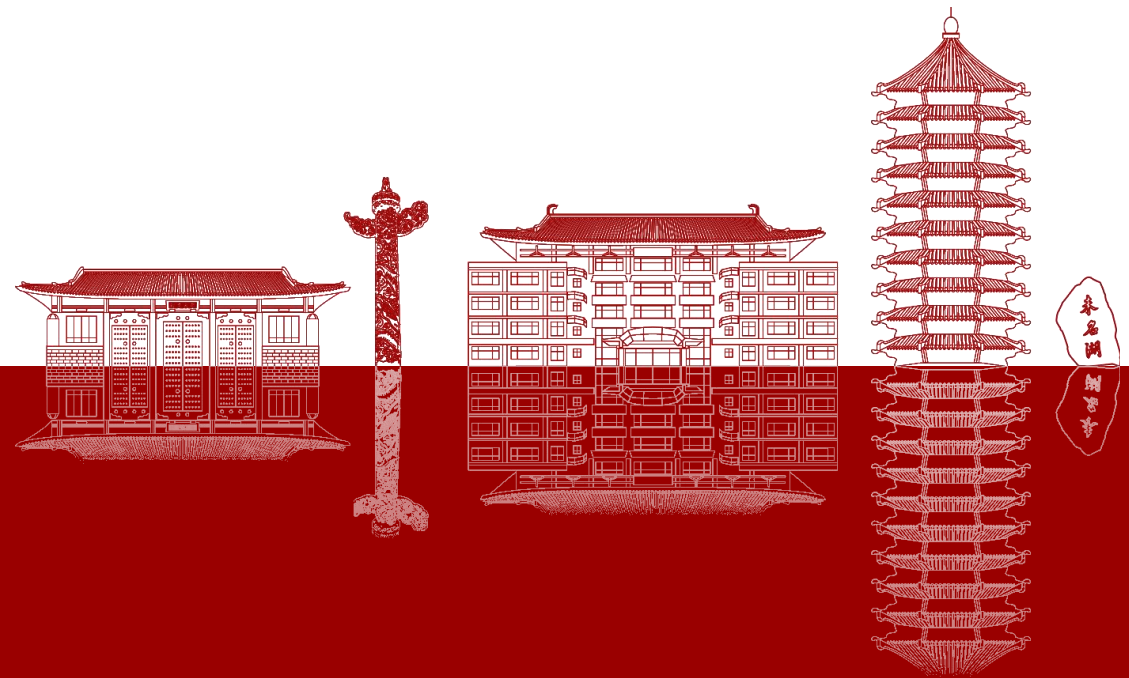


Analysis of the Personal Histories of the First Generation of Migrant Workers and Their Health and Retirement Conditions in Later Life

Instructor: Dandan Zhang

Reporter: Xinyuan Lyu



Data, Sample Definition, and Sample Overview



1.1 Data

- **CHARLS (China Health and Retirement Longitudinal Study Life History Survey Questionnaire 2014):**
- This dataset includes approximately **20,000** middle-aged and elderly individuals aged **45** and above, offering detailed life course data on their **work history**, **migration history**, **hukou history**, **health history**, and **early life experiences**. This rich data resource allows us to depict the life course of migrant workers and to investigate the impact of their experiences on their living conditions in later life.
- **CHARLS first wave (2011):**
- The database encompasses comprehensive data from various aspects of the respondents in 2011, including **family**, **income**, **social interactions**, **economic status**, **health**, **medical care**, and **children**.

1.2 Core Definitions

- **1. Migrant workers (After 1990):** Initially holding a **rural hukou**, and have engaged in **non-steady non-agricultural employment** or **non-agricultural self-employment** across counties, and their first cross-county work experience occurred **after 1990**.
- **2. Workers within the county with agricultural hukou:** Originally holding a **rural hukou**, and have engaged in **non-steady non-agricultural employment** or **non-agricultural self-employment** within the counties and do not have cross-county work experience.
- **3. Traditional Farmer:** Originally holding a **rural hukou**, and have **never** had any non-agricultural experiences.
- **4. Urban local residents:** The original (first) **hukou was non-agricultural**.

1.3 Sample size

- **Migrant workers of different generations:**
- Born before 1950: 94
- Born between 1950 and 1959: 233
- Born between 1960-1969: 561
- Born after 1970: 217
- **Sum: 1,105**

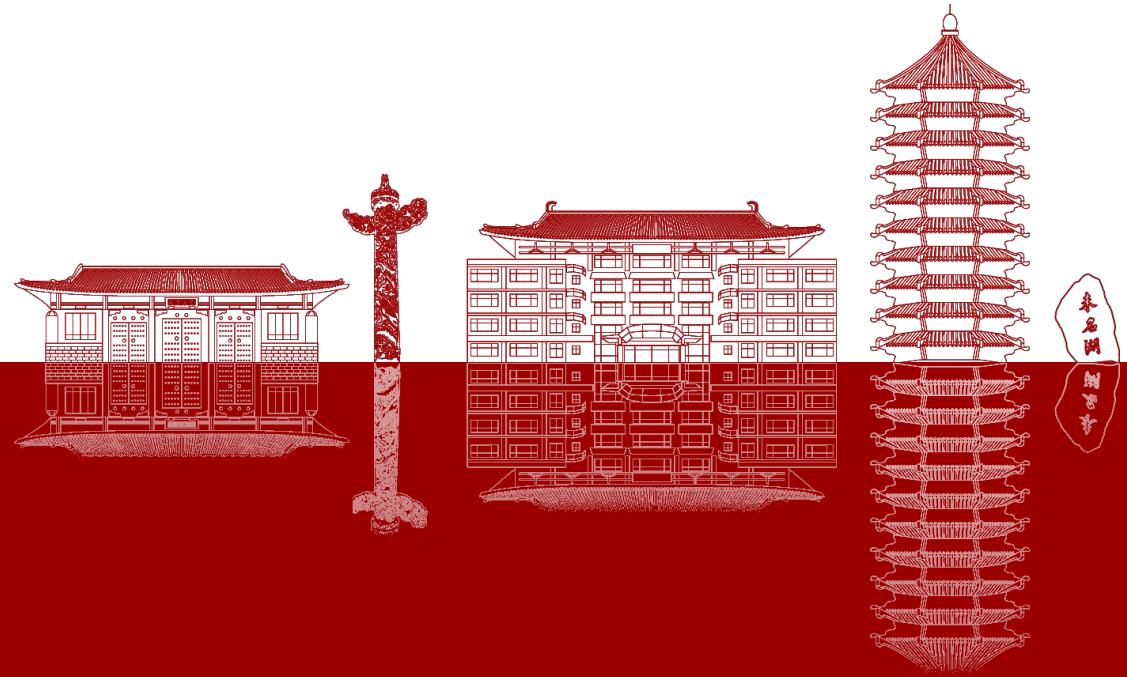
1.Migrant workers (After 1990): 1,105

2.Workers within the county with agricultural hukou: 5193

3.Traditional Farmer: 10,338

4.Urban local residents: 1984

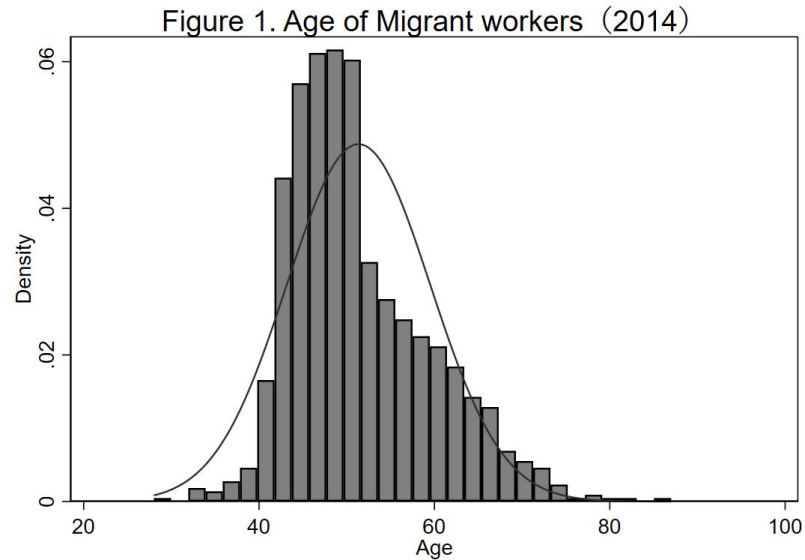
Basic Demographic Characterization of Migrant Workers



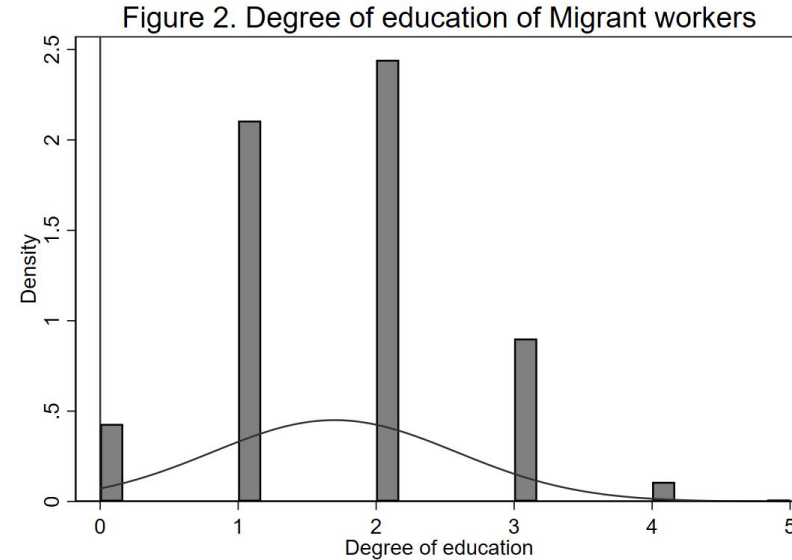
2.1 Gender

Gender: male 613 (55.48%); female 492 (44.52%)

2.2 Current age (2014)



2.3 Degree of education



0: No formal education;
1: Primary school;
2: Junior high school;
3: High school;
4: Bachelor or college degree

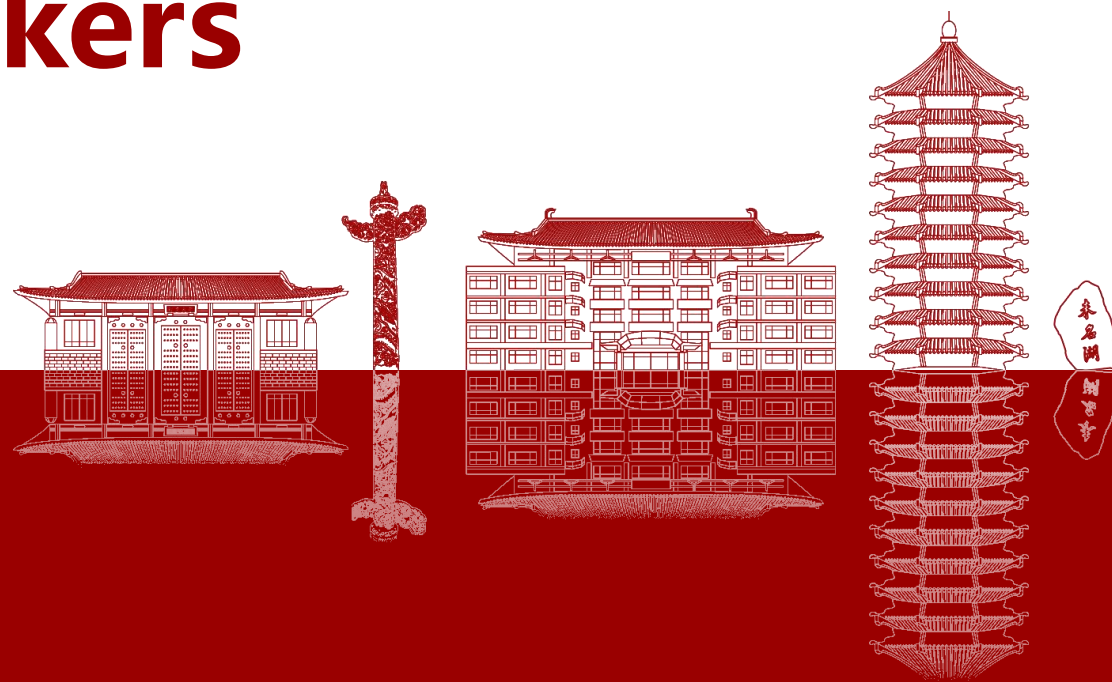
2.4 The province currently living in

Province	Freq.	Percent
Sichuan	97	8.78
Guangdong	84	7.6
Anhui	82	7.42
Henan	81	7.33
Jiangxi	75	6.79
Zhejiang	72	6.52
Hunan	68	6.15
Shandong	68	6.15
Hebei	56	5.07
Neimenggu	50	4.52
Guangxi	44	3.98
Yunnan	41	3.71
Hubei	39	3.53
Jiangsu	33	2.99
Shaanxi	29	2.62
Liaoning	24	2.17

Shanxi	24	2.17
Gansu	22	1.99
Jilin	21	1.9
Fujian	19	1.72
Guizhou	17	1.54
Heilongjiang	15	1.36
Tianjin	15	1.36
Chongqing	13	1.18
Qinghai	7	0.63
Shanghai	4	0.36
Xinjiang	4	0.36
Beijing	1	0.09
Total	1,105	100

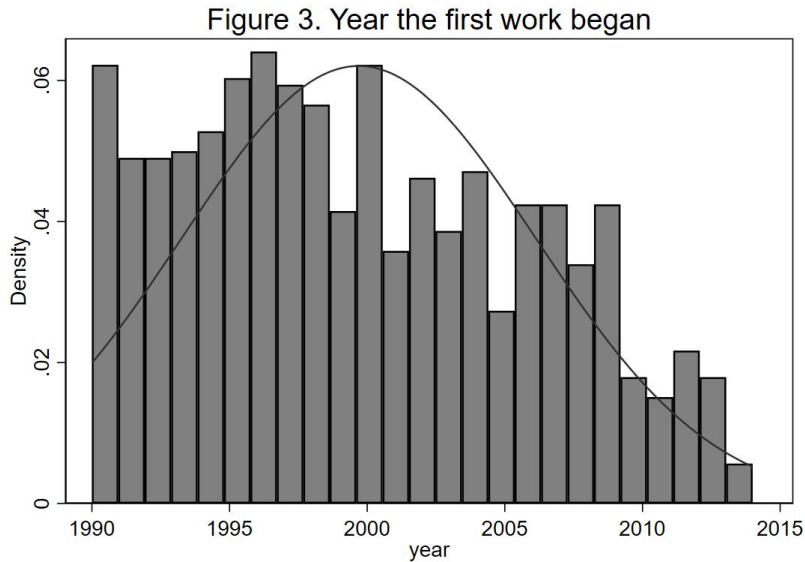
3

Personal history of migrant workers



3.1 Work history

3.1.1 Year the first work began



3.1.2 Age the first work began



3.1.3 Total number of works in the life

1: 550 (49.77 %) ; 2: 318 (28.78) ; 3 and above: 237 (21.45%)

3.1 Work history

3.1.4 The duration of one work

Figure 5.1 Duration of the first work

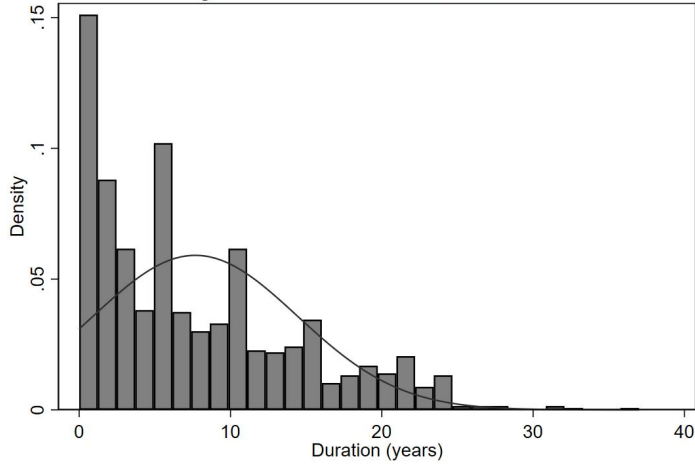


Figure 5.2 Duration of the second work

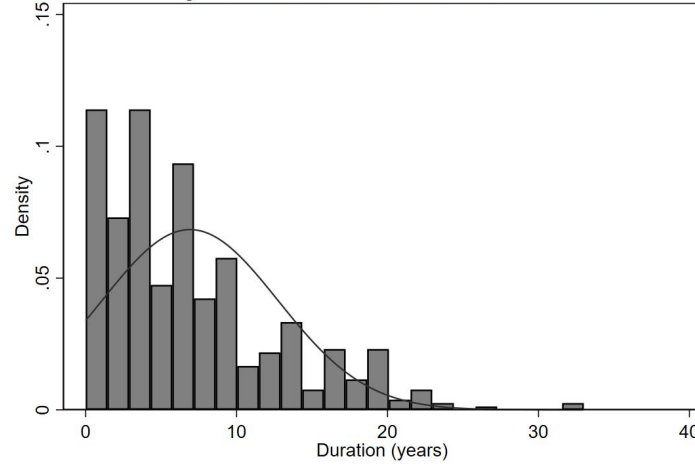


Figure 5.3 Duration of the third work

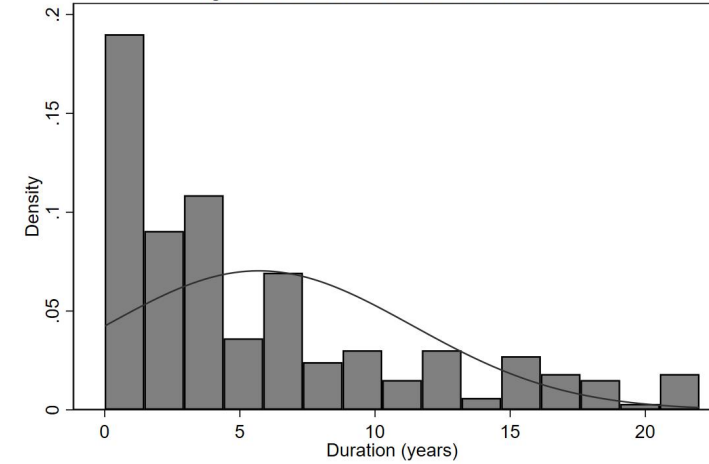


Figure 5.4 Difference in duration between work 2,1

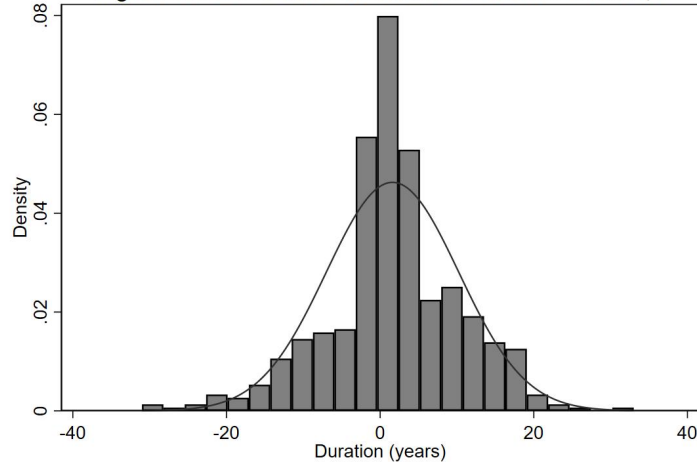
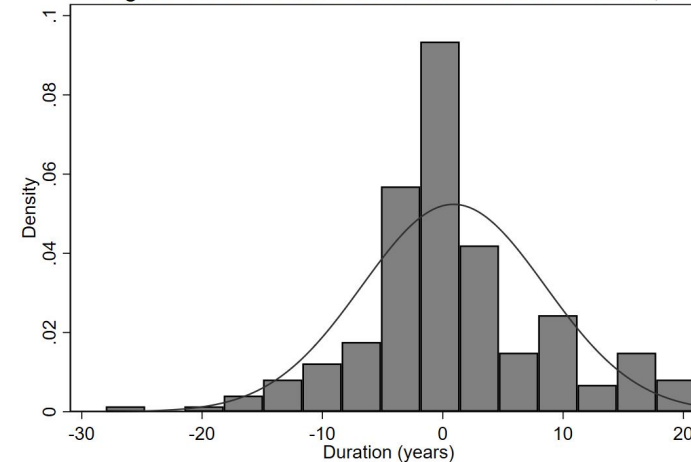


Figure 5.5 Difference in duration between work 3,2



less than one year are recorded as 0.

3.1 Work history

3.1.5 Wage distribution

Figure 6.1.1 early income work 1

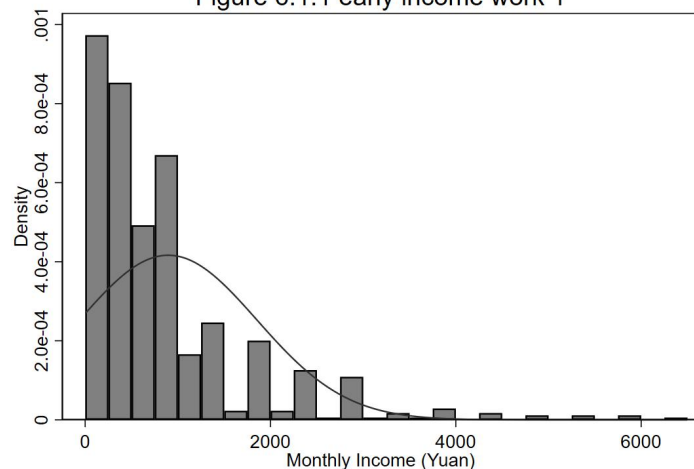


Figure 6.1.2 Defference in late and early income of work 1

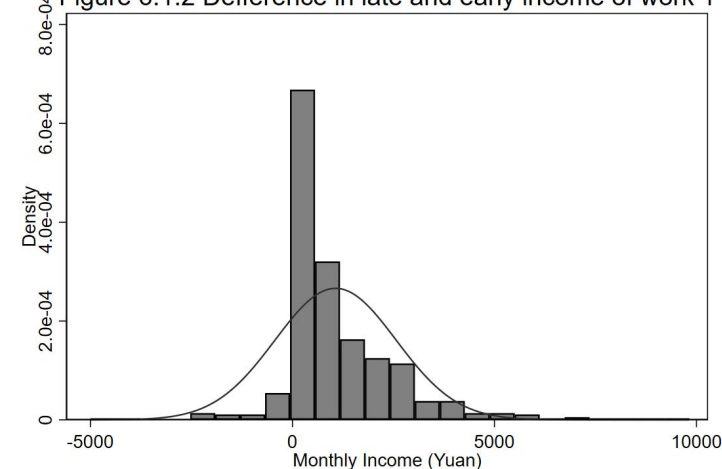


Figure 6.2.1 early income work 2

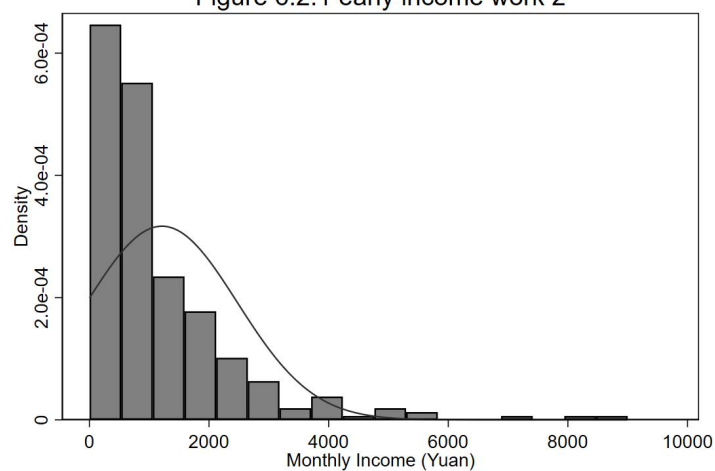
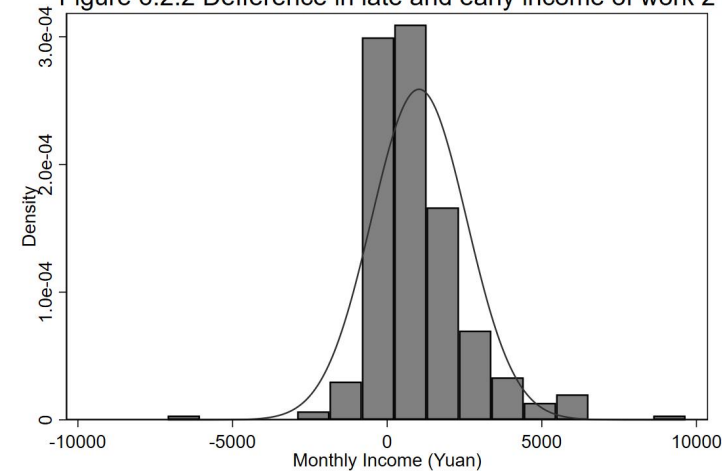
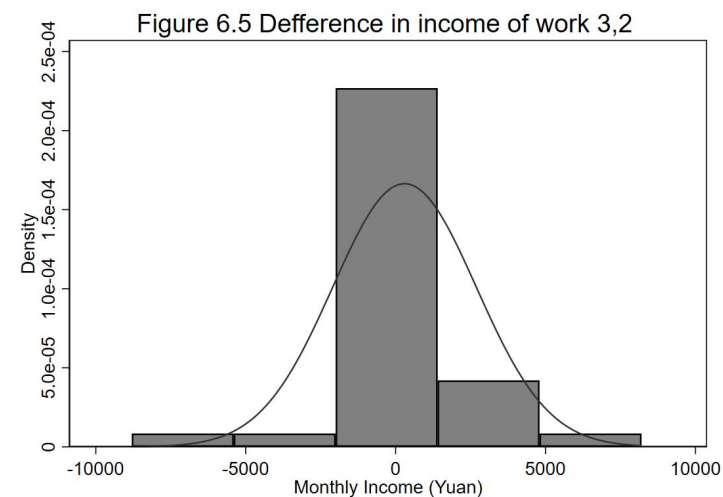
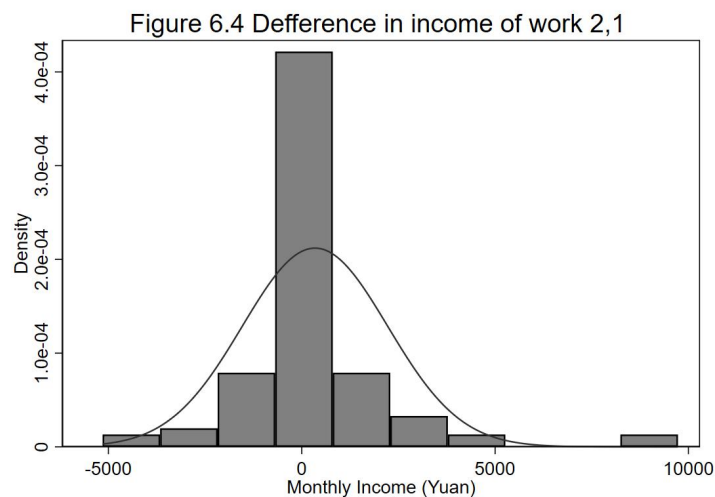
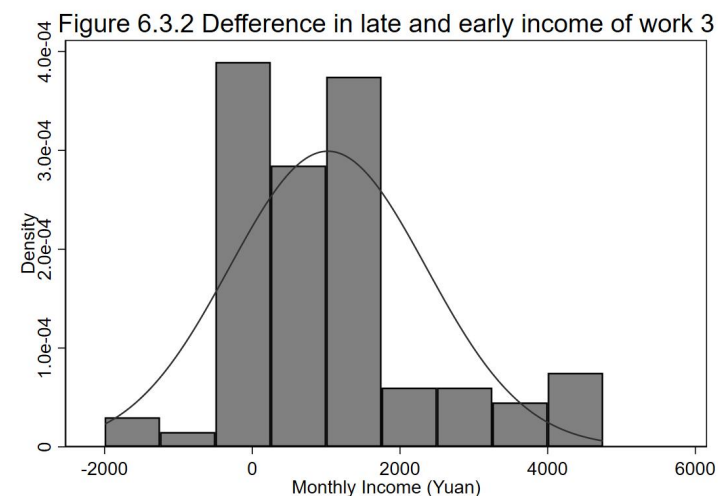
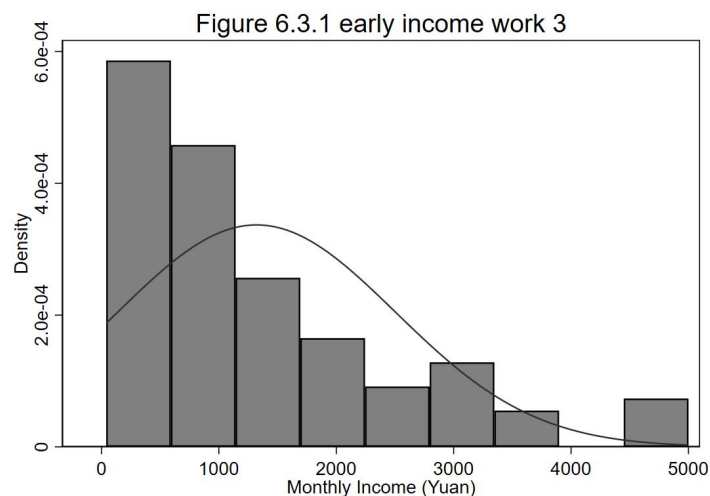


Figure 6.2.2 Defference in late and early income of work 2



3.1 Work history

3.1.5 Wage distribution



3.2 Health and injury history

3.2.1 Disability due to injury or illness

Disability due to injury or illness after Migrant workers experience: 70 (6.33%)

(Non migrant workers group is 8.21%)

Disabled by work injury: 25 (2.26%)

(Non migrant workers group is 1.71%)

3.2.2 The direct negative result of disability

less income: 28

failed to get promoted: 8

fired: 12

reduced working responsibility: 66

Job and qualifications do not match: 10

bullying: 6

3.3 Residence Histoy

3.3.1 Number of places ever lived

2 places: 378

3 places: 399

4 places: 123

5 places: 110

6 places and above: 94

3.3.2 Period of each residence

Figure 7.1 Duration at residence 1

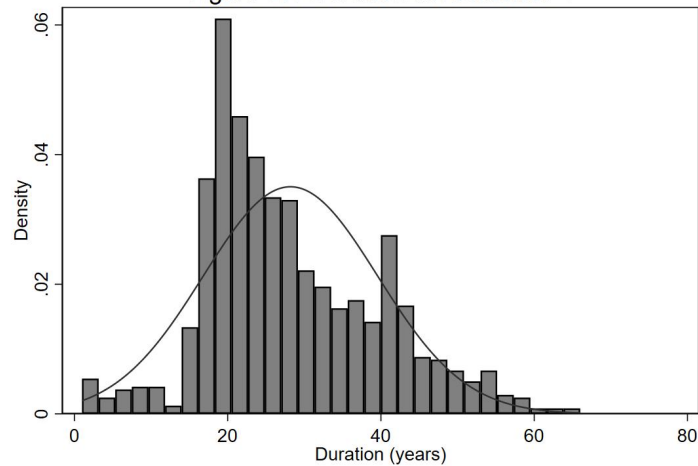


Figure 7.2 Duration at residence 2

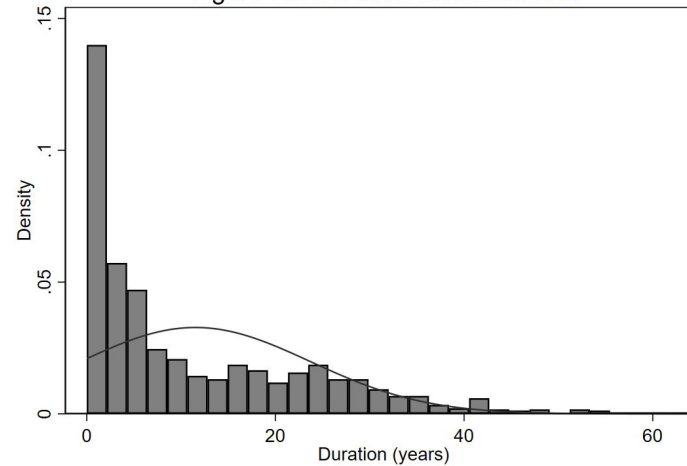
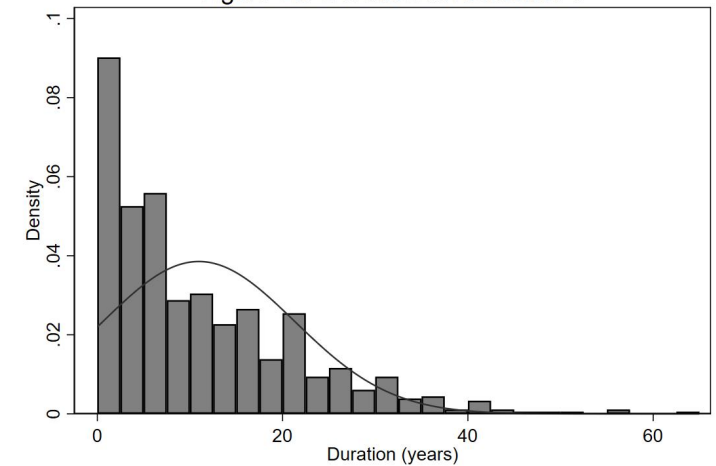


Figure 7.3 Duration at residence 3

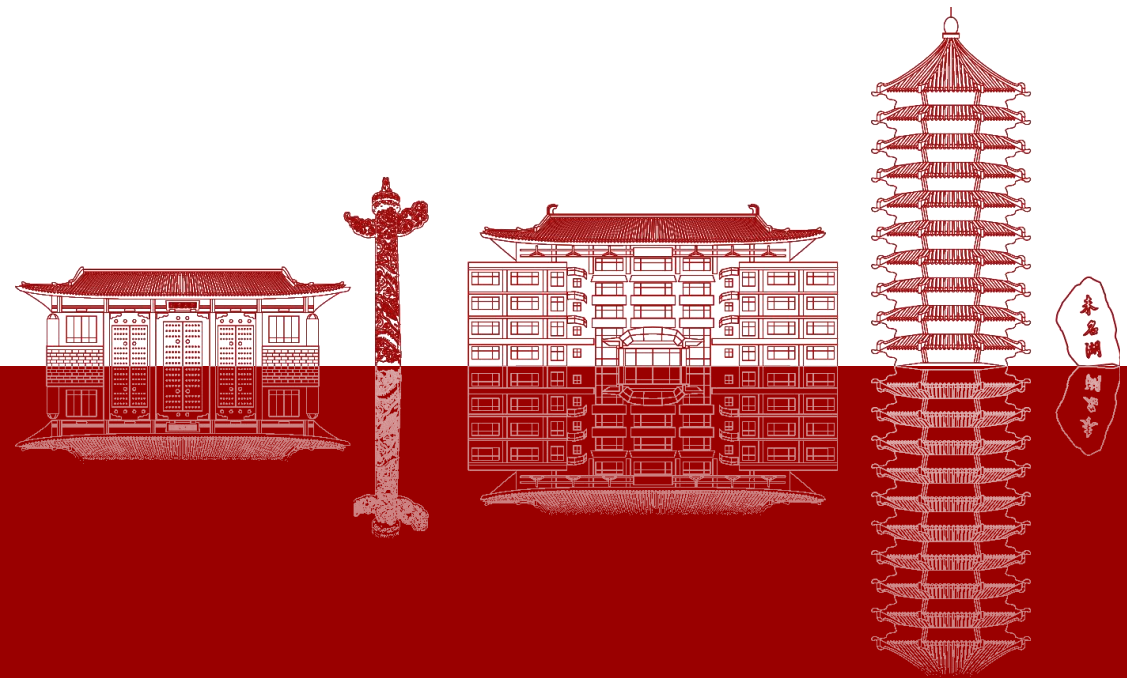


3.4 Hukou History

	initial	First change	Second change	Third change	Fourth change
Only hukou type change	N/A	66	20	1	0
Only hukou location change	N/A	235	54	10	2
Both change	N/A	109	19	2	1
Agricultural hukou	1105	930	891	888	887

eventually settled down as urban hukou: about 220/1105 (19.91%)

Comparison of the situation in old age (2011)



4.1 Comparable samples and matching variables

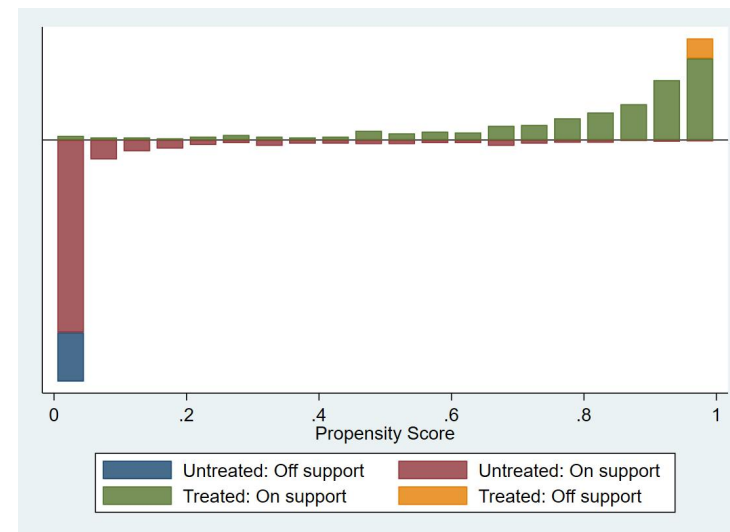
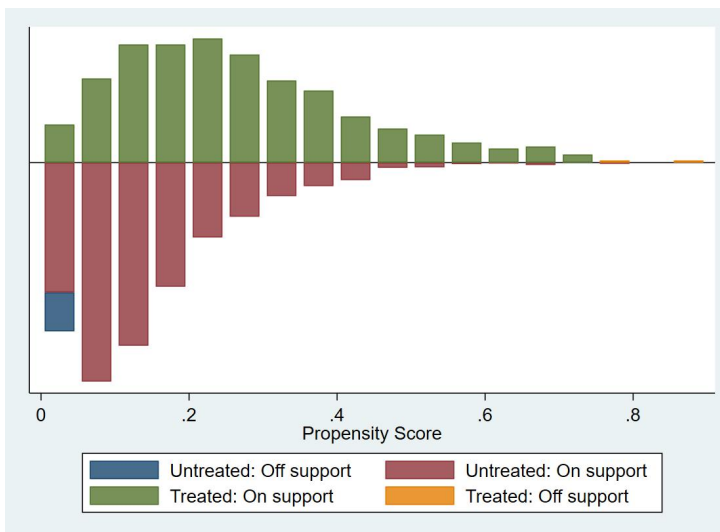
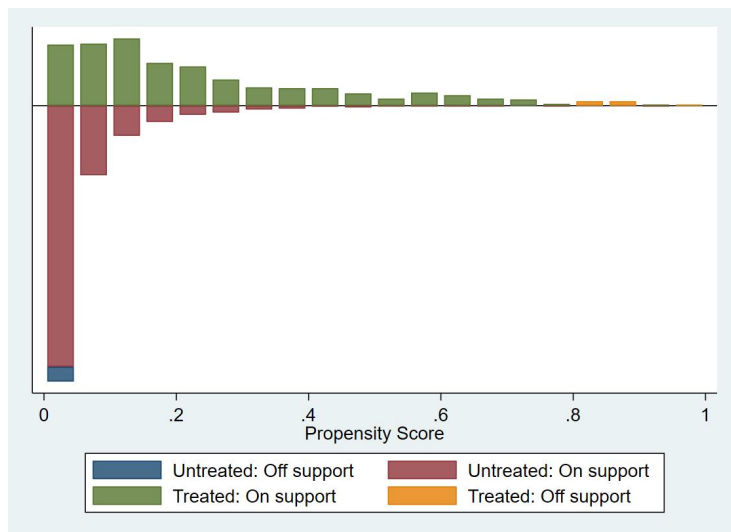
Migrant workers (After 1990) compared with:

1.Traditional Farmer; 2.Workers within the county with agricultural hukou; 3.Urban local residents

matching variables:

Individual level: gender, age, education level, first location, first residence type,

family level: parents' education level, whether parents are party member, number of siblings, early relationship with parents, whether have famine in childhood, family economic conditions in childhood



4.2 Results (All regressions controlled for early characteristic variables)

4.2.1 Work and retirement

Dependent Variables	Compared to farming			Compared to worker within county			Compared to urban local residents		
	migrant workers	Obs	R ²	migrant workers	Obs	R ²	migrant workers	Obs	R ²
Agricultural hukou	-0.0545*** (0.0143)	6405	0.193	0.0297* (0.0158)	2654	0.289	0.5076*** (0.0577)	1014	0.744
Ever steady non-agricultural employed	0.0879*** (0.0126)	6405	0.154	0.0122 (0.0149)	2654	0.155	-0.2299*** (0.0843)	1014	0.525
Ever non-agricultural self-employed	0.4872*** (0.0248)	6405	0.490	0.0854*** (0.0280)	2654	0.113	0.1641** (0.0797)	1014	0.274
Expect high retirement time point	-0.2657*** (0.0228)	6371	0.133	-0.0247 (0.0224)	2644	0.172	0.0031 (0.0558)	1004	0.306
Rely on children	-0.0747*** (0.0224)	6197	0.131	-0.0158 (0.0234)	2576	0.194	0.2400*** (0.0712)	975	0.469
Rely on saving	0.0279** (0.0131)	6197	0.067	0.0152 (0.0140)	2576	0.087	-0.0048 (0.0391)	975	0.170
Rely on pension	0.0523*** (0.0158)	6197	0.174	-0.0090 (0.0178)	2576	0.215	-0.2641*** (0.0718)	975	0.525
employee pensions	0.0873*** (0.0141)	6366	0.108	0.0108 (0.0163)	2642	0.153	-0.2347*** (0.0841)	1009	0.550
rural pension insurance	-0.0290** (0.0122)	6365	0.291	-0.0256* (0.0139)	2640	0.271	0.0213 (0.0234)	1000	0.257
Urban Residents' Pension Insurance	0.0072 (0.0051)	6365	0.062	0.0017 (0.0061)	2640	0.109	-0.0144 (0.0528)	1000	0.148

4.2 Results (All regressions controlled for early characteristic variables)

4.2.2 Income, expenditure and wealth

Dependent Variables (ln)	Compared to farming			Compared to worker within county			Compared to urban local residents		
	migrant workers	Obs	R ²	migrant workers	Obs	R ²	migrant workers	Obs	R ²
expenditure on non-durable goods PC	0.2542*** (0.0375)	6329	0.185	0.0476 (0.0385)	2620	0.251	-0.0894 (0.1449)	993	0.357
expenditure on non-durable goods PC (exclude medicine)	0.2750*** (0.0359)	6329	0.212	0.0521 (0.0371)	2620	0.278	-0.0986 (0.1479)	993	0.365
personal income	2.0047*** (0.2224)	6333	0.315	-0.0706 (0.2267)	2623	0.228	-0.5406 (0.6854)	984	0.358
family income	0.3863*** (0.0845)	6104	0.183	-0.0108 (0.0867)	2554	0.203	-0.5761** (0.2588)	959	0.283
family income PC	0.3972*** (0.0778)	6103	0.179	-0.0262 (0.0801)	2550	0.207	-0.5620** (0.2226)	959	0.337
Family wealth	0.2784*** (0.0669)	5911	0.216	0.0533 (0.0689)	2451	0.234	-0.1578 (0.2341)	928	0.337
Family wealth PC	0.3029*** (0.0683)	5913	0.190	0.0793 (0.0705)	2452	0.214	-0.0856 (0.2390)	928	0.338

4.2 Results (All regressions controlled for early characteristic variables)

4.2.3 Health

Dependent Variables	Compared to farming			Compared to worker within county			Compared to urban local residents		
	migrant workers	Obs	R ²	migrant workers	Obs	R ²	migrant workers	Obs	R ²
Self-rated health GVG	0.0525** (0.0222)	6378	0.084	-0.0053 (0.0245)	2647	0.108	-0.1678* (0.0920)	1006	0.181
Number of chronic	-0.0467 (0.0614)	6383	0.119	0.0291 (0.0611)	2650	0.152	-0.0437 (0.2934)	1008	0.234
Moderate or higher pain	-0.0326 (0.0206)	6370	0.121	0.0060 (0.0213)	2647	0.114	-0.0057 (0.0653)	1003	0.185
Internal pain	-0.0225 (0.0156)	6375	0.115	-0.0063 (0.0161)	2647	0.116	-0.0086 (0.0522)	1004	0.152
ADL hard	-0.0119 (0.0160)	6272	0.123	0.0072 (0.0160)	2594	0.112	0.0010 (0.0587)	988	0.194
IADL hard	-0.0232 (0.0171)	6277	0.126	0.0086 (0.0176)	2594	0.144	0.0345 (0.0592)	988	0.195
CESD score	-1.0428*** (0.3171)	5716	0.158	-0.0756 (0.3224)	2337	0.158	0.7911 (1.2451)	904	0.224

Hypertension	-0.0208 (0.0229)	6375	0.093	-0.0126 (0.0236)	2646	0.120	-0.0117 (0.0986)	1006	0.200
Dyslipidemia	0.0117 (0.0135)	6227	0.080	0.0122 (0.0145)	2604	0.113	-0.0264 (0.0715)	998	0.174
Hyperglycemia	0.0017 (0.0102)	6307	0.036	0.0022 (0.0114)	2629	0.074	-0.0001 (0.0564)	999	0.159
Cancer or tumor	-0.0066* (0.0039)	6346	0.025	-0.0026 (0.0038)	2638	0.048	-0.0309 (0.0195)	1004	0.113
Chronic lung disease	0.0152 (0.0153)	6354	0.053	0.0201 (0.0158)	2640	0.091	-0.0691 (0.0519)	1002	0.165
Chronic liver disease	-0.0037 (0.0094)	6332	0.048	0.0016 (0.0104)	2623	0.071	-0.0052 (0.0384)	1001	0.101
Cardiopathy	-0.0068 (0.0136)	6339	0.095	-0.0026 (0.0133)	2631	0.136	-0.0065 (0.0692)	1000	0.215
Stroke	-0.0032 (0.0058)	6363	0.036	-0.0000 (0.0055)	2640	0.063	-0.0091 (0.0182)	1005	0.164
Chronic nephrosis	-0.0011 (0.0117)	6334	0.050	-0.0126 (0.0129)	2633	0.082	0.0101 (0.0566)	1005	0.143
Chronic digestive tract diseases	-0.0290 (0.0206)	6361	0.056	-0.0044 (0.0214)	2643	0.084	0.0091 (0.0919)	1007	0.131
Smoke	-0.0265 (0.0178)	6380	0.545	-0.0156 (0.0198)	2650	0.457	-0.0031 (0.0814)	1005	0.522
Drink	0.0099 (0.0204)	6378	0.271	0.0221 (0.0223)	2648	0.263	0.0687 (0.0797)	1004	0.363

4.2 Results (All regressions controlled for early characteristic variables)

4.2.4 Medical utilization

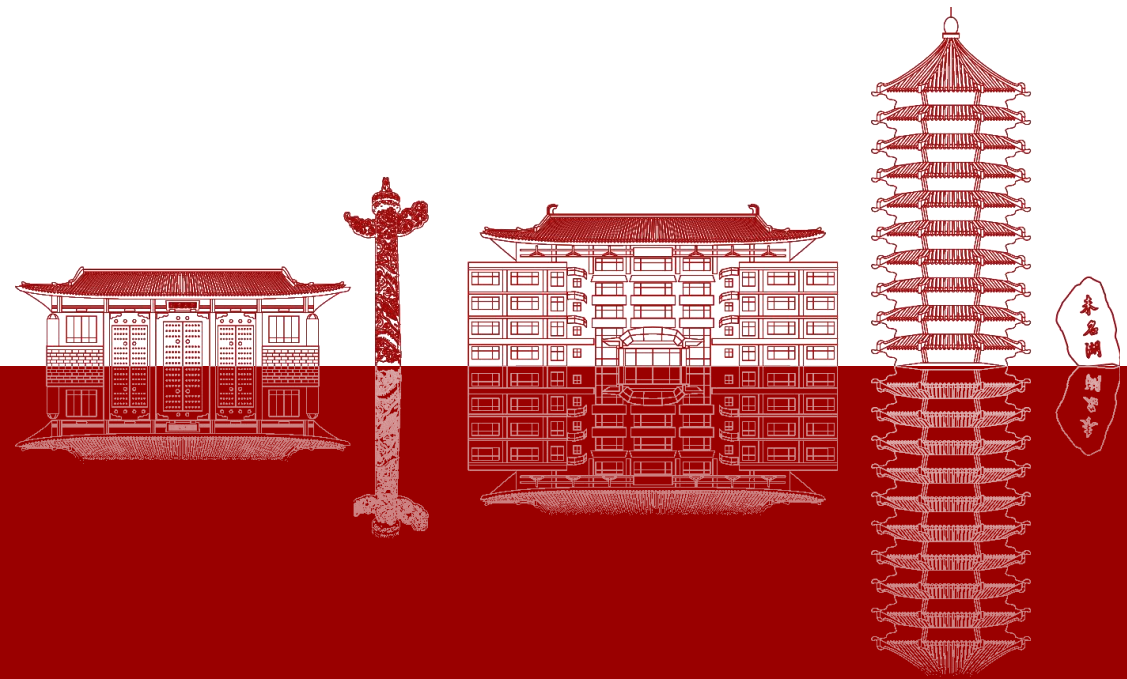
Dependent Variables	Compared to farming			Compared to worker within county			Compared to urban local residents		
	migrant workers	Obs	R ²	migrant workers	Obs	R ²	migrant workers	Obs	R ²
Outpatient	0.0091 (0.0195)	6342	0.066	0.0079 (0.0209)	2633	0.081	0.1601* (0.0882)	1000	0.157
Inpatient	0.0120 (0.0137)	6370	0.043	0.0173 (0.0152)	2646	0.062	0.0116 (0.0621)	1003	0.153
High level outpatient	0.0107 (0.0120)	6338	0.038	0.0040 (0.0132)	2631	0.068	0.0065 (0.0695)	1000	0.161
Med insurance for urban employees	0.0279*** (0.0077)	6355	0.103	-0.0020 (0.0096)	2639	0.167	-0.1300 (0.0980)	1000	0.485
Med insurance for urban residents	0.0173* (0.0092)	6355	0.216	-0.0045 (0.0113)	2639	0.146	-0.1512** (0.0649)	1000	0.253
NCMS	-0.0539*** (0.0176)	6355	0.120	0.0100 (0.0188)	2639	0.218	0.4331*** (0.0664)	1000	0.667
Unified Residents' Med insurance	0.0056 (0.0064)	6355	0.197	0.0036 (0.0071)	2639	0.227	-0.0203 (0.0291)	1000	0.357
Free medical service	0.0090* (0.0047)	6355	0.019	0.0027 (0.0057)	2639	0.062	-0.0888** (0.0450)	1000	0.232

4.2 Results (All regressions controlled for early characteristic variables)

4.2.5 Reproductive decisions and children

Dependent Variables	Compared to farming			Compared to worker within county			Compared to urban local residents		
	migrant workers	Obs	R ²	migrant workers	Obs	R ²	migrant workers	Obs	R ²
Age of first bearing	0.4871** (0.2481)	5995	0.129	0.6901*** (0.2579)	2536	0.132	0.7922 (0.9477)	967	0.232
Number of children	-0.1124** (0.0500)	6282	0.375	-0.0800 (0.0507)	2608	0.422	0.1495 (0.1724)	991	0.508
Number of grandchildren	-0.2019** (0.0887)	6282	0.556	-0.1356 (0.0905)	2608	0.581	0.1816 (0.2999)	991	0.600
Number of children living with	-0.0018 (0.0467)	4389	0.270	-0.0660 (0.0483)	1950	0.307	0.1945 (0.1514)	709	0.347
Maximum income of children	-0.0425 (0.0895)	4788	0.239	-0.0617 (0.0959)	2043	0.278	-0.3157 (0.4818)	827	0.413
Maximum education of children	0.4021*** (0.1013)	5466	0.158	-0.0202 (0.1064)	2068	0.218	-0.3133 (0.4010)	786	0.379
Children as white-collar	0.0192 (0.0260)	5816	0.100	-0.0546* (0.0279)	2271	0.141	-0.0804 (0.1364)	791	0.254
Children as blue collar	-0.0542* (0.0292)	5816	0.140	0.0077 (0.0301)	2271	0.160	0.0462 (0.1149)	791	0.312
Children as farmer	-0.0430* (0.0236)	5816	0.261	0.0062 (0.0236)	2271	0.256	0.0995 (0.0660)	791	0.327
Children get non-agricultural hukou	0.0772*** (0.0290)	5037	0.113	0.0146 (0.0313)	1730	0.239	-0.2648*** (0.0871)	624	0.573

Comparison of migrant workers in different generations



春風園
謝宮寺

5.1 Demographic

According to the start time of the first period of work, the migrant workers are divided into four groups: 90-95, 95-00, 00-05, 05 and after

	Junior high school or higher	Senior high school or higher	Male	Siblings
95-00	0.0425 (0.0325)	0.0158 (0.0122)	-0.0240 (0.0386)	0.0120 (0.1468)
00-05	-0.0091 (0.0327)	0.0062 (0.0116)	-0.0806* (0.0418)	0.1103 (0.1497)
05+	-0.0165 (0.0315)	-0.0002 (0.0100)	-0.1182*** (0.0394)	0.1299 (0.1414)
Observations	1105	1105	1105	1096
R^2	0.004	0.002	0.009	0.001

5.1 Job characteristics (All regressions controlled for early characteristic variables)

	Age starting first work	Duration of the first work	Initial wages of the first work	Ever steady non- agricultural employed	Ever non- agricultural self-employed	Employers in private sector	Non-mainland enterprise
95-00	-0.4996 (0.4077)	-1.9802*** (0.6943)	310.0408 (232.7966)	0.0186 (0.0253)	0.0089 (0.0509)	-0.0131 (0.0415)	0.0009 (0.0263)
00-05	-0.2333 (0.4931)	-3.3509*** (0.6614)	341.6537** (152.8021)	0.0959*** (0.0307)	-0.0280 (0.0566)	-0.0425 (0.0438)	-0.0063 (0.0276)
05+	0.4217 (0.5287)	-6.9053*** (0.6577)	780.0656*** (185.7697)	0.0224 (0.0273)	-0.0258 (0.0542)	-0.0517 (0.0444)	-0.0418* (0.0248)
Observations	1018	1024	824	1024	1024	1023	1023
R^2	0.323	0.417	0.252	0.374	0.262	0.425	0.265

5.2 Characteristics of old age (All regressions controlled for early characteristic variables)

5.2.1 Work and retirement

Dependent Variables	95-00	00-05	05+	Obs	R ²
Agricultural hukou	-0.0582 (0.0425)	-0.0586 (0.0407)	0.0485 (0.0358)	500	0.643
Expect high retirement time point	-0.0352 (0.0726)	-0.1040 (0.0715)	-0.1039 (0.0720)	499	0.405
Rely on children	-0.1627** (0.0794)	-0.1474* (0.0750)	-0.0320 (0.0740)	481	0.467
Rely on saving	0.0665 (0.0529)	0.0069 (0.0489)	-0.0200 (0.0445)	481	0.382
Rely on pension	0.0537 (0.0624)	0.0812 (0.0581)	0.0336 (0.0641)	481	0.512
employee pensions	-0.0472 (0.0480)	0.0704 (0.0527)	-0.0523 (0.0537)	560	0.559
rural pension insurance	-0.0135 (0.0455)	-0.0018 (0.0465)	0.0319 (0.0520)	499	0.370
Urban Residents' Pension Insurance	0.0023 (0.0233)	-0.0056 (0.0176)	-0.0088 (0.0220)	499	0.426

5.2 Characteristics of old age (All regressions controlled for early characteristic variables)

5.2.2 Income, expenditure and wealth

Dependent Variables	95-00	00-05	05+	Obs	R ²
expenditure on non-durable goods PC	-0.1626 (0.1154)	-0.1290 (0.1088)	-0.0815 (0.1180)	494	0.503
expenditure on non-durable goods PC (exclude medicine)	-0.1321 (0.1112)	-0.0343 (0.1074)	-0.0197 (0.1139)	494	0.518
personal income	0.2755 (0.7493)	-0.1670 (0.7630)	1.3238* (0.7343)	498	0.457
family income	0.1233 (0.2369)	-0.4470* (0.2658)	0.1648 (0.2248)	478	0.449
family income PC	-0.0004 (0.2239)	-0.4655* (0.2464)	0.1201 (0.2317)	478	0.473
Family wealth	-0.0833 (0.2059)	0.0169 (0.1808)	-0.0727 (0.1996)	453	0.512
Family wealth PC	-0.1789 (0.2061)	-0.0885 (0.1853)	-0.1418 (0.2162)	453	0.491

5.2 Characteristics of old age (All regressions controlled for early characteristic variables)

5.2.3 Health

Dependent Variables	95-00	00-05	05+	Obs	R ²
Self-rated health GVG	-0.1003 (0.0786)	0.0189 (0.0792)	-0.0285 (0.0793)	500	0.410
Number of chronic	0.0906 (0.2044)	-0.1423 (0.2068)	-0.0571 (0.1890)	500	0.407
Moderate or higher pain	-0.0980 (0.0696)	-0.1087 (0.0710)	-0.1161 (0.0796)	499	0.349
Internal pain	-0.0414 (0.0543)	-0.0283 (0.0501)	-0.0341 (0.0590)	499	0.355
ADL hard	0.0091 (0.0534)	-0.0922* (0.0480)	-0.0412 (0.0515)	490	0.372
IADL hard	-0.1237** (0.0518)	-0.1622*** (0.0523)	-0.1028** (0.0520)	490	0.439
CESD score	0.0937 (1.0626)	-1.1573 (1.0375)	0.3810 (1.2107)	416	0.487

Hypertension	0.0252 (0.0740)	0.0239 (0.0727)	0.0215 (0.0730)	498	0.406
Dyslipidemia	-0.0031 (0.0443)	-0.0631 (0.0468)	-0.0385 (0.0429)	494	0.376
Hyperglycemia	-0.0059 (0.0392)	-0.0067 (0.0362)	-0.0118 (0.0301)	496	0.383
Cancer or tumor	0.0023 (0.0070)	0.0230 (0.0182)	0.0068 (0.0076)	499	0.439
Chronic lung disease	-0.0062 (0.0517)	0.0611 (0.0559)	0.0352 (0.0512)	498	0.359
Chronic liver disease	-0.0055 (0.0372)	-0.0511 (0.0316)	-0.0545* (0.0300)	494	0.302
Cardiopathy	0.0087 (0.0421)	-0.0402 (0.0439)	-0.0285 (0.0422)	494	0.426
Stroke	0.0075 (0.0191)	-0.0056 (0.0144)	-0.0090 (0.0159)	498	0.534
Chronic nephrosis	0.0432 (0.0356)	0.0255 (0.0349)	0.0256 (0.0414)	498	0.371
Chronic digestive tract diseases	0.0691 (0.0787)	-0.0335 (0.0746)	0.0436 (0.0768)	500	0.326
Smoke	-0.0599 (0.0608)	-0.0365 (0.0565)	-0.0900 (0.0635)	500	0.661
Drink	0.0496 (0.0761)	-0.0373 (0.0713)	-0.0052 (0.0696)	499	0.524

5.2 Characteristics of old age (All regressions controlled for early characteristic variables)

5.2.4 Medical Utilization

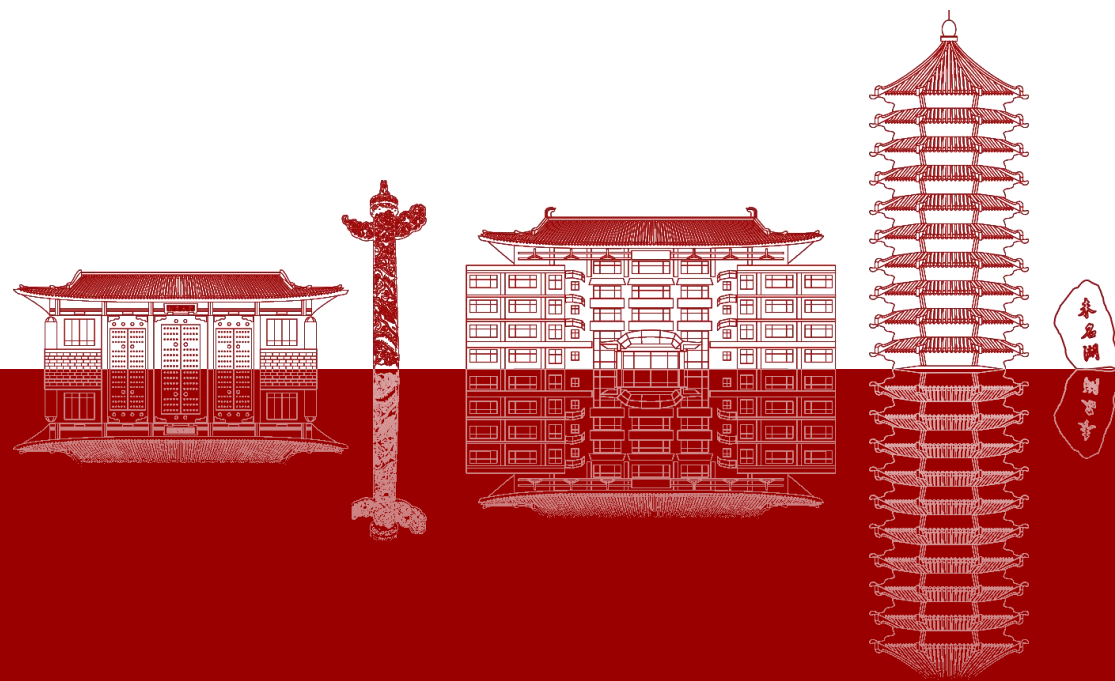
Dependent Variables	95-00	00-05	05+	Obs	R ²
Outpatient	-0.0406 (0.0649)	0.0066 (0.0721)	0.0573 (0.0686)	494	0.344
Inpatient	0.0223 (0.0461)	-0.0470 (0.0422)	-0.0328 (0.0452)	498	0.423
High level outpatient	-0.0037 (0.0296)	-0.0022 (0.0376)	0.0558 (0.0345)	494	0.427
Med insurance for urban employees	-0.0009 (0.0211)	0.0333* (0.0197)	-0.0008 (0.0182)	497	0.674
Med insurance for urban residents	-0.0023 (0.0371)	-0.0351 (0.0329)	-0.0320 (0.0307)	497	0.456
NCMS	0.0154 (0.0539)	0.0053 (0.0531)	0.1038** (0.0483)	497	0.634
Unified Residents' Med insurance	-0.0019 (0.0231)	0.0081 (0.0188)	0.0026 (0.0174)	497	0.630
Free medical service	-0.0022 (0.0077)	0.0223 (0.0174)	-0.0003 (0.0079)	497	0.409

5.2 Characteristics of old age (All regressions controlled for early characteristic variables)

5.2.5 Children and reproductive decisions

Dependent Variables	95-00	00-05	05+	Obs	R ²
Age of first bearing	1.1965 (0.7412)	0.8931 (0.8437)	-0.1801 (0.7654)	481	0.408
Number of children	-0.2000 (0.1372)	-0.3179** (0.1378)	-0.0444 (0.1598)	517	0.514
Number of grandchildren	-0.0625 (0.2413)	-0.0431 (0.2606)	0.2575 (0.2967)	517	0.684
Number of children living with	-0.0064 (0.1610)	-0.2693** (0.1347)	0.0490 (0.1786)	407	0.507
Maximum income of children	-0.3627 (0.2621)	0.0179 (0.2616)	0.1031 (0.3062)	407	0.605
Maximum education of children	-0.6384* (0.3581)	-0.3039 (0.3418)	-0.6086* (0.3419)	382	0.539
Children as white-collar	-0.0442 (0.0858)	0.0044 (0.0863)	-0.0430 (0.0872)	431	0.474
Children as blue collar	0.0259 (0.0962)	0.0080 (0.0855)	0.0508 (0.1012)	431	0.466
Children as farmer	-0.0075 (0.0686)	0.0194 (0.0694)	0.0270 (0.0686)	431	0.566
Children get non-agricultural hukou	-0.0903 (0.1033)	-0.0085 (0.1046)	-0.1698 (0.1062)	327	0.529

Prospection and future work



6. Prospection and future work

First, until now we only merge CHARLS 2011 to the life history data. The future work will merge CHARLS 2011 2013 2015 2018 2020 together with life history data and see whether the old-age outcomes changes over years.

Second, we have not used non-open data yet, and the future work will also track and know the exact counties the migrant workers went and the exact industries they worked in, which means we can combine the county-level datas with individual-level datas.

Third, all the work now is just descriptive. We want to find ways to identify the causal implications that how the identity as migrant worker influences one person's life.

Thanks for Listening!

