

Long-term Trends in Employment Trajectories among Women around First Childbirth in Japan: Limited Role of Supply-side Change

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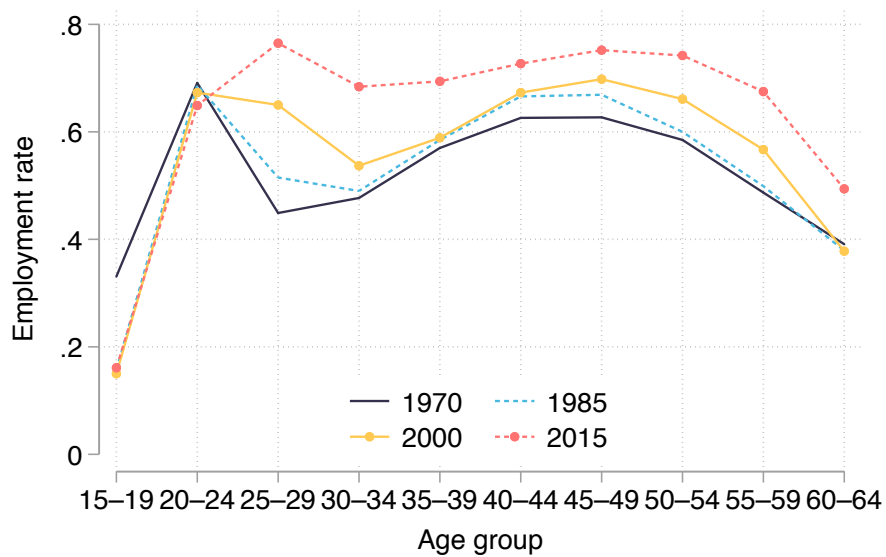


Figure 1: Changes of “M-shape” curve: employment rate by age and survey year
 Source: Labor Force Survey.

Table 1: Typical sequences of each employment pattern

Consistently attached		Consistently detached		Detached at childbirth		Early returned		Late returned		Increasingly detached	
Sequence	N	Sequence	N	Sequence	N	Sequence	N	Sequence	N	Sequence	N
111111111111	1160	00000000000000	603	11000000000000	457	11000001111111	45	11000000000011	59	11111000000000	18
011111111111	68	00000000000001	42	10000000000000	435	11000001111111	39	11000000001111	51	11111111000000	15
001111111111	45	00000000001000	2	11100000000000	214	11000011111111	39	11000000000111	46	11111100000000	14
000111111111	30	00000011000000	2	11110000000000	53	11000111111111	33	00000000001111	43	11111100000000	13
110111111111	19	0000000000100	1	10000000000001	37	10000001111111	31	00000000000111	42	11111111000000	12
100111111111	16	0000000010000	1	11000000000001	35	10000011111111	31	10000000000111	40	11111111110000	12
111011111111	15	0000000011000	1	11100000000001	28	10000011111111	31	10000000000011	38	11111111100000	9
101111111111	13	0000000100001	1	01000000000000	25	00000111111111	27	11000000011111	37	11111111110000	7
111111111110	10	0000001000000	1	01100000000000	17	00000111111111	24	00000000011111	35	11111111001111	5
111111111011	4	0000001000000	1	11110000000001	8	11100001111111	23	10000000011111	32	11111000011111	4
111110111111	3			00100000000000	7	11100000111111	22	00000000000011	29	01111100000000	3
111111110111	3			00110000000000	3	00000001111111	21	10000000001111	29	11000011110000	3
111111110111	3			10010000000000	3	00000001111111	19	11100000000011	26	11100011110000	3
111111111101	3			00010000000000	2	00001111111111	18	11100000000111	22	11110000000011	3
111101111111	2			01000000000001	2	10000111111111	18	11100000011111	22	11110000000011	3
				01100000000001	2	11001111111111	18			11111000000011	3
				01110000000000	2					11111111110001	3
				10100000000000	2						
				11000000000010	2						
				11000000001000	2						
				11000000010000	2						
				11000100000000	2						
				11010000000000	2						
				11100000000100	2						
Subtotal	1394		655		1344		439		551		130
Total	1403		655		1358		622		693		264
Proportion	99.4		100.0		99.0		70.6		79.5		49.2

Source: SSMI985–2015. Notes: Each number indicates respondents' employment situations from three years before to ten years after first childbirth. 1 indicates employed, 0 indicates not-employed.

Table 2: Multinomial logit model predicting women’s employment pattern around first childbirth

Model 1	Low attached	Detached at childbirth	Early returned	Late returned	Increasingly detached
1976–1985	−0.390*** (0.116)	0.048 (0.093)	0.150 (0.129)	0.135 (0.120)	−0.008 (0.171)
1986–1995	−0.522*** (0.157)	0.138 (0.115)	0.653*** (0.142)	0.529*** (0.136)	0.220 (0.195)
1996–2005	−0.462* (0.192)	−0.308* (0.148)	0.650*** (0.164)	0.272 (0.166)	0.309 (0.231)
1995	0.259 (0.207)	−0.008 (0.187)	−0.304 (0.283)	−0.342 (0.255)	0.016 (0.416)
2005	0.096 (0.191)	0.168 (0.168)	0.130 (0.244)	0.094 (0.219)	0.703 (0.360)
2015	0.026 (0.194)	0.353* (0.169)	0.519* (0.241)	0.397 (0.218)	0.729* (0.361)
Constant	−0.629*** (0.165)	−0.260 (0.148)	−1.358*** (0.216)	−1.070*** (0.193)	−2.351*** (0.331)
LR Chi-sq			231.473		
Pseudo R-sq			0.014		
N			4995		
Model 2	Low attached	Detached at childbirth	Early returned	Late returned	Increasingly detached
1976–1985	−0.555*** (0.122)	−0.008 (0.098)	0.267* (0.134)	0.193 (0.125)	0.153 (0.178)
1986–1995	−0.804*** (0.169)	0.138 (0.124)	0.871*** (0.153)	0.707*** (0.147)	0.474* (0.210)
1996–2005	−0.854*** (0.208)	−0.237 (0.159)	0.926*** (0.178)	0.512** (0.179)	0.653** (0.249)
1995	0.240 (0.209)	0.033 (0.189)	−0.309 (0.285)	−0.342 (0.256)	0.013 (0.417)
2005	0.121 (0.193)	0.224 (0.171)	0.135 (0.246)	0.097 (0.221)	0.689 (0.362)
2015	0.039 (0.196)	0.429* (0.171)	0.562* (0.243)	0.443* (0.220)	0.739* (0.362)
High school	0.210 (0.135)	0.589*** (0.117)	0.317* (0.151)	0.306* (0.143)	0.047 (0.194)
Vocational school	0.019 (0.184)	0.077 (0.155)	0.024 (0.194)	−0.007 (0.186)	0.014 (0.250)
Junior college	0.613*** (0.184)	0.650*** (0.158)	−0.166 (0.214)	0.210 (0.193)	−0.251 (0.290)
University or more	0.207 (0.204)	0.337 (0.173)	−0.403 (0.235)	−0.345 (0.226)	−0.388 (0.325)
Age at first childbirth	0.235 (0.131)	0.033 (0.113)	−0.214 (0.125)	−0.133 (0.129)	−0.270 (0.179)
Age at first childbirth, sq	−0.003 (0.002)	−0.001 (0.002)	0.002 (0.002)	0.001 (0.002)	0.003 (0.003)
Two children	0.137 (0.137)	0.504*** (0.123)	−0.177 (0.133)	0.510*** (0.148)	−0.342 (0.186)
Three or more children	−0.129 (0.159)	0.587*** (0.133)	−0.653*** (0.156)	0.275 (0.163)	−0.326 (0.204)
Constant	−5.037** (1.848)	−1.214 (1.538)	2.595 (1.715)	0.828 (1.763)	2.861 (2.412)
LR Chi-sq			575.724		
Pseudo R-sq			0.035		
N			4995		

Source: SSM1985–2015.

Notes: * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ (Two-tailed tests).