105)	(0.118)	Employment Growth	(0.303)	(0.138)	(0.147)
Predicted Female	0.116	0.083	0.162	Predicted Female	-0.235	0.139	0.144
Employment Growth	(0.156)	(0.169)	(0.169)	Employment Growth	(0.400)	(0.193)	(0.207)
State and Age-Year FE	Yes	Yes	Yes	State and Age-Year FE	Yes	Yes	Yes
State-Year Controls	No	Yes	Yes	State-Year Controls	No	Yes	Yes
State Trends	No	No	Yes	State Trends	No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * p<0.10, ** p<0.05, *** p<0.01.

Table B2, Part 1: The Effect of Male and Female Predicted Employment Growth Rates on Child Health -
 Mother's Education: High School or Less

	General Measures of Child Health			Specific Child Health Outcomes			
	Model 1	Model 2	Model 3	Model 1	Model 2	Model 3	
<u>Dependent Variable: Costly Conditions Index</u>				<u>Dependent Variable: Asthma</u>			
Predicted Male	-0.020	-0.016	-0.007	Predicted Male	-0.349	-0.457	-0.502
Employment Growth	(0.016)	(0.016)	(0.017)	Employment Growth	(0.410)	(0.442)	(0.478)
Predicted Female	0.040**	0.036*	0.033	Predicted Female	0.931	0.831	1.084
Employment Growth	(0.019)	(0.019)	(0.023)	Employment Growth	(0.633)	(0.710)	(0.697)
<u>Dependent Variable: Fair/Poor Health</u>				<u>Dependent Variable: Ear Infections</u>			
Predicted Male	-0.190	-0.262	-0.146	Predicted Male	-0.0477	-0.161	-0.283
Employment Growth	(0.259)	(0.236)	(0.274)	Employment Growth	(0.463)	(0.491)	(0.600)
Predicted Female	0.141	0.258	0.109	Predicted Female	0.284	0.445	0.606
Employment Growth	(0.417)	(0.406)	(0.481)	Employment Growth	(0.763)	(0.790)	(0.779)
<u>Dependent Variable: Excellent Health</u>				<u>Dependent Variable: Severe Emotional Difficulties</u>			
Predicted Male	0.916	1.259	1.065	Predicted Male	0.115	0.129	-0.258
Employment Growth	(0.983)	(1.067)	(1.234)	Employment Growth	(0.321)	(0.341)	(0.379)
Predicted Female	-3.335**	-3.388**	-3.710**	Predicted Female	0.358	0.333	0.451
Employment Growth	(1.513)	(1.571)	(1.546)	Employment Growth	(0.513)	(0.534)	(0.618)
<u>Dependent Variable: Sick Days</u>				<u>Dependent Variable: Injuries</u>			
Predicted Male	-0.018	-0.021	0.113	Predicted Male	-0.368	-0.386	-0.322
Employment Growth	(0.198)	(0.203)	(0.214)	Employment Growth	(0.237)	(0.258)	(0.300)
Predicted Female	0.095	0.069	-0.015	Predicted Female	0.655**	0.649**	0.583**
Employment Growth	(0.243)	(0.260)	(0.256)	Employment Growth	(0.279)	(0.291)	(0.287)
State and Age-Year FE	Yes	Yes	Yes	State and Age-Year FE	Yes	Yes	Yes
State-Year Controls	No	Yes	Yes	State-Year Controls	No	Yes	Yes
State Trends	No	No	Yes	State Trends	No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * p<0.10, ** p<0.05, *** p<0.01.

Table B2, Part 2: The Effect of Male and Female Predicted Employment Growth Rates on Child Health -
 Mother's Education: College Degree

	General Measures of Child Health			Specific Child Health Outcomes			
	Model 1	Model 2	Model 3	Model 1	Model 2	Model 3	
<u>Dependent Variable: Costly Conditions Index</u>				<u>Dependent Variable: Asthma</u>			
Predicted Male	0.00006	0.0006	0.0143	Predicted Male	-0.269	-0.399	-0.432
Employment Growth	(0.009)	(0.0105)	(0.0177)	Employment Growth	(0.277)	(0.298)	(0.388)
Predicted Female	-0.0223	-0.0236	-0.0431*	Predicted Female	-0.191	-0.359	-0.262
Employment Growth	(0.0151)	(0.0155)	(0.0235)	Employment Growth	(0.543)	(0.533)	(0.609)
<u>Dependent Variable: Fair/Poor Health</u>				<u>Dependent Variable: Ear Infections</u>			
Predicted Male	-0.072	-0.062	0.018	Predicted Male	0.0466	-0.0107	0.122
Employment Growth	(0.107)	(0.120)	(0.137)	Employment Growth	(0.526)	(0.535)	(0.652)
Predicted Female	0.332*	0.304*	0.361*	Predicted Female	-0.127	0.0122	-0.236
Employment Growth	(0.178)	(0.181)	(0.181)	Employment Growth	(0.798)	(0.806)	(0.886)
<u>Dependent Variable: Excellent Health</u>				<u>Dependent Variable: Severe Emotional Difficulties</u>			
Predicted Male	-0.161	0.007	-0.127	Predicted Male	-0.049	-0.058	0.216
Employment Growth	(1.100)	(1.150)	(1.241)	Employment Growth	(0.177)	(0.215)	(0.279)
Predicted Female	-0.018	0.035	0.229	Predicted Female	0.126	0.09	0.039
Employment Growth	(1.108)	(1.124)	(1.181)	Employment Growth	(0.290)	(0.284)	(0.381)
<u>Dependent Variable: Sick Days</u>				<u>Dependent Variable: Injuries</u>			
Predicted Male	-0.061	-0.086	-0.188	Predicted Male	-0.129	-0.122	0.117
Employment Growth	(0.156)	(0.167)	(0.224)	Employment Growth	(0.149)	(0.155)	(0.202)
Predicted Female	-0.025	-0.042	0.126	Predicted Female	-0.474*	-0.533**	-0.683**
Employment Growth	(0.181)	(0.180)	(0.216)	Employment Growth	(0.256)	(0.251)	(0.316)
State and Age-Year FE	Yes	Yes	Yes	State and Age-Year FE	Yes	Yes	Yes
State-Year Controls	No	Yes	Yes	State-Year Controls	No	Yes	Yes
State Trends	No	No	Yes	State Trends	No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * p<0.10, ** p<0.05, *** p<0.01.

Table B3, Part 1: The Effect of the Unemployment Rate on Child Health -
6 Month Average

Outcome	Dependent Variable	Model 1	Model 2	Model 3
	Mean			
General Measures of Child Health				
<u>Costly Conditions Index</u> <i>N = 105574</i>	-0.002	0.006** (0.002)	0.006* (0.003)	0.004 (0.003)
<u>Fair/Poor Health</u> <i>N = 409983</i>	1.840	0.052 (0.033)	0.049 (0.040)	0.013 (0.051)
<u>Excellent Health</u> <i>N = 409983</i>	54.960	-0.378 (0.313)	-0.400 (0.281)	-0.530 (0.410)
<u>Sick Days from School</u> <i>N = 134191</i>	3.522	0.019 (0.030)	0.026 (0.035)	0.040 (0.048)
Specific Child Health Outcomes				
<u>Asthma Attack in 12 months</u> <i>N = 194000</i>	5.474	0.063 (0.087)	0.078 (0.086)	-0.026 (0.108)
<u>Ear Infections</u> <i>N = 193102</i>	6.111	0.044 (0.094)	0.133 (0.097)	0.050 (0.132)
<u>Severe Emotional Difficulties</u> <i>N = 105681</i>	1.210	0.127** (0.041)	0.118** (0.052)	0.137** (0.060)
<u>Number of Injuries</u> <i>N = 410959</i>	2.292	0.128** (0.041)	0.101** (0.042)	0.0898 (0.057)
State and Age-Year FE		Yes	Yes	Yes
State-Year Controls		No	Yes	Yes
State Trends		No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. State monthly unemployment rates are from the Bureau of Labor Statistics. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year.
* p<0.10, ** p<0.05, *** p<0.01.

Table B3, Part 2: The Effect of the Unemployment Rate on Child Health –
Month of Interview

Outcome	Dependent Variable Mean	Model 1	Model 2	Model 3
General Measures of Child Health				
<u>Costly Conditions Index</u> <i>N = 105574</i>	-0.002	0.005** (0.002)	0.005 (0.003)	0.004 (0.003)
<u>Fair/Poor Health</u> <i>N = 409983</i>	1.840	0.050 (0.033)	0.047 (0.040)	0.011 (0.046)
<u>Excellent Health</u> <i>N = 409983</i>	54.960	-0.325 (0.302)	-0.335 (0.275)	-0.407 (0.378)
<u>Sick Days from School</u> <i>N = 134191</i>	3.522	0.006 (0.029)	0.010 (0.033)	0.014 (0.051)
Specific Child Health Outcomes				
<u>Asthma Attack in 12 months</u> <i>N = 194000</i>	5.474	0.085 (0.090)	0.111 (0.087)	0.035 (0.109)
<u>Ear Infections</u> <i>N = 193102</i>	6.111	0.030 (0.092)	0.110 (0.094)	0.007 (0.135)
<u>Severe Emotional Difficulties</u> <i>N = 105681</i>	1.210	0.105** (0.042)	0.088* (0.049)	0.097* (0.056)
<u>Number of Injuries</u> <i>N = 410959</i>	2.292	0.121** (0.036)	0.092** (0.038)	0.077 (0.048)
State and Age-Year FE		Yes	Yes	Yes
State-Year Controls		No	Yes	Yes
State Trends		No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. State monthly unemployment rates are from the Bureau of Labor Statistics. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year.
* p<0.10, ** p<0.05, *** p<0.01.

Table B3, Part 3: The Effect of the Unemployment Rate on Child Health -
Sample Restricted to Children in the Child Survey

Outcome	Dependent Variable Mean	Model 1	Model 2	Model 3
General Measures of Child Health				
<u>Costly Conditions Index</u> <i>N = 105574</i>	-0.002	0.006** (0.002)	0.006* (0.003)	0.005 (0.004)
<u>Fair/Poor Health</u> <i>N = 193972</i>	1.894	0.057 (0.051)	0.012 (0.059)	-0.102 (0.085)
<u>Excellent Health</u> <i>N = 193972</i>	55.46	-0.371 (0.378)	-0.324 (0.336)	-0.474 (0.483)
<u>Sick Days from School</u> <i>N = 134191</i>	3.522	0.027 (0.033)	0.037 (0.039)	0.058 (0.048)
Specific Child Health Outcomes				
<u>Asthma Attack in 12 months</u> <i>N = 194000</i>	5.474	0.072 (0.082)	0.084 (0.087)	-0.033 (0.111)
<u>Ear Infections</u> <i>N = 193102</i>	6.111	0.030 (0.099)	0.122 (0.101)	0.0352 (0.132)
<u>Severe Emotional Difficulties</u> <i>N = 105681</i>	1.210	0.131** (0.042)	0.124** (0.057)	0.139* (0.072)
<u>Number of Injuries</u> <i>N = 194047</i>	2.390	0.215*** (0.059)	0.217** (0.071)	0.237** (0.089)
State and Age-Year FE		Yes	Yes	Yes
State-Year Controls		No	Yes	Yes
State Trends		No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. State monthly unemployment rates are from the Bureau of Labor Statistics. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year.
* p<0.10, ** p<0.05, *** p<0.01.

Table B4: The Effect of the Predicted Employment Growth Rate on Child Health -
Sample Restricted to Children in the Child Survey

Outcome	Dependent Variable	Model 1	Model 2	Model 3
	Mean			
General Measures of Child Health				
<u>Costly Conditions Index</u> <i>N = 105574</i>	-0.002	0.0002 (0.004)	0.0004 (0.004)	0.0011 (0.004)
<u>Fair/Poor Health</u> <i>N = 193972</i>	1.894	0.146* (0.073)	0.140* (0.074)	0.159** (0.075)
<u>Excellent Health</u> <i>N = 193972</i>	55.46	-0.446 (0.343)	-0.378 (0.351)	-0.396 (0.350)
<u>Sick Days from School</u> <i>N = 134191</i>	3.522	0.042 (0.039)	0.037 (0.039)	0.036 (0.039)
Specific Child Health Outcomes				
<u>Asthma Attack in 12 months</u> <i>N = 194000</i>	5.474	-0.123 (0.139)	-0.154 (0.140)	-0.134 (0.140)
<u>Ear Infections</u> <i>N = 193102</i>	6.111	0.062 (0.169)	0.048 (0.163)	0.064 (0.160)
<u>Severe Emotional Difficulties</u> <i>N = 105681</i>	1.210	0.110 (0.080)	0.109 (0.080)	0.116 (0.082)
<u>Number of Injuries</u> <i>N = 194047</i>	2.390	-0.028 (0.107)	-0.023 (0.107)	-0.014 (0.106)
State and Age-Year FE		Yes	Yes	Yes
State-Year Controls		No	Yes	Yes
State Trends		No	No	Yes

Notes: Here, unlike in Table 2, an increase in the explanatory variable represents *improvement* in economic conditions rather than deterioration. Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table B5: The Effect of Male and Female Predicted Employment Growth Rates on Child Health -
Sample Restricted to Children in the Child Survey

	General Measures of Child Health			Specific Child Health Outcomes			
	Model 1	Model 2	Model 3	Model 1	Model 2	Model 3	
<u>Dependent Variable: Costly Conditions Index</u>				<u>Dependent Variable: Asthma</u>			
Predicted Male	-0.009**	-0.009**	-0.008*	Predicted Male	-0.265*	0.282**	-0.269*
Employment Growth	(0.004)	(0.004)	(0.004)	Employment Growth	(0.139)	(0.140)	(0.138)
Predicted Female	0.015**	0.015**	0.012**	Predicted Female	0.236	0.221	0.225
Employment Growth	(0.005)	(0.005)	(0.006)	Employment Growth	(0.167)	(0.166)	(0.159)
<u>Dependent Variable: Fair/Poor Health</u>				<u>Dependent Variable: Ear Infections</u>			
Predicted Male	-0.061	-0.069	-0.034	Predicted Male	-0.050	-0.092	-0.069
Employment Growth	(0.057)	(0.059)	(0.058)	Employment Growth	(0.149)	(0.143)	(0.140)
Predicted Female	0.278**	0.282**	0.251**	Predicted Female	0.154	0.198	0.182
Employment Growth	(0.090)	(0.089)	(0.088)	Employment Growth	(0.198)	(0.196)	(0.194)
<u>Dependent Variable: Excellent Health</u>				<u>Dependent Variable: Severe Emotional Difficulties</u>			
Predicted Male	-0.0009	0.0814	0.116	Predicted Male	-0.023	-0.023	-0.020
Employment Growth	(0.386)	(0.409)	(0.428)	Employment Growth	(0.084)	(0.086)	(0.090)
Predicted Female	-0.576	-0.610	-0.678	Predicted Female	0.176*	0.175*	0.176
Employment Growth	(0.395)	(0.431)	(0.460)	Employment Growth	(0.102)	(0.104)	(0.108)
<u>Dependent Variable: Sick Days</u>				<u>Dependent Variable: Injuries</u>			
Predicted Male	-0.049	-0.053	-0.062	Predicted Male	-0.163**	-0.160*	-0.131
Employment Growth	(0.042)	(0.045)	(0.043)	Employment Growth	(0.081)	(0.081)	(0.081)
Predicted Female	0.126*	0.125*	0.137**	Predicted Female	0.208*	0.208*	0.176
Employment Growth	(0.067)	(0.071)	(0.067)	Employment Growth	(0.106)	(0.108)	(0.106)
State and Age-Year FE	Yes	Yes	Yes	State and Age-Year FE	Yes	Yes	Yes
State-Year Controls	No	Yes	Yes	State-Year Controls	No	Yes	Yes
State Trends	No	No	Yes	State Trends	No	No	Yes

Notes: Standard errors (in parentheses) are clustered at the state level. Health data are from the 1997-2012 Person and Child Files of the National Health Interview Survey. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State control variables include the state average home price, the number of births, the fraction of the population in each of three education groups, and the fraction of the population in each of three race groups in a given year. * p<0.10, ** p<0.05, *** p<0.01.

Table B6: Correlations Between Male and Female Predicted Employment Growth Rates and Parents' Drinking and Smoking Behavior

	Mother		Father	
	Any Smoking	Heavy Drinking	Any Smoking	Heavy Drinking
Predicted Male Employment Growth	0.635* (0.363)	0.071 (0.217)	0.524 (0.532)	-0.425 (0.674)
Predicted Female Employment Growth	-0.460 (0.415)	-0.139 (0.299)	-0.235 (0.693)	0.524 (0.724)
Sample Mean	21.37	3.58	22.56	13.61

Notes: Standard errors (in parentheses) are clustered at the state level. Data on parent health behaviors are from the sample adult file which randomly samples one adult from each household to ask detailed questions on their health and health behaviors. *Any Smoking* is an indicator variable equal to one if the parent reports any or some smoking. *Heavy Drinking* is the number of Days the parent reports having five or more drinks in the past year. Sample sizes for these outcomes range from 159207 to 64361. Labor demand indices, described in detail in Section IV, are created using data from the decennial Census and Current Population Surveys. State-year control variables include state average home prices, number of births, fraction of the population in each of three education groups, and fraction of the population in a given race group in a year. Estimated models include state and year fixed effects. * p<0.10, ** p<0.05, *** p<0.01.