Policy Complementarity or Substitution? The Joint Employment Effects of Active Labor Market Policy and Early Childhood Education and Care

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SUPPLEMENTAL MATERIAL

Table S1. Descriptive statistics for macro indicators by country year

Country	Year	ALMP spending % GDP (adjusted for % unemployed)	ECEC spending % GDP (adjusted for % children	Unemployment rate (20-64)	GDP growth rate	Dependency ratio	Social protection spending % GDP	Family cash transfers % GDP	Paid maternity and parental leave, weeks
Austria	2004	0.116	0.059	5.1	2.74	23.54	16.33	2.54	138
	2005	0.117	0.058	5.2	2.24	23.88	16.11	2.46	138
	2006	0.141	0.059	4.9	3.45	24.34	15.42	2.35	138
	2007	0.145	0.060	4.5	3.73	24.86	15.06	2.21	138
	2008	0.171	0.065	3.8	1.46	25.40	15.34	2.25	73
	2009	0.163	0.080	5.0	-3.76	25.91	16.31	2.37	73
	2010	0.178	0.096	4.6	1.84	26.37	16.03	2.32	60
	2011	0.170	0.095	4.3	2.92	26.78	15.42	2.07	60
	2012	0.154	0.100	4.7	0.68	27.13	15.61	2.00	60
	2013	0.149	0.104	5.1	0.03	27.46	15.65	1.99	60
	2014	0.144	0.109	5.5	0.66	27.78	15.60	1.93	60
	2015	0.133	0.110	5.6	1.01	28.10	15.73	1.95	60
	2016	0.132	0.113	5.8	1.99	28.26	15.80	1.92	60
	2017	0.148	0.110	5.3	2.26	28.37	15.48	1.89	60
	2018	0.161	0.108	4.7	2.50	28.49	15.21	1.83	60
	2019	0.164	0.112	4.3	1.49	28.66	15.25	1.77	60
Belgium	2004	0.077	0.112	8.2	3.57	26.35	17.45	1.71	28
	2005	0.079	0.111	8.2	2.32	26.37	17.34	1.68	28
	2006	0.079	0.112	8.0	2.55	26.40	17.05	1.67	28
	2007	0.090	0.110	7.2	3.68	26.34	16.94	1.71	28
	2008	0.102	0.113	6.8	0.45	26.25	17.87	1.71	28
	2009	0.096	0.114	7.7	-2.02	26.23	19.41	1.82	28
	2010	0.090	0.117	8.0	2.86	26.35	19.10	1.78	28
	2011	0.105	0.116	6.9	1.69	26.56	19.10	1.80	28
	2012	0.096	0.125	7.4	0.74	26.87	18.75	1.83	32.33
	2013	0.087	0.131	8.3	0.46	27.26	18.81	1.83	32.33
	2014	0.088	0.141	8.4	1.58	27.64	18.65	1.82	32.33
	2015	0.084	0.140	8.4	2.04	27.97	17.59	1.76	32.33
	2016	0.093	0.145	7.7	1.27	28.43	17.07	1.72	32.33
	2017	0.125	0.144	7.0	1.62	28.87	16.32	1.72	32.33
	2018	0.155	0.148	5.8	1.82	29.29	15.99	1.69	32.33
	2019	0.175	0.150	5.2	2.15	29.73	16.08	1.66	32.33
Czech Rep.	2005	0.030	0.069	7.6	6.60	19.72	10.76	1.46	214
	2006	0.034	0.068	6.9	6.77	19.99	10.55	1.41	214
	2007	0.046	0.063	5.2	5.57	20.34	10.36	1.71	214
	2008	0.051	0.065	4.3	2.69	20.78	10.26	1.74	110
	2009	0.042	0.075	6.5	-4.66	21.32	11.44	1.77	110
	2010	0.044	0.072	7.1	2.43	21.96	11.00	1.77	110
	2011	0.040	0.070	6.5	1.76	22.82	10.85	1.60	110
	2012	0.036	0.077	6.8	-0.79	23.78	10.83	1.64	110
	2013	0.043	0.082	6.8	-0.05	24.81	10.65	1.61	110
	2014	0.060	0.085	6.0	2.26	25.87	10.38	1.51	110
	2015	0.085	0.082	5.0	5.39	26.90	9.94	1.48	110
	2016	0.092	0.078	3.9	2.54	27.95	9.93	1.47	110
	2017	0.110	0.084	2.8	5.17	28.95	9.75	1.45	110
	2018	0.141	0.088	2.2	3.20	29.88	9.93	1.51	63.36
	2019	0.140	0.091	2.0	3.03	30.71	9.93	1.43	62.3
Denmark	2003	0.320	0.225	5.2	0.39	22.53	16.15	1.59	50
	2004	0.299	0.217	5.4	2.67	22.68	16.16	1.57	50
	2005	0.299	0.218	4.6	2.34	22.92	16.11	1.51	50

	2006	0.376	0.223	3.5	3.91	23.32	15.25	1.45	50
	2007	0.334	0.230	3.4	0.91	23.78	16.99	1.49	50
	2008	0.391	0.230	3.1	-0.51	24.30	17.02	1.49	50
	2009	0.254	0.243	5.8	-4.91	24.87	19.39	1.62	50
	2010	0.266	0.233	7.1	1.87	25.49	19.04	1.56	50
	2011	0.270	0.260	7.0	1.34	26.14	18.29	1.50	50
	2012	0.253	0.264	7.2	0.23	26.93	18.47	1.42	50
	2013	0.263	0.263	6.9	0.93	27.87	18.72	1.40	50
	2014	0.295	0.259	6.5	1.62	28.84	18.29	1.38	50
	2015	0.321	0.252	6.0	2.34	29.71	17.95	1.35	50
	2016	0.341	0.251	5.6	3.25	30.36	17.50	1.35	50
	2017	0.346	0.245	5.3	2.82	30.79	17.20	1.31	50
	2018	0.371	0.242	4.8	1.99	31.09	16.56	1.29	50
	2019	0.373	0.236	4.7	2.11	31.38	16.31	1.27	50
Estonia	2004	0.006	0.048	9.6	6.80	24.32	7.21	1.55	166
	2005	0.009	0.053	7.9	9.53	24.61	6.78	1.41	166
	2006	0.012	0.050	5.7	9.77	24.99	6.48	1.37	166
	2007	0.011	0.050	4.4	7.58	25.26	6.59	1.29	166
	2008	0.013	0.069	5.2	-5.13	25.47	8.06	1.65	166
	2009	0.017	0.062	13.3	-14.63	25.71	10.43	2.13	166
	2010	0.013	0.060	16.7	2.44	26.02	9.44	2.13	166
	2011	0.018	0.054	12.2	7.26	26.50	8.36	1.85	166
	2012	0.028	0.057	10.0	3.23	27.05	7.88	1.64	166
	2013	0.027	0.050	8.6	1.46	27.65	7.88	1.57	166
	2014	0.026	0.123	7.3	3.01	28.29	7.52	1.55	166
	2015	0.033	0.137	6.3	1.85	28.94	8.24	1.99	166
	2016	0.043	0.144	6.9	3.16	29.41	8.73	2.09	166
	2017	0.071	0.143	5.8	5.79	29.96	8.32	2.02	166
	2018	0.090	0.150	5.2	4.13	30.66	8.64	2.28	166
	2019	0.117	0.161	4.4	4.10	31.46	8.63	2.32	166
Finland	2004	0.110	0.162	8.1	3.99	23.74	15.63	1.55	159
	2005	0.108	0.166	7.7	2.78	24.05	15.47	1.53	159
	2006	0.119	0.163	7.0	4.03	24.32	15.19	1.50	159
	2007	0.131	0.160	6.1	5.30	24.55	14.43	1.43	159
	2008	0.134	0.167	5.6	0.78	24.83	14.94	1.41	159
	2009	0.112	0.186	7.4	-8.07	25.29	17.14	1.59	159
	2010	0.125	0.185	7.6	3.19	26.01	16.92	1.57	159
	2011	0.132	0.187	7.1	2.55	26.96	16.42	1.50	159
	2012	0.135	0.195	7.0	-1.40	28.14	16.87	1.52	159
	2013	0.128	0.198	7.5	-0.90	29.45	17.33	1.51	161.03
	2014	0.126	0.197	8.0	-0.36	30.76	17.60	1.49	161.03
	2015	0.108	0.204	8.8	0.54	31.95	17.33	1.40	161.03
	2016	0.114	0.206	8.2	2.81	33.07	16.86	1.33	161.03
	2017	0.116	0.203	8.1	3.19	34.06	15.80	1.23	161.03
	2018	0.133	0.217	6.8	1.14	34.96	15.40	1.16	161.03
	2019	0.144	0.233	6.1	1.22	35.80	15.19	1.11	161.03
France	2004	0.119	0.202	8.1	2.83	25.26	17.77	1.37	42
	2005	0.112	0.193	8.1	1.66	25.33	17.89	1.35	42
	2006	0.115	0.172	8.0	2.45	25.40	17.92	1.69	42
	2007	0.124	0.177	7.3	2.42	25.43	17.50	1.63	42
	2008	0.121	0.180	6.7	0.25	25.48	17.68	1.60	42
	2009	0.115	0.194	8.3	-2.87	25.66	18.94	1.70	42
	2010	0.126	0.196	8.5	1.95	26.06	18.72	1.61	42
	2011	0.105	0.196	8.5	2.19	26.62	18.69	1.56	42
	2012	0.096	0.202	9.0	0.31	27.37	19.30	1.58	42
	2013	0.091	0.214	9.6	0.58	28.27	19.22	1.58	42
	2014	0.098	0.216	9.6	0.96	29.20	19.35	1.57	42
	2015	0.096	0.219	9.7	1.11	30.08	19.25	1.50	42
	2016	0.103	0.222	9.4	1.10	30.87	19.12	1.46	42
	2017	0.103	0.227	8.8	2.29	31.61	19.08	1.42	42
	2018	0.090	0.226	8.4	1.87	32.31	19.06	1.39	42
	2019	0.090	0.226	7.9	1.84	32.99	18.93	1.34	42
Germany	2015	0.139	0.145	4.6	1.49	32.36	18.94	1.13	58
	2016	0.153	0.147	4.1	2.23	32.55	19.13	1.10	58
	2017	0.179	0.149	3.7	2.68	32.79	19.06	1.08	58
	2018	0.207	0.152	3.3	1.09	33.06	19.11	1.09	58
	2019	0.193	0.159	3.1	1.06	33.36	19.35	1.08	58
Greece	2010	0.018	0.007	12.7	-5.48	29.11	13.83	0.91	43
	2011	0.006	0.009	17.8	-10.15	29.59	13.85	0.94	43
	2012	0.004	0.064	24.3	-7.09	30.20	13.18	0.85	43
	2013	0.008	0.070	27.3	-2.52	30.89	12.15	0.98	43
	2014	0.012	0.074	26.4	0.48	31.58	11.34	1.01	43
	2015	0.009	0.074	24.9	-0.20	32.22	10.63	0.93	43

	2016	0.008	0.073	23.5	-0.49	32.75	11.30	0.92	43
	2017	0.009	0.069	21.4	1.09	33.23	11.30	1.32	43
	2018	0.011	0.073	19.3	1.67	33.69	11.06	1.53	43
	2019	0.021	0.078	17.3	1.80	34.20	10.90	1.40	43
Hungary	2005	0.046	0.142	7.0	4.30	22.68	12.70	1.79	160
	2006	0.046	0.140	7.3	3.95	22.84	13.00	2.07	160
	2007	0.047	0.129	7.3	0.28	23.01	12.84	2.13	160
	2008	0.045	0.130	7.7	1.01	23.16	12.73	2.16	160
	2009	0.047	0.131	9.9	-6.60	23.25	12.80	2.27	160
	2010	0.056	0.132	11.1	1.08	23.31	12.23	2.19	160
	2011	0.043	0.128	11.0	1.86	23.72	11.30	2.05	160
	2012	0.069	0.130	10.9	-1.26	24.10	10.13	2.00	160
	2013	0.087	0.133	10.0	1.81	24.50	9.71	1.89	160
	2014	0.126	0.150	7.6	4.22	25.00	9.05	1.73	160
	2015	0.130	0.155	6.7	3.70	25.66	9.01	1.57	160
	2016	0.182	0.156	5.0	2.19	26.62	8.87	1.55	160
	2017	0.210	0.145	4.0	4.27	27.71	8.68	1.50	160
	2018	0.176	0.139	3.6	5.36	28.84	8.70	1.41	160
	2019	0.175	0.138	3.3	4.55	29.90	8.26	1.36	160
Iceland	2004	0.034	0.150	2.5	7.80	17.84	14.54	1.36	26
	2005	0.039	0.160	2.1	6.12	17.89	13.79	1.22	26
	2006	0.041	0.186	2.0	6.32	17.78	13.13	1.15	26
	2007	0.028	0.209	1.6	8.45	17.70	14.22	1.33	26
	2008	0.018	0.212	2.2	2.21	17.68	14.48	1.34	26
	2009	0.005	0.219	6.6	-7.66	17.73	16.89	1.45	26
	2010	0.009	0.209	6.8	-2.83	17.87	16.11	1.35	26
	2011	0.014	0.205	6.4	1.85	18.31	16.19	1.13	26
	2012	0.014	0.235	5.3	1.06	18.84	15.51	1.03	26
	2013	0.013	0.238	4.8	4.55	19.44	15.22	1.14	26
	2014	0.011	0.258	4.4	1.69	20.10	15.33	1.05	26
	2015	0.013	0.254	3.5	4.44	20.79	14.51	0.98	26
	2016	0.011	0.261	2.8	6.30	21.38	14.37	0.88	26
	2017	0.030	0.287	2.4	4.19	22.00	14.73	0.90	26
Ireland	2004	0.156	0.039	4.3	6.79	15.16	12.15	2.07	18
	2005	0.156	0.039	4.2	5.74	15.17	11.97	2.05	18
	2006	0.150	0.039	4.3	4.98	15.30	12.38	2.07	22
	2007	0.149	0.043	4.5	5.31	15.45	12.73	2.14	26
	2008	0.118	0.051	6.2	-4.49	15.62	14.80	2.53	26
	2009	0.067	0.061	12.0	-5.10	15.84	17.75	2.92	26
	2010	0.060	0.063	14.0	1.76	16.14	17.48	2.59	26
	2011	0.055	0.059	14.9	1.07	16.73	16.92	2.44	26
	2012	0.057	0.063	14.9	-0.05	17.39	16.26	2.35	26
	2013	0.061	0.060	13.3	1.27	18.10	15.32	2.17	26
	2014	0.066	0.057	11.5	8.71	18.83	14.12	1.95	26
	2015	0.055	0.045	9.6	25.18	19.58	10.74	1.44	26
	2016	0.059	0.047	8.1	2.04	20.20	10.69	1.40	26
	2017	0.060	0.050	6.4	8.94	20.81	9.97	1.29	26
	2018	0.063	0.051	5.4	9.03	21.42	9.42	1.19	26
	2019	0.064	0.052	4.6	4.92	22.01	9.08	1.09	26
Italy	2004	0.074	0.108	7.6	1.42	29.29	11.24	0.62	47.67
	2005	0.066	0.109	7.4	0.82	29.71	12.30	0.60	47.67
	2006	0.067	0.119	6.5	1.79	30.08	12.41	0.63	47.67
	2007	0.068	0.112	5.8	1.49	30.34	12.38	0.64	47.67
	2008	0.063	0.118	6.4	-0.96	30.54	12.94	0.65	47.67
	2009	0.051	0.117	7.5	-5.28	30.80	14.17	0.79	47.67
	2010	0.042	0.113	8.1	1.71	31.19	14.03	0.66	47.67
	2011	0.040	0.111	8.1	0.71	31.66	13.76	0.69	47.67
	2012	0.035	0.118	10.3	-2.98	32.24	14.20	0.72	47.7
	2013	0.030	0.120	11.9	-1.84	32.89	14.39	0.75	47.7
	2014	0.025	0.120	12.5	0.00	33.53	14.74	0.74	47.7
	2015	0.038	0.127	11.7	0.78	34.12	14.69	0.72	47.7
	2016	0.051	0.123	11.5	1.29	34.66	14.39	0.75	47.7
	2017	0.050	0.132	11.1	1.67	35.14	14.20	0.77	47.7
	2018	0.036	0.136	10.5	0.93	35.59	14.17	0.77	47.7
	2019	0.023	0.144	9.9	0.41	36.06	14.51	0.76	47.7
Latvia	2005	0.022	0.020	9.7	10.72	24.62	6.60	1.02	
	2006	0.035	0.019	6.7	11.97	25.18	6.38	0.92	
	2007	0.028	0.019	5.8	9.94	25.66	5.95	0.89	
	2008	0.016	0.138	7.6	-3.24	26.09	6.09	1.09	
	2009	0.018	0.162	17.3	-14.25	26.48	8.05	1.44	
	2010	0.029	0.142	19.3	-4.47	26.84	7.39	1.26	
	2011	0.023	0.145	16.1	2.56	27.46	6.37	0.91	
	2012	0.015	0.143	14.9	7.04	28.05	5.74	0.78	

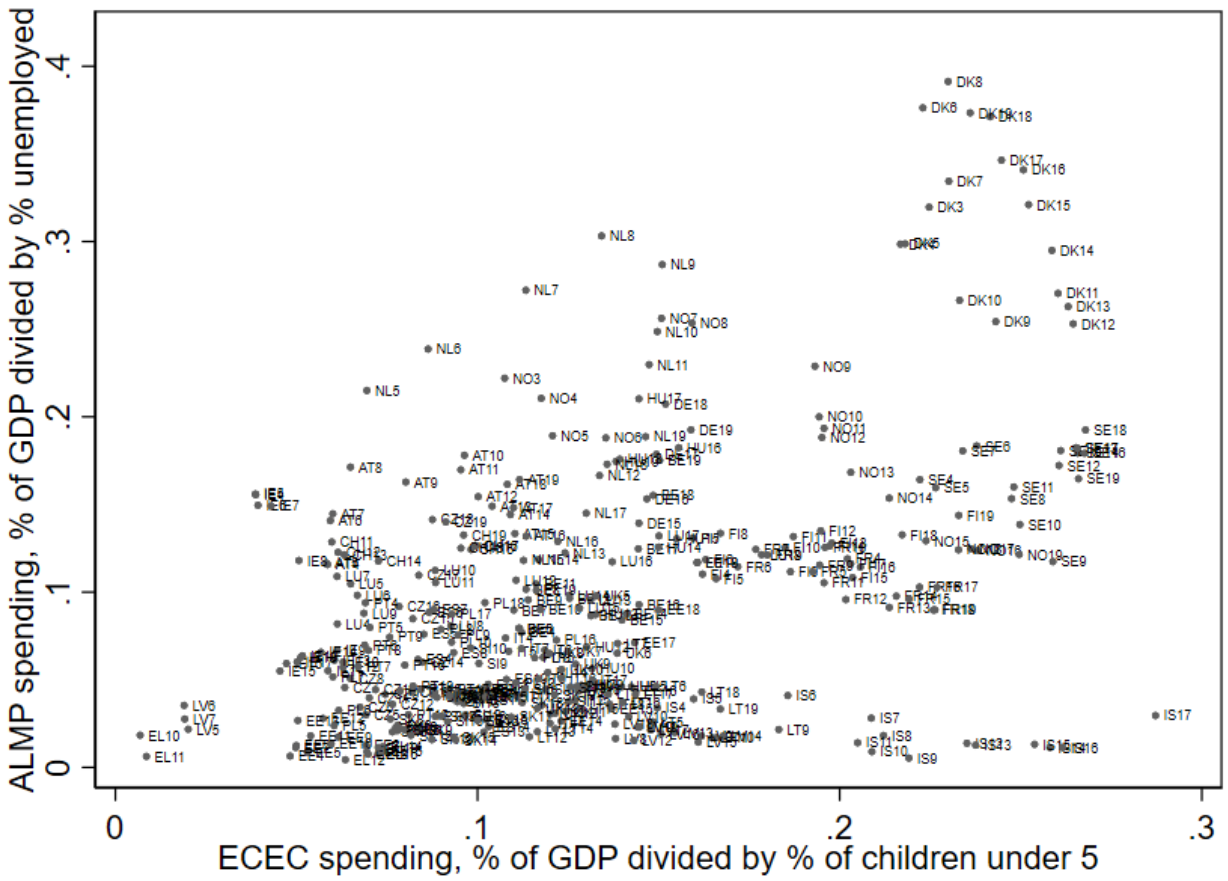
	2013	0.020	0.154	11.9	2.01	28.64	6.09	0.93	
	2014	0.018	0.168	10.9	1.90	29.24	6.17	1.02	94
	2015	0.014	0.161	9.9	3.89	29.85	6.74	1.27	94
	2016	0.019	0.151	9.8	2.37	30.23	6.92	1.35	94
	2017	0.021	0.148	8.8	3.31	30.71	6.80	1.34	94
	2018	0.025	0.138	7.5	3.99	31.34	7.24	1.39	94
	2019	0.023	0.145	6.4	2.48	32.10	7.65	1.37	94
Lithuania	2005	0.026	0.148	8.3	7.73	23.77	6.91	0.75	
	2006	0.046	0.149	5.7	7.41	24.22	7.18	0.72	
	2007	0.071	0.139	4.2	11.11	24.60	7.49	0.80	
	2008	0.042	0.136	5.7	2.61	24.91	8.65	1.44	
	2009	0.022	0.183	13.7	-14.84	25.18	11.56	2.28	
	2010	0.017	0.166	17.8	1.65	25.41	10.71	1.76	
	2011	0.017	0.165	15.4	6.04	25.91	9.34	1.28	
	2012	0.017	0.114	13.5	3.84	26.41	8.69	1.00	
	2013	0.020	0.117	11.9	3.55	26.91	8.16	0.80	
	2014	0.022	0.121	10.8	3.54	27.44	7.74	0.77	62
	2015	0.033	0.129	9.2	2.02	28.01	8.13	0.80	62
	2016	0.037	0.140	8.0	2.52	28.57	8.06	0.82	62
	2017	0.042	0.144	7.2	4.28	29.26	7.94	0.86	62
	2018	0.043	0.162	6.3	3.99	30.12	8.27	1.24	62
	2019	0.033	0.167	6.4	4.57	31.15	8.80	1.47	62
Luxembourg	2004	0.082	0.061	4.9	4.23	21.51	15.42	3.15	42
	2005	0.105	0.065	4.3	2.48	21.54	15.26	3.05	42
	2006	0.098	0.067	4.4	6.02	21.31	14.18	2.84	42
	2007	0.109	0.061	3.8	8.10	21.06	13.33	2.65	42
	2008	0.081	0.093	4.9	-0.30	20.81	13.77	3.22	42
	2009	0.088	0.069	4.9	-3.24	20.61	15.28	3.36	42
	2010	0.112	0.088	4.2	3.76	20.47	14.63	3.12	42
	2011	0.105	0.088	4.8	1.04	20.33	14.29	2.83	42
	2012	0.107	0.111	5.0	1.65	20.23	14.15	2.70	42
	2013	0.096	0.131	5.7	3.17	20.16	14.42	2.58	42
	2014	0.098	0.125	5.6	2.62	20.12	13.95	2.51	42
	2015	0.091	0.128	6.3	2.27	20.10	13.42	2.41	42
	2016	0.117	0.137	5.9	4.98	20.14	12.66	2.28	42
	2017	0.132	0.150	5.3	1.32	20.20	12.89	2.30	42
	2018	0.117	0.161	5.3	2.00	20.28	13.13	2.34	46
	2019	0.121	0.178	5.3	3.28	20.39	13.22	2.30	46
Netherlands	2005	0.215	0.069	5.4	2.05	20.92	15.01	0.61	16
	2006	0.239	0.086	4.5	3.46	21.25	15.80	0.58	16
	2007	0.272	0.113	3.6	3.77	21.58	15.15	0.57	16
	2008	0.303	0.134	3.1	2.17	21.94	15.49	0.68	16
	2009	0.287	0.151	3.8	-3.67	22.41	17.36	0.72	42
	2010	0.249	0.150	4.4	1.34	23.03	17.47	0.69	42
	2011	0.230	0.147	4.4	1.55	23.79	17.77	0.69	42
	2012	0.167	0.134	5.2	-1.03	24.69	18.30	0.66	42
	2013	0.122	0.124	6.7	-0.13	25.65	18.41	0.65	42
	2014	0.119	0.117	6.9	1.42	26.58	18.16	0.64	42
	2015	0.118	0.113	6.4	1.96	27.43	17.75	0.75	16
	2016	0.129	0.122	5.5	2.19	28.24	17.36	0.75	16
	2017	0.145	0.130	4.4	2.91	28.98	17.50	0.72	16
	2018	0.173	0.136	3.4	2.36	29.67	17.33	0.69	16
	2019	0.189	0.146	3.0	1.96	30.39	17.20	0.72	16
Norway	2003	0.222	0.107	3.5	0.91	22.89	17.03	1.86	142
	2004	0.211	0.118	3.6	3.97	22.71	15.90	1.71	142
	2005	0.189	0.121	3.8	2.63	22.59	14.63	1.54	142
	2006	0.188	0.135	3.0	2.40	22.45	13.50	1.38	137.67
	2007	0.256	0.151	2.1	2.99	22.33	13.43	1.32	137.67
	2008	0.254	0.159	2.0	0.48	22.27	13.01	1.32	137.67
	2009	0.229	0.193	2.6	-1.73	22.30	15.31	1.49	135.67
	2010	0.200	0.194	3.1	0.70	22.45	14.97	1.44	135.67
	2011	0.193	0.196	2.9	0.98	22.82	14.52	1.37	134.67
	2012	0.188	0.195	2.8	2.70	23.30	14.17	1.32	134.67
	2013	0.168	0.203	3.0	1.03	23.84	14.34	1.30	87
	2014	0.154	0.214	3.3	1.97	24.36	14.60	1.32	87
	2015	0.129	0.224	4.0	1.97	24.80	15.75	1.36	91
	2016	0.124	0.238	4.3	1.07	25.29	16.38	1.35	91
	2017	0.125	0.236	3.8	2.32	25.70	15.97	1.27	91
	2018	0.124	0.233	3.4	1.12	26.07	15.17	1.18	91
	2019	0.122	0.250	3.3	0.75	26.45	15.72	1.22	86
Poland	2005	0.024	0.060	17.7	3.51	18.60	10.09	0.85	16
	2006	0.033	0.062	13.8	6.13	18.66	9.66	0.83	16
	2007	0.052	0.060	9.6	7.06	18.63	8.92	0.80	18

	2008	0.079	0.090	7.0	4.20	18.58	9.52	0.74	18
	2009	0.075	0.095	8.1	2.83	18.65	9.52	0.75	20
	2010	0.071	0.093	9.5	3.74	18.89	9.44	0.78	22
	2011	0.043	0.096	9.5	4.76	19.39	8.98	0.71	22
	2012	0.044	0.103	10.0	1.32	20.04	8.92	0.67	24
	2013	0.048	0.111	10.2	1.13	20.84	9.22	0.70	52
	2014	0.054	0.119	8.9	3.38	21.72	9.00	0.66	52
	2015	0.063	0.116	7.4	4.24	22.66	9.16	0.81	52
	2016	0.073	0.122	6.1	3.14	23.72	10.76	1.80	52
	2017	0.088	0.093	4.8	4.83	24.83	10.43	2.00	52
	2018	0.094	0.102	3.8	5.35	25.98	9.74	1.85	52
	2019	0.101	0.116	3.2	4.74	27.16	11.00	2.30	52
Portugal	2004	0.094	0.069	6.6	1.79	25.27	13.61	0.70	17.14
	2005	0.080	0.070	7.8	0.78	25.54	13.60	0.73	17.14
	2006	0.070	0.069	7.8	1.63	26.01	13.40	0.73	17.14
	2007	0.058	0.067	8.2	2.51	26.47	12.78	0.73	17.14
	2008	0.067	0.070	7.7	0.32	26.95	12.73	0.81	17.14
	2009	0.074	0.076	9.7	-3.12	27.49	14.00	0.99	30.14
	2010	0.058	0.080	11.1	1.74	28.12	13.96	0.93	30.14
	2011	0.044	0.079	12.8	-1.70	28.78	13.27	0.77	30.14
	2012	0.030	0.081	15.8	-4.06	29.50	13.75	0.78	30.14
	2013	0.029	0.088	16.5	-0.92	30.27	14.01	0.75	30.14
	2014	0.039	0.093	14.1	0.79	31.07	13.13	0.73	30.14
	2015	0.043	0.088	12.5	1.79	31.87	12.28	0.74	30.14
	2016	0.041	0.088	11.2	2.02	32.58	12.27	0.77	30.14
	2017	0.044	0.092	8.9	3.51	33.28	11.92	0.76	30.14
	2018	0.044	0.084	7.0	2.85	33.99	11.74	0.79	30.14
	2019	0.046	0.082	6.4	2.68	34.72	11.96	0.83	30.14
Slovakia	2005	0.021	0.080	15.7	6.62	16.27	9.28	1.12	164
	2006	0.024	0.078	12.8	8.49	16.40	9.41	1.04	164
	2007	0.020	0.077	10.7	10.83	16.56	9.41	0.98	164
	2008	0.028	0.076	9.2	5.57	16.75	9.47	0.93	164
	2009	0.021	0.084	11.7	-5.46	16.97	11.03	1.13	164
	2010	0.023	0.077	14.0	6.29	17.24	10.78	1.17	164
	2011	0.022	0.080	13.2	2.64	17.66	10.30	1.20	164
	2012	0.018	0.082	13.6	1.36	18.10	10.41	1.20	164
	2013	0.016	0.087	13.9	0.65	18.60	10.61	1.19	164
	2014	0.016	0.094	12.9	2.72	19.18	10.49	1.15	164
	2015	0.017	0.093	11.3	5.22	19.87	10.21	1.10	164
	2016	0.027	0.100	9.5	1.93	20.73	10.42	1.11	164
	2017	0.029	0.109	7.9	2.98	21.67	10.20	1.12	164
	2018	0.037	0.112	6.4	3.79	22.68	10.07	1.05	164
	2019	0.041	0.121	5.6	2.61	23.68	9.92	1.13	164
Slovenia	2005	0.044	0.119	6.5	3.80	21.98	12.48	1.35	
	2006	0.045	0.113	5.9	5.75	22.39	13.33	1.34	
	2007	0.041	0.104	4.8	6.98	22.82	12.24	1.20	
	2008	0.041	0.100	4.3	3.51	23.25	12.47	1.25	
	2009	0.059	0.100	5.8	-7.55	23.67	13.87	1.53	
	2010	0.068	0.098	7.3	1.34	24.08	14.01	1.59	
	2011	0.043	0.094	8.2	0.86	24.53	13.96	1.61	
	2012	0.030	0.097	8.9	-2.64	24.95	14.12	1.51	
	2013	0.036	0.096	10.2	-1.03	25.41	13.51	1.38	
	2014	0.037	0.094	9.8	2.77	25.99	13.03	1.31	52.14
	2015	0.026	0.092	9.0	2.21	26.76	13.28	1.27	52.14
	2016	0.029	0.090	8.1	3.19	27.69	12.90	1.23	52.14
	2017	0.038	0.125	6.6	4.82	28.79	12.51	1.18	52.14
	2018	0.046	0.126	5.1	4.42	29.99	12.14	1.16	52.14
	2019	0.046	0.127	4.4	3.25	31.20	12.37	1.17	52.14
Spain	2004	0.062	0.084	10.5	3.12	24.13	12.44	0.42	16
	2005	0.076	0.085	8.7	3.65	24.14	12.71	0.47	16
	2006	0.089	0.087	8.0	4.10	24.24	12.65	0.47	16
	2007	0.090	0.088	7.8	3.60	24.36	12.64	0.52	16
	2008	0.065	0.093	10.6	0.89	24.54	13.52	0.60	16
	2009	0.045	0.102	17.2	-3.76	24.76	15.58	0.64	16
	2010	0.043	0.102	19.3	0.16	25.02	15.22	0.60	16
	2011	0.038	0.101	20.9	-0.81	25.59	15.56	0.50	16
	2012	0.027	0.100	24.3	-2.96	26.18	15.42	0.47	16
	2013	0.020	0.102	25.6	-1.44	26.80	15.36	0.49	16
	2014	0.023	0.103	24.1	1.38	27.43	14.62	0.52	16
	2015	0.027	0.102	21.7	3.84	28.06	13.91	0.51	16
	2016	0.029	0.097	19.3	3.03	28.51	13.08	0.51	16
	2017	0.041	0.098	16.9	2.97	28.94	12.66	0.51	16
	2018	0.047	0.103	14.9	2.29	29.38	12.63	0.52	16

	2019	0.050	0.108	13.8	2.09	29.87	13.03	0.54	16
Sweden	2004	0.164	0.222	6.0	4.34	26.45	16.85	1.43	60
	2005	0.160	0.227	6.6	2.86	26.51	16.33	1.42	60
	2006	0.183	0.238	6.1	4.66	26.66	15.58	1.45	60
	2007	0.181	0.234	5.1	3.44	26.86	14.67	1.41	60
	2008	0.153	0.247	5.1	-0.45	27.13	14.61	1.40	60
	2009	0.117	0.259	7.3	-4.34	27.47	15.55	1.47	60
	2010	0.139	0.250	7.6	5.95	27.91	14.39	1.42	60
	2011	0.160	0.248	6.9	3.20	28.47	13.82	1.39	60
	2012	0.172	0.261	7.1	-0.59	29.14	14.02	1.42	60
	2013	0.182	0.265	7.1	1.19	29.86	14.22	1.43	60
	2014	0.179	0.266	7.1	2.66	30.53	13.94	1.39	60
	2015	0.181	0.261	6.7	4.49	31.08	13.83	1.34	60
	2016	0.179	0.268	6.3	2.07	31.61	14.29	1.34	55.71
	2017	0.182	0.266	6.0	2.57	31.98	13.63	1.24	55.71
	2018	0.193	0.268	5.6	1.95	32.24	13.34	1.31	55.71
	2019	0.165	0.266	6.0	1.99	32.49	13.15	1.29	55.71
Switzerland	2011	0.129	0.060	4.3	1.92	25.17	14.35	1.14	14
	2012	0.123	0.061	4.4	1.22	25.56	14.95	1.16	14
	2013	0.121	0.063	4.6	1.82	25.99	15.63	1.18	14
	2014	0.118	0.073	4.8	2.45	26.40	15.17	1.18	14
	2015	0.124	0.098	4.7	1.66	26.78	15.42	1.20	14
	2016	0.127	0.099	4.8	2.05	27.23	15.49	1.20	14
	2017	0.126	0.100	4.8	1.58	27.63	15.49	1.21	14
	2018	0.125	0.095	4.7	2.92	28.02	14.73	1.18	14
	2019	0.133	0.096	4.3	1.21	28.45	15.04	1.19	14
United	2005	0.098	0.133	4.0	2.59	24.30	15.26	1.93	26
Kingdom	2006	0.065	0.139	4.5	2.58	24.39	15.52	1.88	26
	2007	0.066	0.125	4.4	2.27	24.46	13.79	2.01	39
	2008	0.065	0.120	4.8	-0.24	24.58	14.18	2.22	39
	2009	0.059	0.127	6.6	-4.25	24.79	15.65	2.46	39
	2010	0.056	0.123	6.8	2.13	25.13	15.87	2.54	39
	2011	0.032	0.124	7.0	1.46	25.61	16.01	2.47	39
	2012	0.031	0.121	6.9	1.47	26.18	15.73	2.48	39
	2013	0.034	0.117	6.7	1.89	26.80	15.35	2.35	39
	2014	0.039	0.094	5.4	2.99	27.38	14.90	2.29	39
	2015	0.040	0.102	4.6	2.62	27.88	15.08	2.19	39
	2016	0.040	0.089	4.3	2.26	28.26	14.38	2.17	39
	2017	0.041	0.092	3.8	2.13	28.55	14.29	2.09	39

Sources: ALMP spending = authors' calculations using Eurostat Statistics, OECD Social Protection Spending Database, and Eurostat population and social conditions data; ECEC spending = authors' calculations using OECD family database and Eurostat statistics on unemployment by sex and age; Unemployment rate = Eurostat population and social conditions data, statistics on unemployment by sex and age; GDP growth rate and Old-age dependency ratio = World Bank World Development Indicators; Social protection spending = authors' calculations using OECD social expenditure data, excluding spending on ALMPs, ECEC, old-age pensions, survivors' pensions; Family cash transfers and Paid maternity, parental and home care leave available to mothers (in weeks) = OECD family database.

Figure S1. Association between ALMP and ECEC spending: country-years, 2003–2019



Source: Authors' calculations. Correlation = 0.467. Slope = .59. p-value = 0.000. Adjusted R-squared = 0.216 Country-years = 381. Table S1 provides values and data sources.

Table S2. Descriptive statistics of micro level indicators before standardization:
Sample restricted to individuals with children under age 5

	Obs.	Mean	Std. dev.	Min	Max
Individual-level indicators					
Employed (ref. unemployed/inactive)	285,016	0.760	0.427		
Lag Employed *(t-1)*	285,016	0.751	0.432		
Employed, in education or training (ref. unemployed/inactive/retired)	293,153	0.760	0.427		
Lag Employed, in education or training *(t-1)*	293,153	0.754	0.431		
Employment quality: permanent contract and:					
-working less than 61 hours per week	286,750	0.733	0.442		
-working less than 51 hours per week	285,016	0.704	0.457		
-working less than 41 hours per week	285,016	0.572	0.495		
Gender (female/male)	285,016	0.528	0.499		
Age	285,016	35.40	6.73	20	55
Household size	285,016	4.19	1.31	1	10
Number of children under 12 months in household	285,016	0.203	0.447	0	6
Health (self-reported, scale good-bad)	285,016	1.857	0.707	1	5
Marital status: married	285,016	0.724	0.447		
Education: No or primary		0.064	0.245		
Lower secondary		0.132	0.339		
Upper secondary		0.411	0.492		
Higher (college/university)		0.392	0.488		
Poor (eq. disp. income < 60% national median)	285,016	0.148	0.355		

Sources: Authors' calculations, EU-SILC longitudinal data 2003-2019.
Sample: Individuals between age 20 and 55 with one or more children under age 5.

Sample restricted to Females with children under age 5

	Obs.	Mean	Std. dev.	Min	Max
Individual-level indicators					
Employed (ref. unemployed/inactive)	150,508	0.616	0.486		
Lag Employed *(t-1)*	150,508	0.604	0.489		
Employed, in education or training (ref. unemployed/inactive/retired)	150,508	0.616	0.486		
Lag Employed, in education or training *(t-1)*	150,508	0.604	0.489		
Employment quality: permanent contract and:					
-working less than 61 hours per week	150,508	0.606	0.489		
-working less than 51 hours per week	150,508	0.597	0.491		
-working less than 41 hours per week	150,508	0.545	0.498		
Age	150,508	34.41	6.62	20	55
Household size	150,508	4.18	1.32	1	10
Number of children under 12 months in household	150,508	0.201	0.443	0	6
Health (self-reported, scale good-bad)	150,508	1.870	0.711	1	5
Marital status: married	150,508	0.700	0.458		
Education: No or primary		0.060	0.238		
Lower secondary		0.123	0.328		
Upper secondary		0.387	0.487		
Higher (college/university)		0.430	0.495		
Poor (eq. disp. income < 60% national median)	150,508	0.157	0.364		

Sources: Authors' calculations, EU-SILC longitudinal data 2003-2019.
Sample: Female respondents between age 20 and 55 with one or more children under age 5.

Table S3. Predicted change in the odds of being employed among individuals with children in Europe. Estimates from mixed-effects models with **country fixed effects**.

	Female				Male			
	(1) child <18	(2) child <18	(3) child <10	(4) child <5	(5) child <18	(6) child <18	(7) child <10	(8) child <5
ECEC spending, std.	1.024	1.048	1.059	1.048	1.014	0.995	1.008	0.929
	(0.048)	(0.059)	(0.050)	(0.048)	(0.068)	(0.067)	(0.076)	(0.070)
ALMP spending, std.	0.960	0.966	0.941*	0.958	1.004	1.004	0.995	0.989
	(0.035)	(0.030)	(0.029)	(0.036)	(0.062)	(0.061)	(0.047)	(0.062)
ECEC X ALMP		1.063	1.087	1.136***		0.966	0.976	0.954
		(0.070)	(0.056)	(0.051)		(0.053)	(0.053)	(0.059)
Lag employed (t-1)	37.641***	37.621***	28.726***	18.871***	25.783***	25.782***	24.383***	21.262***
	(3.581)	(3.585)	(3.067)	(2.757)	(3.009)	(3.009)	(2.937)	(2.551)
Education: Lower sec.	1.134	1.133	1.112	1.130	1.030	1.030	0.972	0.954
	(0.123)	(0.123)	(0.146)	(0.204)	(0.067)	(0.068)	(0.071)	(0.078)
Upper secondary	1.575***	1.573***	1.542***	1.582**	1.416***	1.416***	1.379***	1.371***
	(0.205)	(0.205)	(0.231)	(0.315)	(0.099)	(0.099)	(0.114)	(0.119)
Tertiary	2.130***	2.126***	2.088***	2.158***	1.895***	1.897***	1.852***	1.829***
	(0.296)	(0.296)	(0.321)	(0.446)	(0.156)	(0.156)	(0.196)	(0.205)
Age (centered)	1.018***	1.018***	1.022***	1.027***	1.010***	1.010***	1.007***	1.007***
	(0.006)	(0.006)	(0.006)	(0.007)	(0.003)	(0.003)	(0.003)	(0.003)
Household size	0.926***	0.926***	0.925***	0.926***	0.937***	0.937***	0.928***	0.909***
	(0.017)	(0.017)	(0.018)	(0.020)	(0.012)	(0.012)	(0.014)	(0.014)
Health (good-bad)	0.856***	0.856***	0.884***	0.923***	0.714***	0.714***	0.728***	0.756***
	(0.017)	(0.017)	(0.016)	(0.017)	(0.019)	(0.019)	(0.019)	(0.021)
Married	0.852***	0.852***	0.879***	0.884***	1.696***	1.696***	1.574***	1.481***
	(0.028)	(0.028)	(0.028)	(0.031)	(0.060)	(0.060)	(0.062)	(0.067)
Children aged 0	0.253***	0.253***	0.291***	0.359***	0.976	0.976	0.954	0.956
	(0.055)	(0.055)	(0.056)	(0.055)	(0.033)	(0.033)	(0.030)	(0.029)
Poor (<60% median)	0.508***	0.508***	0.493***	0.487***	0.373***	0.373***	0.376***	0.372***
	(0.041)	(0.041)	(0.040)	(0.043)	(0.023)	(0.023)	(0.022)	(0.021)
Unemployment rate	0.994	0.993	0.995	1.001	0.952***	0.953***	0.954***	0.952***
	(0.004)	(0.005)	(0.005)	(0.006)	(0.006)	(0.006)	(0.006)	(0.008)
GDP growth rate	1.004	1.004	0.998	0.993	1.032***	1.032***	1.031***	1.034***
	(0.005)	(0.005)	(0.005)	(0.007)	(0.005)	(0.005)	(0.005)	(0.006)
Dependency ratio	1.007	1.007	1.011*	1.015*	1.007	1.008	1.004	1.010
	(0.006)	(0.006)	(0.006)	(0.008)	(0.008)	(0.009)	(0.010)	(0.012)
Social protection	0.950***	0.949***	0.934***	0.933***	0.944***	0.944***	0.928***	0.938***
	(0.016)	(0.015)	(0.018)	(0.022)	(0.016)	(0.017)	(0.019)	(0.022)
Family transfers	0.980	1.002	1.004	0.981	1.064	1.048	1.132*	1.096
	(0.037)	(0.044)	(0.048)	(0.060)	(0.072)	(0.072)	(0.085)	(0.100)
Country fixed effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Random intercept SD (individual level)	0.002	0.002	0.005	0.004	0.014	0.014	0.008	0.007
N observations	436,255	436,255	267,305	150,508	371,193	371,193	234,101	134,508
N individuals	175,975	175,975	112,381	70,251	151,109	151,109	98,300	62,242
N countries	26	26	26	26	26	26	26	26
AIC	275214	275205	190813	123564	130016	130017	81531	48325
BIC	275411	275414	191012	123753	130211	130222	81790	48570

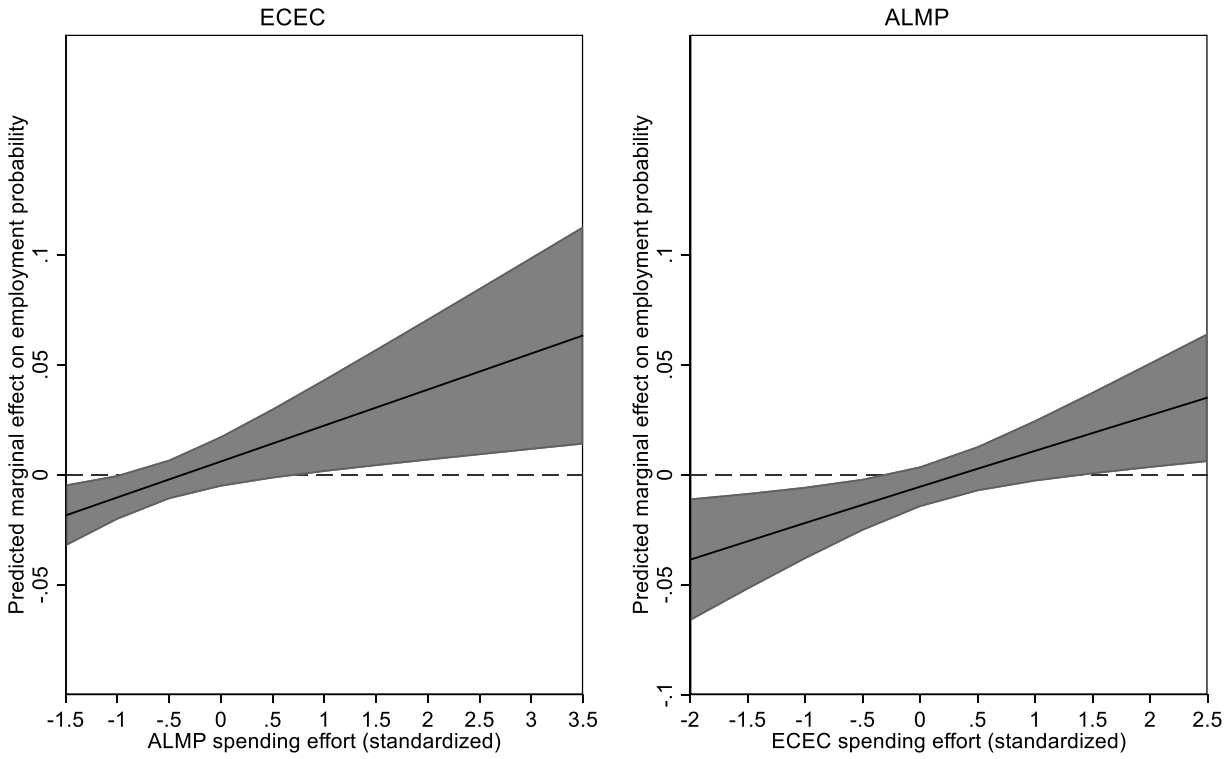
Source: Authors' calculations, pooled EU-SILC longitudinal survey data from 26 countries and 381 surveys (2003-2019).
Notes: Mixed-effects logistic panel regression models with country fixed effects and individual-level random intercepts. Robust standard errors in brackets. Standard errors adjusted for countries (26 clusters). * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$
ALMP = active labour market policy; ECEC = early childhood education and care; GDP = Gross Domestic Product; N = Number; SD = standard deviation.

Model specification for mixed-effects models with **country fixed effects**:

$$\text{logit}(\Pr(E_{icy}=1)) = \beta_0 + \beta_1 \text{lag}E_{icy} + \beta_2 \text{X}'_{icy} + \beta_3 \text{ALMP}_{cy} + \beta_4 \text{ECEC}_{cy} + \beta_5(\text{ALMP}_{cy} \times \text{ECEC}_{cy}) + \beta_6 \text{M}'_{cy} + \gamma_c + u_i + \varepsilon_{icy},$$

where γ_c denotes country fixed effects capturing time-invariant country characteristics and u_i is an individual-level random intercept. Cluster-robust standard errors are clustered at the country level.

Figure S2. Average marginal effect plots of interaction between ALMP and ECEC on employment probability for women with children under age five: Mixed-effects models with **country fixed effects**.



Source: Authors' calculations using Eurostat EU-SILC longitudinal data 2003-2019.
Notes: Shades denote 95% confidence intervals.
Full model in Table S3, Model S4.

Figure S3. Predicted probability of employment across ALMP spending distribution, at low and high ECEC spending levels, for female and male workforce with children under age 5. **Country fixed effects** models.

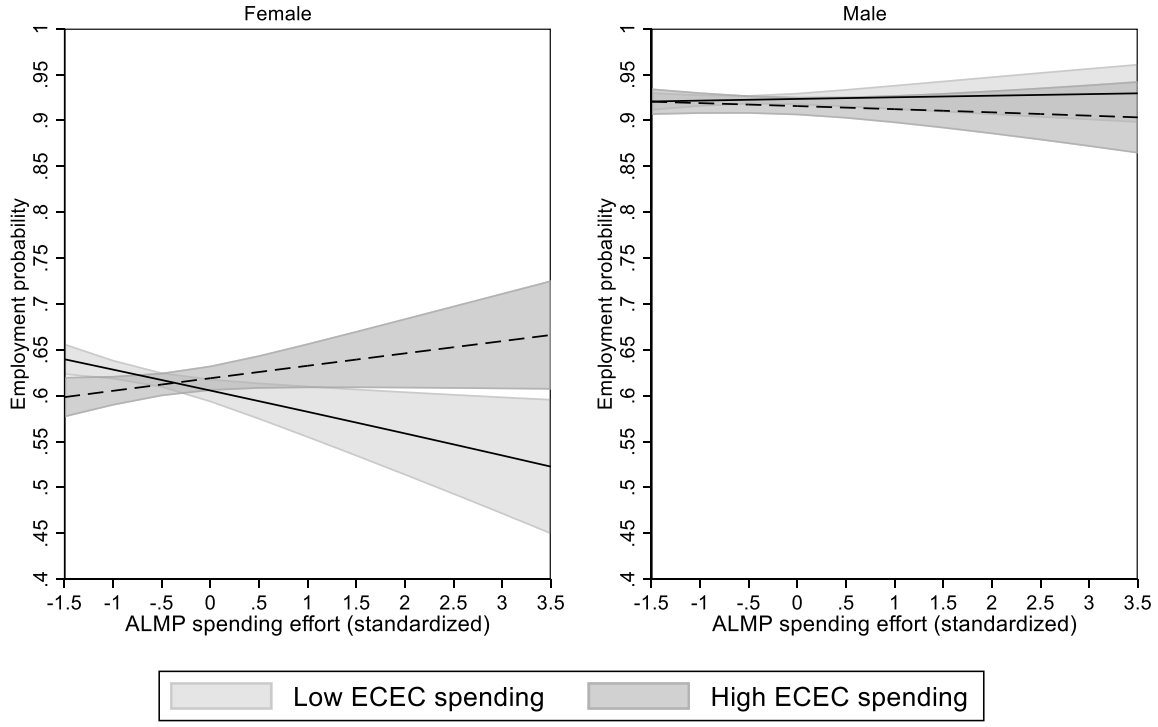
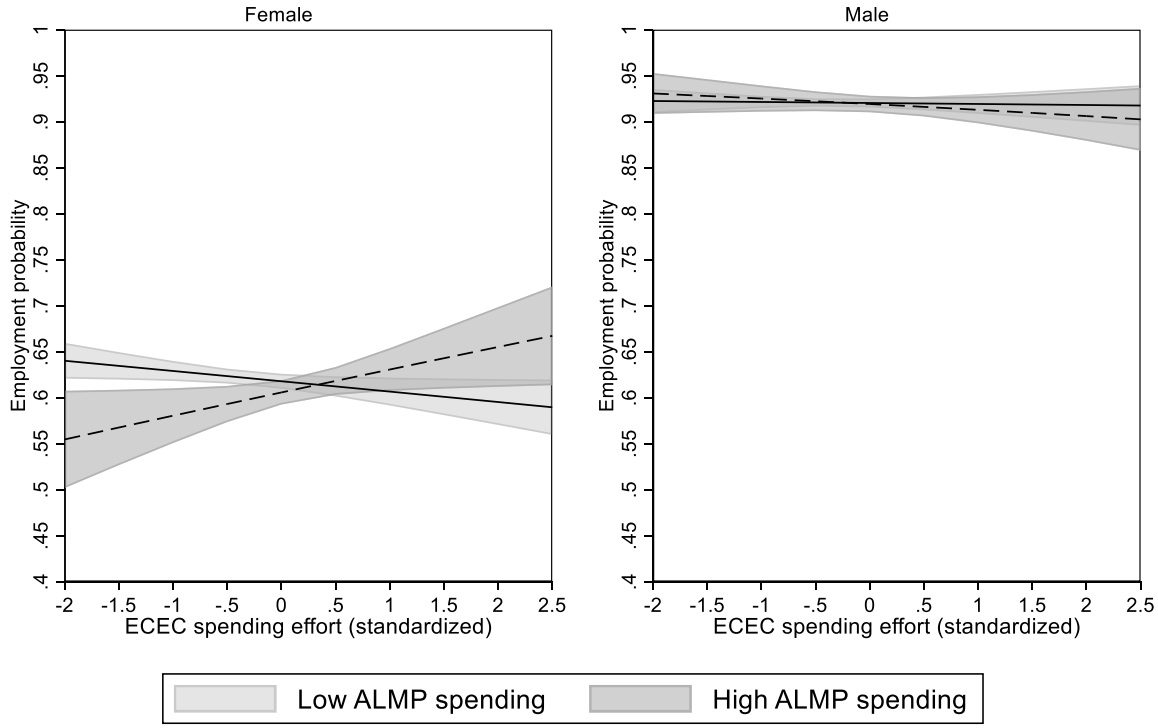


Figure S4. Predicted probability of employment across ECEC spending distribution, at low and high ALMP spending levels, for female and male workforce with children under age 5. **Country fixed effects** models.



Source: Authors' calculations using Eurostat EU-SILC longitudinal data 2003-2019.
Note: Low/High ECEC and ALMP spending at 10th and 90th percentile. Shades denote 95% confidence intervals. Full model in Table S3, model (4).

Table S4. Alternative model specifications compared to base model

	(1) Base model: female, children <5	(2) Without control for poverty status	(3) Without control for social spending	(4) Without control for macro variables	(5) 1-year lag for ECEC & ALMP measures	(6) Weight for inverse of sample size	(7) Time fixed effects	(8) Country and Time fixed effects, Logit model
ECEC spending, std.	1.064	1.037	1.056	1.096**	1.015	1.241***	1.046	1.025
	(0.050)	(0.049)	(0.050)	(0.043)	(0.054)	(0.093)	(0.052)	(0.051)
ALMP spending, std.	0.974	0.992	1.004	1.039	1.014	0.942	0.966	0.948
	(0.034)	(0.035)	(0.029)	(0.035)	(0.039)	(0.078)	(0.031)	(0.032)
ECEC X ALMP	1.145***	1.135***	1.137***	1.162***	1.132**	1.135**	1.121***	1.107**
	(0.050)	(0.048)	(0.050)	(0.049)	(0.056)	(0.066)	(0.048)	(0.050)
Lag employed (t-1)	18.881***	20.666***	18.862***	18.842***	18.889***	18.265***	18.895***	18.885***
	(2.867)	(3.221)	(2.866)	(2.859)	(2.870)	(2.768)	(2.875)	(2.873)
Education: Lower sec.	1.130	1.216	1.135	1.138	1.132	0.900	1.131	1.131
	(0.205)	(0.221)	(0.207)	(0.210)	(0.204)	(0.162)	(0.202)	(0.201)
Upper secondary	1.580**	1.841***	1.584**	1.591**	1.585**	1.113	1.581**	1.582**
	(0.317)	(0.370)	(0.320)	(0.323)	(0.315)	(0.237)	(0.313)	(0.312)
Tertiary	2.157***	2.664***	2.165***	2.183***	2.165***	1.525*	2.160***	2.160***
	(0.461)	(0.566)	(0.465)	(0.469)	(0.459)	(0.349)	(0.456)	(0.454)
Age (centered)	1.027***	1.028***	1.027***	1.027***	1.027***	1.028***	1.027***	1.027***
	(0.006)	(0.006)	(0.006)	(0.006)	(0.006)	(0.005)	(0.006)	(0.006)
Household size	0.926***	0.916***	0.927***	0.927***	0.926***	0.922***	0.926***	0.926***
	(0.019)	(0.019)	(0.019)	(0.019)	(0.019)	(0.017)	(0.019)	(0.019)
Health (good-bad)	0.923***	0.908***	0.922***	0.923***	0.923***	0.945**	0.923***	0.923***
	(0.018)	(0.018)	(0.018)	(0.018)	(0.019)	(0.027)	(0.018)	(0.018)
Married	0.884***	0.929**	0.883***	0.879***	0.884***	0.881***	0.883***	0.884***
	(0.032)	(0.033)	(0.032)	(0.031)	(0.032)	(0.039)	(0.032)	(0.032)
Children aged 0	0.359***	0.358***	0.359***	0.359***	0.359***	0.301***	0.359***	0.359***
	(0.054)	(0.053)	(0.054)	(0.054)	(0.054)	(0.054)	(0.054)	(0.053)
Poor (<60% median)	0.487***		0.487***	0.489***	0.488***	0.491***	0.486***	0.486***
	(0.041)		(0.041)	(0.041)	(0.041)	(0.036)	(0.041)	(0.041)
Unemployment rate	0.999	0.997	0.994		1.003	0.977*	1.004	1.006
	(0.006)	(0.005)	(0.005)		(0.006)	(0.014)	(0.007)	(0.007)
GDP growth rate	0.994	0.994	0.999		0.994	1.006	0.994	0.992
	(0.007)	(0.007)	(0.007)		(0.006)	(0.009)	(0.008)	(0.008)
Dependency ratio	1.013*	1.012	1.013*		1.016**	0.988	1.018	1.020
	(0.007)	(0.008)	(0.007)		(0.007)	(0.011)	(0.016)	(0.017)
Social protection	0.946**	0.950**			0.946**	1.035**	0.948**	0.934***
	(0.022)	(0.021)			(0.021)	(0.017)	(0.023)	(0.022)
Family transfers	0.960	0.976	0.870***		0.964	0.826	0.932	0.950
	(0.059)	(0.055)	(0.031)		(0.060)	(0.116)	(0.048)	(0.048)
Time fixed effects	No	No	No	No	No	No	Yes	Yes
Country fixed effects	No	No	No	No	No	No	No	Yes
Variance countries	0.307***	0.294***	0.215***	0.200***	0.324***	0.000	0.339***	
	(0.099)	(0.091)	(0.050)	(0.046)	(0.100)	(0.000)	(0.111)	
Variance individuals	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	
N observations	150,508	150,508	150,508	150,508	150,508	150,508	150,508	150,508
N individuals	70,251	70,251	70,251	70,251	70,251	70,251	70,251	
N countries	26	26	26	26	26	26	26	26
AIC	123728	124954	123751	123780	123730	94	123696	123529
BIC	123927	125142	123939	123929	123929	282	123954	123777
Pseudo R^2								0.3839

Source: Authors' calculations, EU-SILC longitudinal data 2003-2019. *** p<0.01, ** p<0.05, * p<0.1

Table S5. Predicted change in the odds of being employed, in education or training (EET).

	Female			Male		
	(1) child <10	(2) child <10	(3) child <5	(4) child <10	(5) child <10	(6) child <5
ECEC spending, std.	1.035	1.074	1.064	1.036	1.050	1.024
	(0.049)	(0.048)	(0.050)	(0.060)	(0.064)	(0.058)
ALMP spending, std.	0.950	0.958	0.976	1.080	1.077	1.088
	(0.034)	(0.029)	(0.036)	(0.062)	(0.058)	(0.068)
ECEC X ALMP		1.100**	1.150***		1.036	1.062
		(0.051)	(0.047)		(0.046)	(0.046)
Lag employed (t-1)	27.530***	27.509***	18.073***	23.527***	23.531***	20.667***
	(3.237)	(3.238)	(2.718)	(2.740)	(2.742)	(2.431)
Education: Lower sec.	1.117	1.114	1.133	0.972	0.972	0.942
	(0.138)	(0.138)	(0.194)	(0.069)	(0.069)	(0.077)
Upper secondary	1.559***	1.556***	1.586**	1.395***	1.394***	1.375***
	(0.222)	(0.222)	(0.303)	(0.109)	(0.109)	(0.114)
Tertiary	2.105***	2.100***	2.155***	1.867***	1.865***	1.839***
	(0.317)	(0.317)	(0.438)	(0.178)	(0.178)	(0.182)
Age (centered)	1.018***	1.018***	1.023***	1.002	1.002	1.003
	(0.005)	(0.005)	(0.006)	(0.002)	(0.002)	(0.003)
Household size	0.929***	0.929***	0.929***	0.931***	0.931***	0.911***
	(0.016)	(0.016)	(0.019)	(0.014)	(0.014)	(0.014)
Health (good-bad)	0.885***	0.885***	0.923***	0.728***	0.728***	0.755***
	(0.017)	(0.017)	(0.018)	(0.018)	(0.018)	(0.019)
Married	0.860***	0.860***	0.868***	1.546***	1.546***	1.462***
	(0.030)	(0.030)	(0.030)	(0.064)	(0.064)	(0.067)
Children aged 0	0.290***	0.290***	0.359***	0.950	0.950*	0.958
	(0.054)	(0.054)	(0.054)	(0.030)	(0.030)	(0.028)
Poor (<60% median)	0.506***	0.505***	0.500***	0.383***	0.383***	0.380***
	(0.034)	(0.034)	(0.039)	(0.023)	(0.023)	(0.021)
Unemployment rate	0.995	0.994	1.000	0.953***	0.952***	0.949***
	(0.006)	(0.005)	(0.006)	(0.006)	(0.006)	(0.008)
GDP growth rate	0.999	1.000	0.994	1.034***	1.034***	1.037***
	(0.005)	(0.005)	(0.006)	(0.007)	(0.007)	(0.008)
Dependency ratio	1.011**	1.011*	1.014*	1.009	1.009	1.010
	(0.006)	(0.006)	(0.007)	(0.009)	(0.009)	(0.008)
Social protection	0.946***	0.946***	0.945**	0.968*	0.969*	0.988
	(0.019)	(0.018)	(0.022)	(0.019)	(0.018)	(0.014)
Family transfers	0.960	0.990	0.965	1.033	1.042	0.976
	(0.041)	(0.048)	(0.058)	(0.082)	(0.082)	(0.077)
Variance countries	0.256***	0.205***	0.307***	0.087*	0.079*	0.044**
	(0.079)	(0.065)	(0.099)	(0.045)	(0.043)	(0.021)
Variance individuals	0.000	0.000	0.000	0.000	0.000	0.000
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Number observations	269,199	269,199	151,710	234,878	234,878	134,943
Number individuals	113,231	113,231	70,840	98,721	98,721	62,481
Number countries	26	26	26	26	26	26
AIC	194405	194387	125975	83160	83160	49139
BIC	194605	194597	126174	83357	83368	49335

Figure S5. Average marginal effect plots of interaction between ALMP and ECEC on probability to be **employed, in education or training** for women with children under age five: ECEC effect conditional on ALMP efforts (left panel), and ALMP conditional on ECEC efforts (right panel).

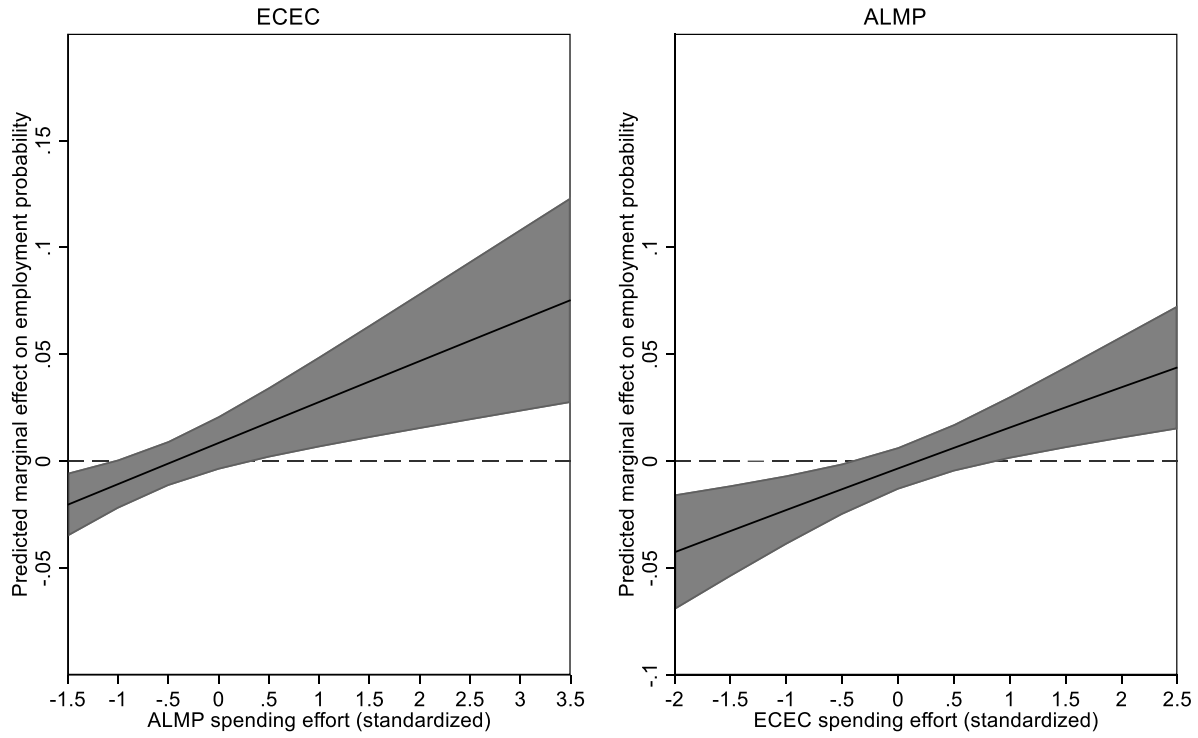
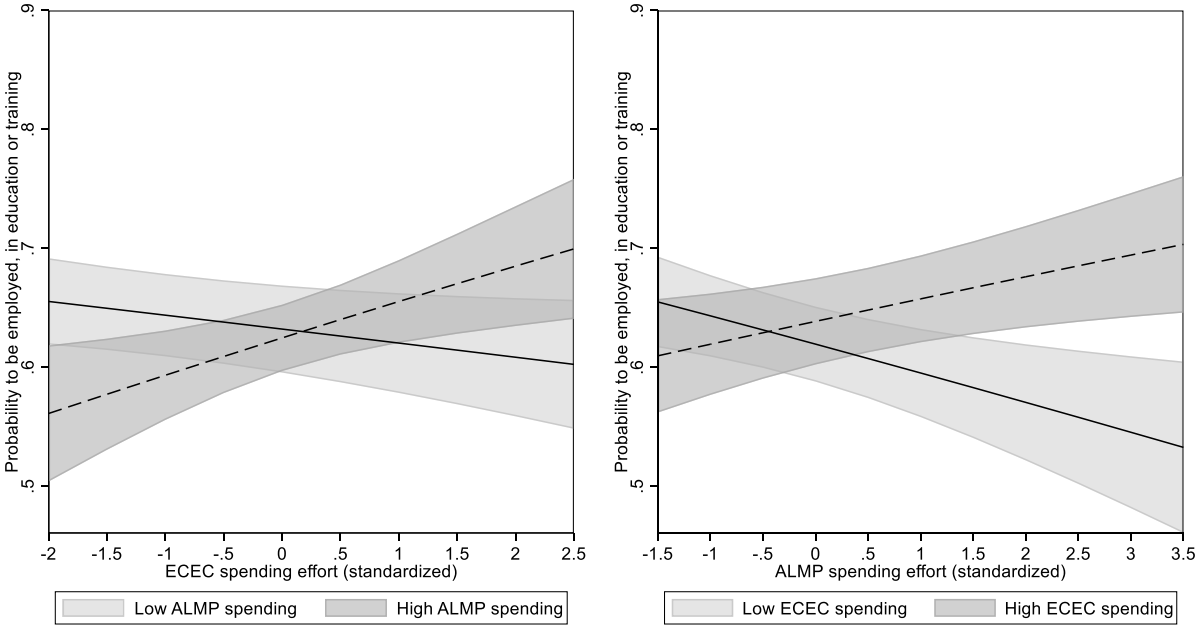


Figure S6. Predicted probability to be **employed, in education or training** across ALMP & ECEC spending distribution, at low and high ECEC & ALMP spending levels. Females with children under age 5.



Source: Authors' calculations using Eurostat EU-SILC longitudinal data 2003-2019.
Note: Low/High ECEC and ALMP spending at 10th and 90th percentile. Shades denote 95% confidence intervals. Full model in Table S5, model (3).

Table S6. Predicted change in the odds of being employed among individuals with children under age 5: unemployed and inactive separately.

	Female				Male			
	Employed-unemployed (inactive excluded)		Employed- inactive (unemployed excluded)		Employed-unemployed (inactive excluded)		Employed- inactive (unemployed excluded)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ECEC spending, std.	1.135*	1.149*	0.959	1.010	1.132***	1.129***	0.575**	0.635*
	(0.085)	(0.085)	(0.055)	(0.065)	(0.054)	(0.052)	(0.128)	(0.172)
ALMP spending, std.	1.258**	1.255**	0.934	0.947	1.136*	1.139*	0.980	0.931
	(0.112)	(0.118)	(0.051)	(0.042)	(0.076)	(0.081)	(0.127)	(0.112)
ECEC X ALMP		1.029		1.143**		0.991		1.300**
		(0.077)		(0.065)		(0.042)		(0.139)
Lag employed (t-1)	16.612***	16.610***	21.945***	21.920***	20.186***	20.185***	25.792***	25.827***
	(2.151)	(2.153)	(4.277)	(4.273)	(2.546)	(2.545)	(4.868)	(4.875)
Education: Lower sec.	0.845	0.844	1.418	1.412	0.958	0.958	0.986	0.976
	(0.093)	(0.093)	(0.416)	(0.415)	(0.086)	(0.086)	(0.217)	(0.214)
Upper secondary	1.282**	1.281**	2.078**	2.068**	1.382***	1.383***	1.483*	1.466*
	(0.142)	(0.143)	(0.661)	(0.658)	(0.124)	(0.125)	(0.333)	(0.326)
Tertiary	2.152***	2.150***	2.844***	2.832***	2.011***	2.011***	1.393	1.375
	(0.333)	(0.334)	(0.930)	(0.928)	(0.231)	(0.231)	(0.335)	(0.328)
Age (centered)	1.018***	1.018***	1.031***	1.031***	1.009***	1.009***	0.996	0.996
	(0.004)	(0.004)	(0.009)	(0.009)	(0.003)	(0.003)	(0.005)	(0.005)
Household size	0.957*	0.957*	0.898***	0.898***	0.906***	0.906***	0.877***	0.877***
	(0.023)	(0.023)	(0.030)	(0.030)	(0.014)	(0.014)	(0.044)	(0.044)
Health (good-bad)	0.740***	0.740***	0.991	0.989	0.760***	0.760***	0.643***	0.642***
	(0.026)	(0.026)	(0.025)	(0.024)	(0.030)	(0.030)	(0.052)	(0.051)
Married	1.392***	1.392***	0.707***	0.707***	1.569***	1.569***	1.273**	1.271**
	(0.061)	(0.061)	(0.053)	(0.053)	(0.074)	(0.074)	(0.131)	(0.131)
Children aged 0	0.687***	0.687***	0.285***	0.285***	0.979	0.979	0.845*	0.845*
	(0.038)	(0.038)	(0.050)	(0.050)	(0.029)	(0.029)	(0.079)	(0.078)
Poor (<60% median)	0.406***	0.406***	0.470***	0.470***	0.344***	0.344***	0.471***	0.471***
	(0.038)	(0.038)	(0.045)	(0.045)	(0.022)	(0.022)	(0.074)	(0.074)
Unemployment rate	0.944***	0.944***	1.037***	1.035***	0.940***	0.940***	1.010	1.002
	(0.015)	(0.014)	(0.009)	(0.008)	(0.009)	(0.009)	(0.023)	(0.024)
GDP growth rate	0.988	0.988	0.992	0.992	1.041***	1.041***	1.020*	1.022*
	(0.007)	(0.007)	(0.008)	(0.008)	(0.007)	(0.007)	(0.012)	(0.012)
Dependency ratio	0.990	0.989	1.034***	1.033***	0.999	0.999	1.070**	1.064*
	(0.013)	(0.013)	(0.010)	(0.010)	(0.008)	(0.008)	(0.033)	(0.035)
Social protection	0.987	0.986	0.922**	0.920***	0.987	0.987	1.000	0.997
	(0.020)	(0.020)	(0.029)	(0.027)	(0.016)	(0.016)	(0.034)	(0.033)
Family transfers	0.752***	0.758***	0.952	0.994	0.948	0.945	0.934	0.992
	(0.057)	(0.062)	(0.072)	(0.080)	(0.038)	(0.046)	(0.212)	(0.222)
Variance countries	0.418***	0.434***	0.963***	0.847***	0.076***	0.076***	0.729**	0.504*
	(0.106)	(0.117)	(0.238)	(0.208)	(0.024)	(0.024)	(0.359)	(0.293)
Variance individuals	0.652***	0.652***	0.417***	0.417***	0.065	0.065	2.255***	2.250***
	(0.152)	(0.151)	(0.157)	(0.156)	(0.086)	(0.086)	(0.321)	(0.321)
N observations	106,196	106,196	137,077	137,077	132,868	132,868	125,416	125,416
N individuals	55,287	55,287	66,240	66,240	61,784	61,784	59,383	59,383
N countries	26	26	26	26	26	26	26	26
AIC	52935	52936	101426	101408	42413	42415	12413	12408
BIC	53126	53137	101622	101615	42609	42621	12608	12613

Table S7. Alternative specifications of employment and sample for Females with children: Employment quality (models 1–4) and sample restriction to women with children aged 1 to 4 and 2 to 4 (models 5–6)

	(1)	(2)	(3)	(4)	(5)	(6)
	Employment Quality A	Employment Quality A	Employment Quality B	Employment Quality C	Employed: with children aged 2-4	Employed: with children aged 1-4
ECEC spending, std.	1.134**	1.261***	1.254***	1.155***	1.198***	1.263***
	(0.061)	(0.051)	(0.050)	(0.033)	(0.071)	(0.106)
ALMP spending, std.	0.922**	0.939	0.957	1.000	0.952	0.962
	(0.038)	(0.039)	(0.040)	(0.033)	(0.038)	(0.041)
ECEC X ALMP	1.122**	1.130***	1.126***	1.053*	1.093	1.135**
	(0.052)	(0.038)	(0.036)	(0.029)	(0.059)	(0.065)
Lag employed (t-1)	17.175***				33.524***	23.222***
	(2.506)				(4.112)	(3.317)
Lag quality employed (t-1)		20.311***	18.571***	14.154***		
		(2.728)	(2.344)	(1.421)		
Education: Lower sec.	1.136	0.974	0.973	0.926	1.037	1.077
	(0.212)	(0.193)	(0.179)	(0.144)	(0.164)	(0.176)
Upper secondary	1.588**	1.346	1.340	1.249	1.494**	1.569**
	(0.322)	(0.295)	(0.280)	(0.233)	(0.252)	(0.278)
Tertiary	2.176***	1.901***	1.881***	1.608**	2.223***	2.219***
	(0.454)	(0.445)	(0.421)	(0.328)	(0.393)	(0.413)
Age (centered)	1.026***	1.023***	1.021***	1.016***	1.010**	1.019***
	(0.007)	(0.006)	(0.006)	(0.005)	(0.005)	(0.007)
Household size	0.916***	0.875***	0.878***	0.888***	0.884***	0.892***
	(0.021)	(0.022)	(0.022)	(0.018)	(0.015)	(0.016)
Health (good-bad)	0.919***	0.901***	0.904***	0.924***	0.865***	0.896***
	(0.017)	(0.015)	(0.013)	(0.013)	(0.015)	(0.017)
Married	0.892***	0.895***	0.900**	0.926**	0.926	0.893***
	(0.031)	(0.038)	(0.037)	(0.034)	(0.052)	(0.036)
Children aged 0	0.371***	0.375***	0.393***	0.486***		
	(0.056)	(0.058)	(0.057)	(0.063)		
Poor (<60% median)	0.474***	0.476***	0.474***	0.493***	0.490***	0.489***
	(0.042)	(0.039)	(0.037)	(0.030)	(0.039)	(0.041)
Unemployment rate	0.986*	0.989*	0.991	0.993	0.979***	0.989*
	(0.007)	(0.006)	(0.007)	(0.006)	(0.007)	(0.006)
GDP growth rate	0.999	1.008	1.008	1.003	0.997	0.995
	(0.006)	(0.008)	(0.007)	(0.007)	(0.006)	(0.008)
Dependency ratio	1.014*	1.004	1.002	1.010	1.017*	1.003
	(0.008)	(0.008)	(0.008)	(0.007)	(0.010)	(0.009)
Social protection	0.953**	0.982	0.982	0.990	0.969*	0.952**
	(0.022)	(0.020)	(0.020)	(0.017)	(0.017)	(0.021)
Family transfers	0.918	0.909	0.908	0.952	0.794***	0.853***
	(0.063)	(0.066)	(0.063)	(0.060)	(0.051)	(0.047)
Variance countries	0.256**	0.119***	0.111***	0.068***	0.171***	0.199***
	(0.104)	(0.038)	(0.036)	(0.025)	(0.049)	(0.072)
Variance individuals	0.051	0.000	0.000	0.000	0.000	0.000
	(0.134)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
N observations	150,508	83,952	83,965	83,965	89,408	122,836
N individuals	70,251	51,501	51,507	51,507	53,581	64,271
N countries	26	26	26	26	26	26
AIC	127331	67547	69529	77618	63040	94698
BIC	127540	67733	69715	77805	63219	94883

(1)-(2) DV=Employment Quality A: Employment in permanent (non-fixed-term) contract, and working <61 hours per week (otherwise 0)
(3) DV= Employment Quality B: Employment in permanent (non-fixed-term) contract, and working <51 hours per week (otherwise 0)
(4) DV= Employment Quality C: Employment in permanent (non-fixed-term) contract, and working <41 hours per week (otherwise 0)
*(5)-(6) DV= Employment (same as baseline). Robust-cluster standard errors in parentheses. *** p<.001, ** p<.01, * p<.05*

Table S8. Alternative model specifications for women with children: with control for parental leave duration

	(1)	(2)	(3)	(4)	(5)	(6)
	Base model: Females with children <5	Base model, With control for parental leave duration	With control for parental leave duration, squared	Same as (2) Without control for family transfers	Same as (4) Females with children aged 1-4	Same as (5) Logit model, Country & Time fixed effects
ECEC spending, std.	1.064	1.073	1.071	1.073	1.331***	1.080
	(0.050)	(0.051)	(0.049)	(0.052)	(0.121)	(0.053)
ALMP spending, std.	0.974	0.956	0.958	0.956	0.926**	0.910**
	(0.034)	(0.035)	(0.035)	(0.033)	(0.036)	(0.035)
ECEC X ALMP	1.145***	1.164***	1.162***	1.163***	1.159***	1.084*
	(0.050)	(0.055)	(0.055)	(0.051)	(0.060)	(0.048)
Lag employed (t-1)	18.881***	19.295***	19.293***	19.295***	23.822***	23.915***
	(2.867)	(2.975)	(2.974)	(2.977)	(3.443)	(3.475)
Education: Lower sec.	1.130	1.127	1.126	1.127	1.076	1.068
	(0.205)	(0.205)	(0.205)	(0.205)	(0.177)	(0.179)
Upper secondary	1.580**	1.578**	1.578**	1.578**	1.579**	1.565**
	(0.317)	(0.320)	(0.320)	(0.320)	(0.282)	(0.286)
Tertiary	2.157***	2.161***	2.160***	2.161***	2.222***	2.198***
	(0.461)	(0.467)	(0.467)	(0.467)	(0.417)	(0.424)
Age (centered)	1.027***	1.028***	1.028***	1.028***	1.020***	1.020***
	(0.006)	(0.006)	(0.006)	(0.006)	(0.007)	(0.007)
Household size	0.926***	0.927***	0.927***	0.927***	0.894***	0.893***
	(0.019)	(0.020)	(0.020)	(0.020)	(0.017)	(0.017)
Health (good-bad)	0.923***	0.923***	0.923***	0.923***	0.896***	0.897***
	(0.018)	(0.019)	(0.019)	(0.019)	(0.017)	(0.017)
Married	0.884***	0.874***	0.874***	0.874***	0.879***	0.883***
	(0.032)	(0.032)	(0.032)	(0.032)	(0.035)	(0.035)
Children aged 0	0.359***	0.361***	0.361***	0.361***		
	(0.054)	(0.054)	(0.054)	(0.054)		
Poor (<60% median)	0.487***	0.487***	0.487***	0.487***	0.490***	0.488***
	(0.041)	(0.042)	(0.042)	(0.042)	(0.042)	(0.042)
Unemployment rate	0.999	0.999	0.999	0.999	0.991	0.994
	(0.006)	(0.006)	(0.006)	(0.005)	(0.006)	(0.006)
GDP growth rate	0.994	1.000	1.000	1.000	1.001	0.990
	(0.007)	(0.008)	(0.009)	(0.008)	(0.010)	(0.010)
Dependency ratio	1.013*	1.013*	1.011	1.013*	0.997	0.928***
	(0.007)	(0.007)	(0.008)	(0.007)	(0.009)	(0.021)
Social protection	0.946**	0.948**	0.949**	0.949***	0.935***	0.940***
	(0.022)	(0.024)	(0.025)	(0.015)	(0.018)	(0.016)
Family transfers	0.960	1.004	0.993			
	(0.059)	(0.070)	(0.077)			
Paid maternity and parental leave, in weeks		0.997***	0.999	0.997***	0.996***	0.995***
		(0.001)	(0.002)	(0.001)	(0.000)	(0.000)
Paid maternity and parental leave, squared			1.000			
			(0.000)			
Time & Country FE	No	No	No	No	No	Yes
Variance countries	0.307***	0.262***	0.262***	0.261***	0.195***	
	(0.099)	(0.092)	(0.091)	(0.084)	(0.066)	
Variance individuals	0.000	0.000	0.000	0.000	0.000	
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	
N observations	150,508	143,961	143,961	143,961	117,426	117,426
N individuals	70,251	67,366	67,366	67,366	61,619	
N countries	26	26	26	26	26	
AIC	123728	117933	117934	117931	90136	89918
BIC	123927	118141	118151	118129	90320	90159
Pseudo R^2						0.4192

*Robust-cluster standard errors in parentheses. *** p<.001, ** p<.01, * p<.05*

Figure S7. Average marginal effect plots of ALMP–ECEC interaction on probability to be employed for women with children under age five: ECEC effect conditional on ALMP efforts (left panel), and ALMP conditional on ECEC efforts (right panel), with control for **length of paid maternity and parental leave**.

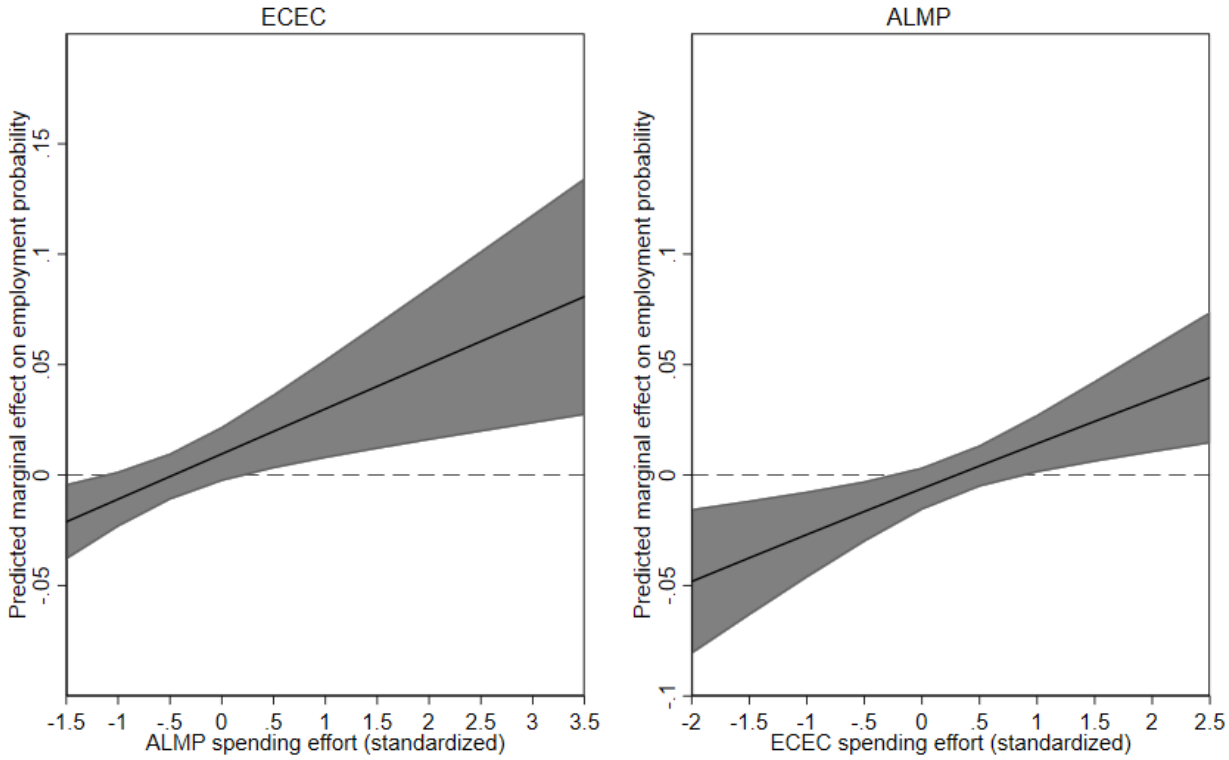
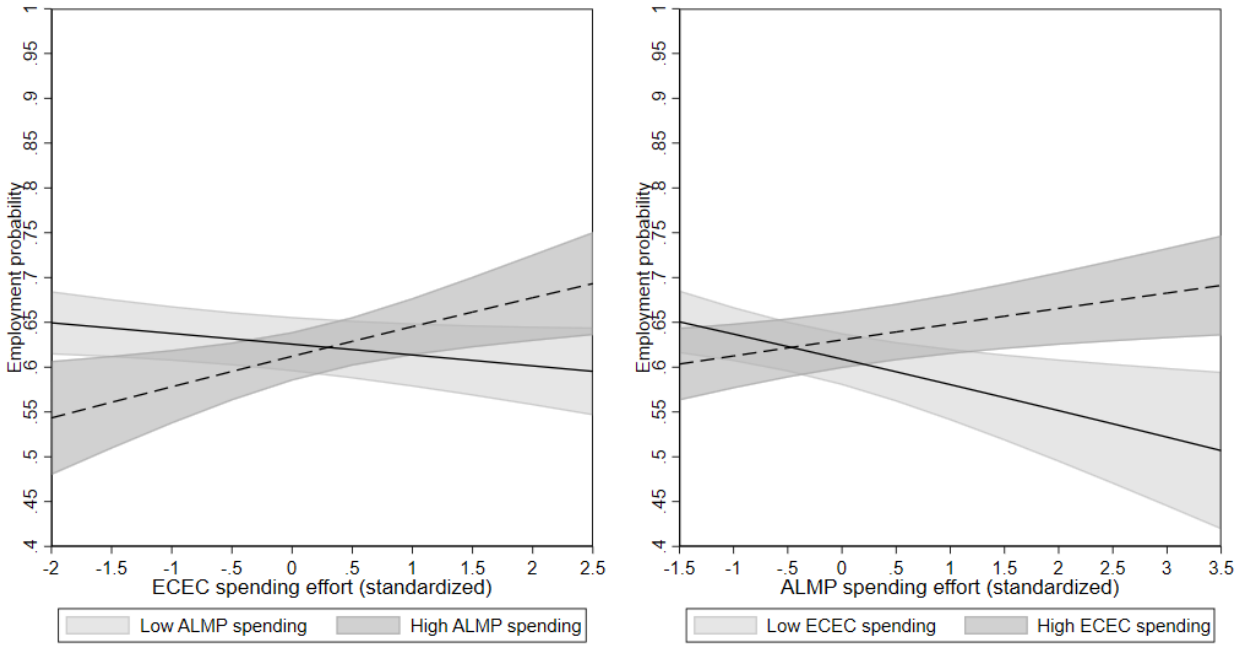


Figure S8. Predicted probability to be employed across ALMP & ECEC spending distribution, at low and high ECEC & ALMP spending levels. With control for **length of paid maternity and parental leave.**



Source: Authors' calculations using Eurostat EU-SILC longitudinal data 2003-2019.
Note: Low/High ECEC and ALMP spending at 10th and 90th percentile. Shades denote 95% confidence intervals. Sample: Females with children under age 5. Full model in Table S8, model (2).

Table S9. Predicted change in the odds of being employed: individuals with children under age 5 living with and without a partner in the household (couple vs. single).

	Female				Male			
	(1) Partner	(2) Partner	(3) Without partner	(4) Without partner	(5) Partner	(6) Partner	(7) Without partner	(8) Without partner
ECEC spending, std.	1.005	1.057	1.073	1.094	0.981	0.997	1.080	1.092
	(0.050)	(0.058)	(0.067)	(0.066)	(0.059)	(0.060)	(0.059)	(0.060)
ALMP spending, std.	0.954	0.963	1.105**	1.089*	1.108	1.091	1.031	1.008
	(0.043)	(0.035)	(0.052)	(0.055)	(0.072)	(0.068)	(0.131)	(0.140)
ECEC X ALMP		1.137***		1.074*		1.061		1.053
		(0.056)		(0.044)		(0.052)		(0.070)
Lag employed (t-1)	19.156***	19.136***	16.157***	16.151***	21.390***	21.406***	17.263***	17.276***
	(3.164)	(3.161)	(1.513)	(1.513)	(2.489)	(2.492)	(2.527)	(2.524)
Education: Lower sec.	1.086	1.083	1.382***	1.376***	0.944	0.943	0.974	0.976
	(0.217)	(0.217)	(0.126)	(0.126)	(0.076)	(0.077)	(0.122)	(0.122)
Upper secondary	1.553**	1.547*	1.772***	1.764***	1.372***	1.369***	1.440***	1.440***
	(0.349)	(0.348)	(0.151)	(0.151)	(0.118)	(0.118)	(0.139)	(0.139)
Tertiary	2.106***	2.098***	2.480***	2.468***	1.822***	1.817***	1.902***	1.901***
	(0.505)	(0.505)	(0.205)	(0.206)	(0.189)	(0.189)	(0.371)	(0.371)
Age (centered)	1.030***	1.030***	1.023***	1.023***	1.002	1.002	1.012**	1.012**
	(0.007)	(0.007)	(0.005)	(0.005)	(0.003)	(0.003)	(0.006)	(0.006)
Household size	0.904***	0.904***	0.970*	0.970*	0.916***	0.916***	0.948***	0.948***
	(0.020)	(0.020)	(0.017)	(0.017)	(0.017)	(0.017)	(0.014)	(0.014)
Health (good-bad)	0.940***	0.939***	0.844***	0.844***	0.762***	0.762***	0.696***	0.695***
	(0.020)	(0.020)	(0.029)	(0.029)	(0.023)	(0.023)	(0.034)	(0.034)
Married	0.949	0.948	0.944	0.945	1.273***	1.273***	1.135	1.137
	(0.050)	(0.050)	(0.105)	(0.105)	(0.043)	(0.043)	(0.166)	(0.166)
Children aged 0	0.353***	0.353***	0.433***	0.433***	0.932**	0.932**	1.062	1.061
	(0.054)	(0.054)	(0.068)	(0.068)	(0.027)	(0.027)	(0.119)	(0.120)
Poor (<60% median)	0.490***	0.490***	0.461***	0.460***	0.366***	0.366***	0.388***	0.388***
	(0.048)	(0.048)	(0.035)	(0.035)	(0.020)	(0.020)	(0.044)	(0.044)
Unemployment rate	1.003	1.001	0.986	0.984*	0.948***	0.946***	0.950***	0.948***
	(0.007)	(0.006)	(0.009)	(0.009)	(0.007)	(0.007)	(0.013)	(0.014)
GDP growth rate	0.992	0.993	1.003	1.002	1.036***	1.036***	1.035**	1.035**
	(0.007)	(0.007)	(0.008)	(0.008)	(0.007)	(0.007)	(0.016)	(0.016)
Dependency ratio	1.016**	1.015*	1.001	1.002	1.009	1.009	1.001	1.001
	(0.007)	(0.008)	(0.010)	(0.010)	(0.009)	(0.009)	(0.014)	(0.014)
Social protection	0.943**	0.942**	1.002	1.000	0.988	0.989	0.967	0.968
	(0.024)	(0.022)	(0.020)	(0.020)	(0.014)	(0.014)	(0.023)	(0.023)
Family transfers	0.936	0.974	0.809***	0.826**	0.953	0.957	0.965	0.974
	(0.056)	(0.064)	(0.066)	(0.072)	(0.075)	(0.075)	(0.097)	(0.094)
Variance countries	0.444***	0.370***	0.113***	0.112**	0.060***	0.050**	0.056	0.058
	(0.151)	(0.127)	(0.042)	(0.043)	(0.023)	(0.022)	(0.070)	(0.070)
Variance individuals	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000*
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
N observations	131,702	131,702	18,806	18,806	127,300	127,300	7,208	7,208
N individuals	61,292	61,292	10,788	10,788	58,609	58,609	4,559	4,559
N countries	26	26	26	26	26	26	26	26
AIC	107581	107561	15992	15992	43418	43418	4871	4873
BIC	107767	107757	16141	16149	43604	43613	5002	5011

Source: Authors' calculations, pooled EU-SILC longitudinal survey data from 26 countries and 381 surveys (2003-2019).
Notes: Multilevel mixed effects logistic panel regression models. Robust standard errors in brackets.
Standard errors adjusted for countries (26 clusters). * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$
ALMP = active labour market policy; ECEC = early childhood education and care; GDP = Gross Domestic Product.

Table S10. Alternative model specifications: Excluding countries and country groups

	(1) Base model: female, children <5	(2) Without Iceland	(3) Without Switzerland	(4) Without Eastern European countries (EE, LT, LV, PL)	(5) Without Central European countries (CZ, HU, SK, SI)	(6) Without Southern European countries (ES, GR, IT, PT)	(7) Without Northern European countries (DK, NO, SE)
ECEC spending, std.	1.064	1.065	1.058	1.099	1.054	1.055	1.011
	(0.050)	(0.051)	(0.049)	(0.065)	(0.059)	(0.050)	(0.032)
ALMP spending, std.	0.974	0.976	0.975	0.945*	0.979	0.993	0.975
	(0.034)	(0.035)	(0.034)	(0.032)	(0.044)	(0.037)	(0.032)
ECEC X ALMP	1.145***	1.138***	1.140***	1.151**	1.136**	1.151***	1.081**
	(0.050)	(0.050)	(0.050)	(0.064)	(0.060)	(0.050)	(0.039)
Lag employed (t-1)	18.881***	19.149***	19.147***	19.825***	21.377***	15.750***	18.949***
	(2.867)	(2.925)	(2.950)	(3.512)	(3.186)	(2.729)	(2.935)
Education: Lower sec.	1.130	1.117	1.129	1.078	1.086	1.006	1.147
	(0.205)	(0.203)	(0.206)	(0.218)	(0.194)	(0.233)	(0.208)
Upper secondary	1.580**	1.581**	1.586**	1.526*	1.478**	1.428	1.576**
	(0.317)	(0.317)	(0.320)	(0.352)	(0.289)	(0.377)	(0.316)
Tertiary	2.157***	2.158***	2.151***	2.023***	2.152***	1.916**	2.157***
	(0.461)	(0.462)	(0.462)	(0.488)	(0.460)	(0.550)	(0.462)
Age (centered)	1.027***	1.027***	1.028***	1.024***	1.020***	1.034***	1.027***
	(0.006)	(0.006)	(0.006)	(0.008)	(0.005)	(0.007)	(0.006)
Household size	0.926***	0.926***	0.925***	0.913***	0.923***	0.912***	0.926***
	(0.019)	(0.019)	(0.019)	(0.021)	(0.022)	(0.026)	(0.019)
Health (good-bad)	0.923***	0.925***	0.921***	0.914***	0.915***	0.932***	0.928***
	(0.018)	(0.018)	(0.019)	(0.022)	(0.020)	(0.016)	(0.019)
Married	0.884***	0.882***	0.887***	0.859***	0.877***	0.902**	0.881***
	(0.032)	(0.032)	(0.032)	(0.034)	(0.033)	(0.038)	(0.033)
Children aged 0	0.359***	0.367***	0.360***	0.386***	0.366***	0.334***	0.356***
	(0.054)	(0.054)	(0.055)	(0.056)	(0.059)	(0.063)	(0.055)
Poor (<60% median)	0.487***	0.489***	0.488***	0.436***	0.498***	0.499***	0.488***
	(0.041)	(0.041)	(0.041)	(0.025)	(0.047)	(0.059)	(0.042)
Unemployment rate	0.999	0.999	0.999	0.996	0.997	1.004	1.001
	(0.006)	(0.006)	(0.006)	(0.007)	(0.006)	(0.009)	(0.006)
GDP growth rate	0.994	0.993	0.994	1.004	0.992	0.992	0.994
	(0.007)	(0.007)	(0.007)	(0.009)	(0.005)	(0.007)	(0.007)
Dependency ratio	1.013*	1.014*	1.013*	1.017*	1.016*	1.014	1.015**
	(0.007)	(0.007)	(0.007)	(0.009)	(0.008)	(0.009)	(0.007)
Social protection	0.946**	0.946**	0.947**	0.943**	0.952**	0.952*	0.947**
	(0.022)	(0.022)	(0.022)	(0.026)	(0.024)	(0.026)	(0.024)
Family transfers	0.960	0.955	0.956	1.002	0.943	0.947	0.949
	(0.059)	(0.058)	(0.059)	(0.096)	(0.064)	(0.062)	(0.060)
Variance countries	0.307***	0.298***	0.318***	0.312***	0.244***	0.339**	0.255***
	(0.099)	(0.098)	(0.101)	(0.104)	(0.083)	(0.138)	(0.084)
Variance individuals	0.000	0.000	0.000	0.000	0.000	0.074	0.000
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.120)	(0.000)
N observations	150,508	149,063	148,173	123,118	128,155	110,825	143,547
N individuals	70,251	69,517	69,129	56,891	59,688	50,466	66,939
N countries	26	25	25	22	22	22	23
AIC	123728	122259	121306	97663	101628	94384	120568
BIC	123927	122457	121505	97858	101823	94586	120766

Table S11. Odds Ratios of being employed: comparing contexts with low and high social spending

	(1) Base model: female, children <5	(2) Low social protection spending	(3) Low social protection spending	(4) Low spending on family cash transfers	(5) High social protection spending	(6) High social protection spending	(7) High spending on family cash transfers
ECEC spending, std.	1.064	0.954	1.109**	1.149	1.237	1.226	0.942
	(0.050)	(0.045)	(0.047)	(0.109)	(0.183)	(0.167)	(0.093)
ALMP spending, std.	0.974	1.066	1.109***	0.955	1.043	1.030	1.396*
	(0.034)	(0.084)	(0.034)	(0.043)	(0.075)	(0.071)	(0.254)
ECEC X ALMP	1.145***		1.236***	1.125		1.028	1.350***
	(0.050)		(0.045)	(0.102)		(0.090)	(0.148)
Lag employed (t-1)	18.881***	17.328***	17.332***	23.024***	18.488***	18.482***	17.162***
	(2.867)	(3.615)	(3.608)	(3.711)	(4.678)	(4.681)	(3.702)
Education: Lower sec.	1.130	1.450**	1.443**	1.303***	1.608***	1.609***	0.857
	(0.205)	(0.228)	(0.226)	(0.112)	(0.272)	(0.272)	(0.192)
Upper secondary	1.580**	2.028***	2.015***	1.798***	2.475***	2.477***	1.124
	(0.317)	(0.300)	(0.296)	(0.129)	(0.396)	(0.396)	(0.322)
Tertiary	2.157***	2.734***	2.717***	2.591***	3.844***	3.846***	1.463
	(0.461)	(0.277)	(0.276)	(0.145)	(0.479)	(0.479)	(0.453)
Age (centered)	1.027***	1.037***	1.037***	1.024***	1.021***	1.021***	1.028**
	(0.006)	(0.007)	(0.007)	(0.006)	(0.007)	(0.007)	(0.012)
Household size	0.926***	0.960***	0.959***	0.947***	0.864***	0.864***	0.900***
	(0.019)	(0.010)	(0.010)	(0.017)	(0.036)	(0.036)	(0.032)
Health (good-bad)	0.923***	0.930***	0.929***	0.882***	0.881***	0.881***	0.954**
	(0.018)	(0.025)	(0.025)	(0.024)	(0.021)	(0.021)	(0.021)
Married	0.884***	0.925*	0.926*	0.836***	0.832***	0.832***	0.897*
	(0.032)	(0.041)	(0.041)	(0.043)	(0.034)	(0.034)	(0.059)
Children aged 0	0.359***	0.301***	0.300***	0.420***	0.315***	0.315***	0.358***
	(0.054)	(0.066)	(0.066)	(0.058)	(0.078)	(0.078)	(0.112)
Poor (<60% median)	0.487***	0.543***	0.543***	0.500***	0.412***	0.413***	0.475***
	(0.041)	(0.068)	(0.068)	(0.059)	(0.031)	(0.031)	(0.057)
Unemployment rate	0.999	1.012	1.008	0.992	1.007	1.006	1.007
	(0.006)	(0.010)	(0.009)	(0.006)	(0.015)	(0.015)	(0.015)
GDP growth rate	0.994	0.999	0.996	1.028**	1.011	1.011	0.987**
	(0.007)	(0.008)	(0.008)	(0.014)	(0.014)	(0.014)	(0.006)
Dependency ratio	1.013*	1.005	1.003	0.994	1.009	1.009	1.019
	(0.007)	(0.014)	(0.014)	(0.016)	(0.020)	(0.019)	(0.021)
Social protection	0.946**						
	(0.022)						
Family transfers	0.960						
	(0.059)						
Variance countries	0.307***	0.287***	0.222***	0.175***	0.166*	0.166**	0.168**
	(0.099)	(0.098)	(0.082)	(0.065)	(0.085)	(0.083)	(0.071)
Variance individuals	0.000	0.000	0.000	0.000	0.060	0.061	0.141
	(0.000)	(0.000)	(0.000)	(0.000)	(0.143)	(0.143)	(0.188)
N observations	150,508	71,541	71,541	73,000	37,904	37,904	40,743
N individuals	70,251	37,133	37,133	37,599	19,273	19,273	19,837
N countries	26	17	17	19	14	14	11
AIC	123728	63000	62979	56924	28294	28295	36286
BIC	123927	63156	63135	57090	28405	28415	36372

Source: Authors' calculations, EU-SILC longitudinal data 2003-2019. *** p<0.01, ** p<0.05, * p<0.1

Social spending: total annual public spending on social protection, after subtracting spending on ECEC, ALMP, pensions and survivors' pensions. Low and high spending are defined as below the median and above 75th percentile respectively in the sample analyzed.