

Gender comparison of Disease-free and Self-rated Health Expectancies of the Elderly in China



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Objective

The purpose of the study was to compare disease-free and self-rated health expectancies of the elderly between men and women in current China.



Method

- **Health expectancies at age 65 and over were calculated by Sullivan's method.**
- **This is descriptive Analyses.**



Definition of disease

- **Disease= suffering from at least one of hypertension, diabetes, heart disease, stroke or CVD, bronchitis, emphysema, pneumonia, asthma, tuberculosis, cataract, glaucoma, cancer, prostate tumor, gastric or duodenal ulcer, Parkinson's disease, bedsore, arthritis, dementia**



Definition of self-rated health

There are five choices in 2002 survey:
Very good, good, so so, bad, very bad.
very good, good, so so =healthy

Data

- I use the data from Chinese Longitudinal Healthy Longevity Study (CLHLS) in 2002.
- sample size :14709
- Life tables were calculated with data of national sampling survey conducted by the national Bureau of Statistics in 2002.

Disease-free life expectancy for **male in the urban areas**

Age group (male in the urban areas)	LE	DFLE	S(DFLE)	lower limit of 95% confiden ce of interval	upper limit of 95% confide nce of interval
65-69	16.7	9.0	0.22	8.57	9.47
70-74	13.3	7.13	0.19	6.80	7.54
75-79	10.6	5.7	0.16	5.44	6.06
80-84	8.5	4.9	0.11	4.69	5.13
85+	7.2	4.5	0.09	4.35	4.74

Disease-free life expectancy for **female in the urban areas**

Age group (female in the urban areas)	LE	DFLE	S(DFLE)	lower limit of 95% confiden ce of interval	upper limit of 95% confide nce of interval
65-69	19.69	11.44	0.25	10.94	11.95
70-74	15.96	9.32	0.21	8.89	9.74
75-79	12.43	7.63	0.16	7.30	7.95
80-84	10.02	6.31	0.11	6.08	6.55
85+	7.88	5.31	0.07	5.16	5.46

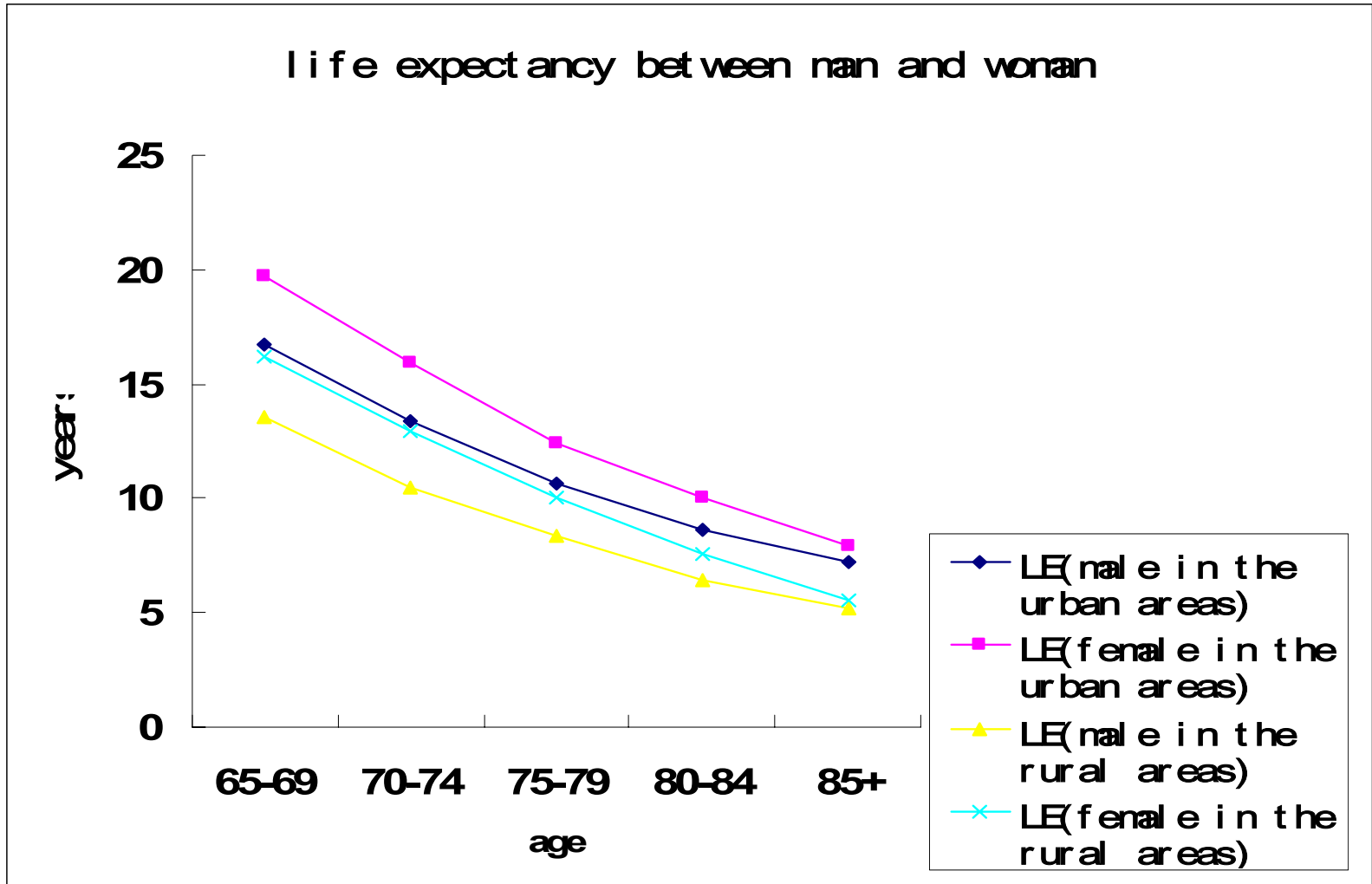
Disease-free life expectancy for **male in the rural areas**

Age group (male in the rural areas)	LE	DFLE	S(DFLE)	lower limit of 95% confiden ce of interval	upper limit of 95% confiden ce of interval
65-69	13.56	9.28	0.16	8.96	9.61
70-74	10.47	7.08	0.13	6.81	7.35
75-79	8.36	5.67	0.11	5.44	5.90
80-84	6.40	4.44	0.08	4.26	4.61
85+	5.18	3.76	0.05	3.64	3.87

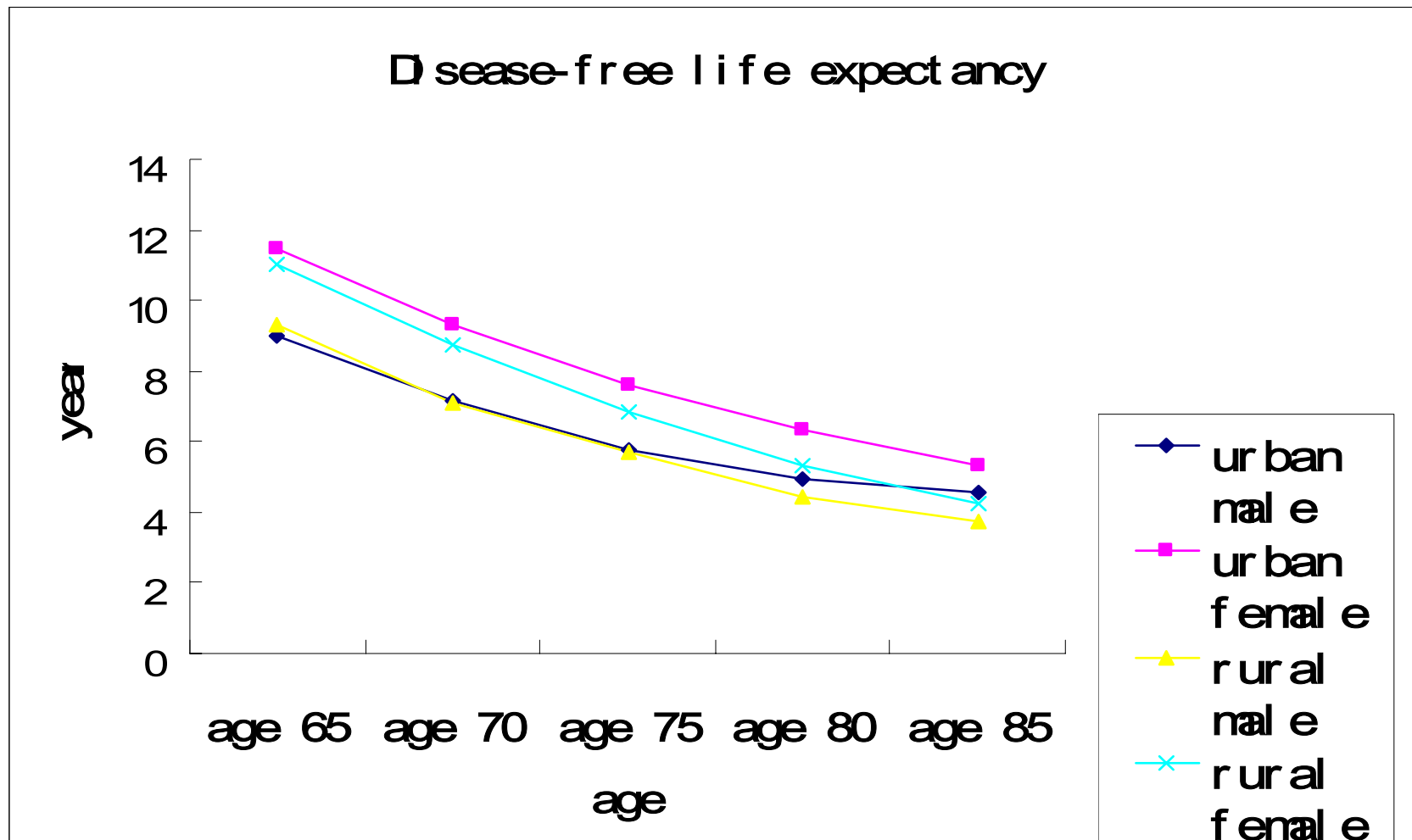
Disease-free life expectancy for **female** in **the rural areas**

Age group (female in the rural areas)	LE	DFLE	S(DFLE)	lower limit of 95% confiden ce of interval	upper limit of 95% confiden ce of interval
65-69	16.15	11.03	0.181	10.66	11.40
70-74	12.92	8.76	0.16	8.44	9.08
75-79	9.99	6.84	0.13	6.57	7.10
80-84	7.53	5.29	0.09	5.10	5.497
85+	5.58	4.24	0.04	4.15	4.33

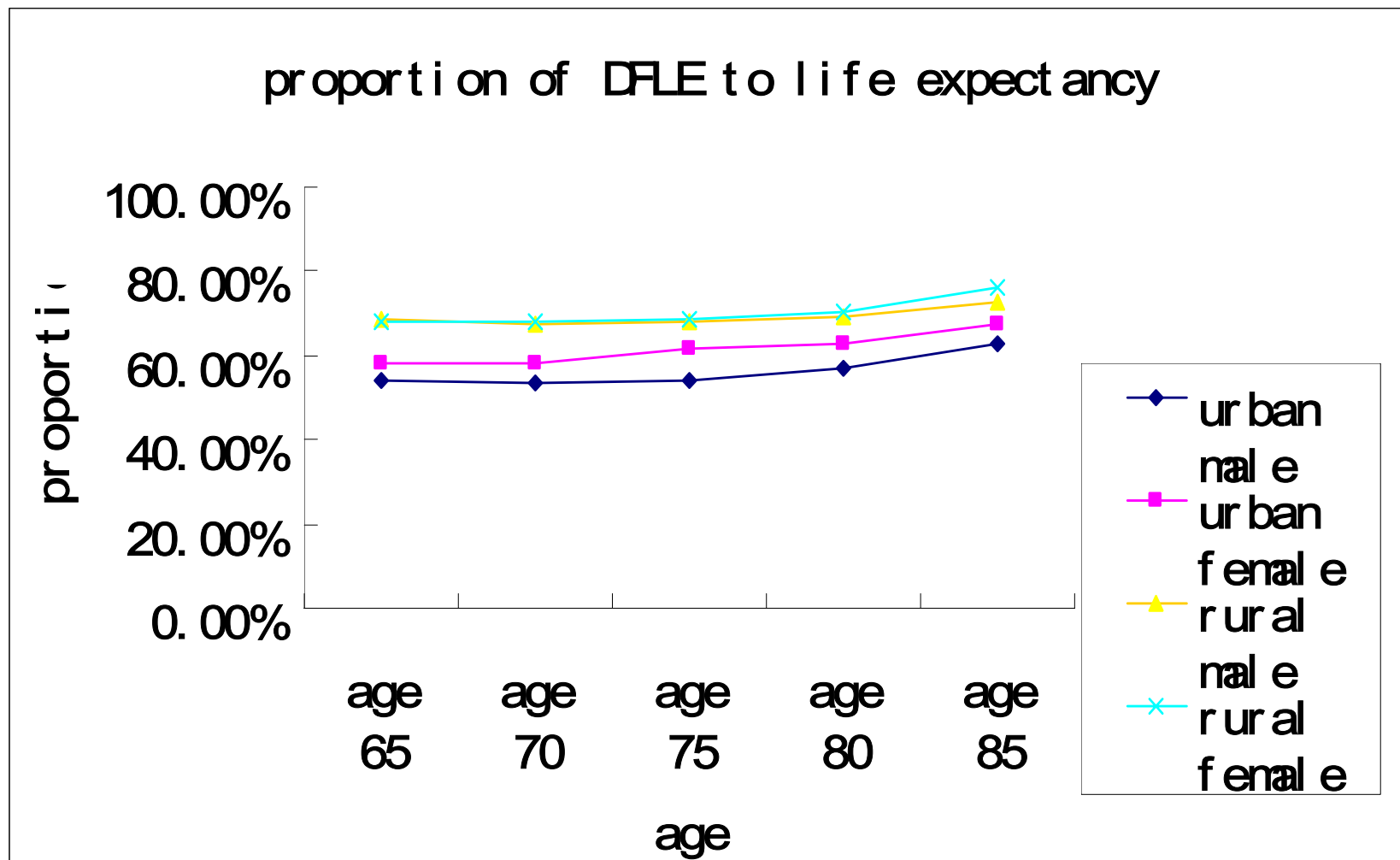
Life expectancy between man and woman



Disease-free life expectancy between man and woman



Proportion of DFLE to life expectancy



Conclusion of disease-free health expectancy (1)

Health expectancy for female is longer than that for male in both rural areas and urban areas

- Health expectancy for female in urban areas is longer than that in rural areas
- Health expectancy for male in urban areas is longer than that in rural areas

Conclusion of disease-free health expectancy (2)

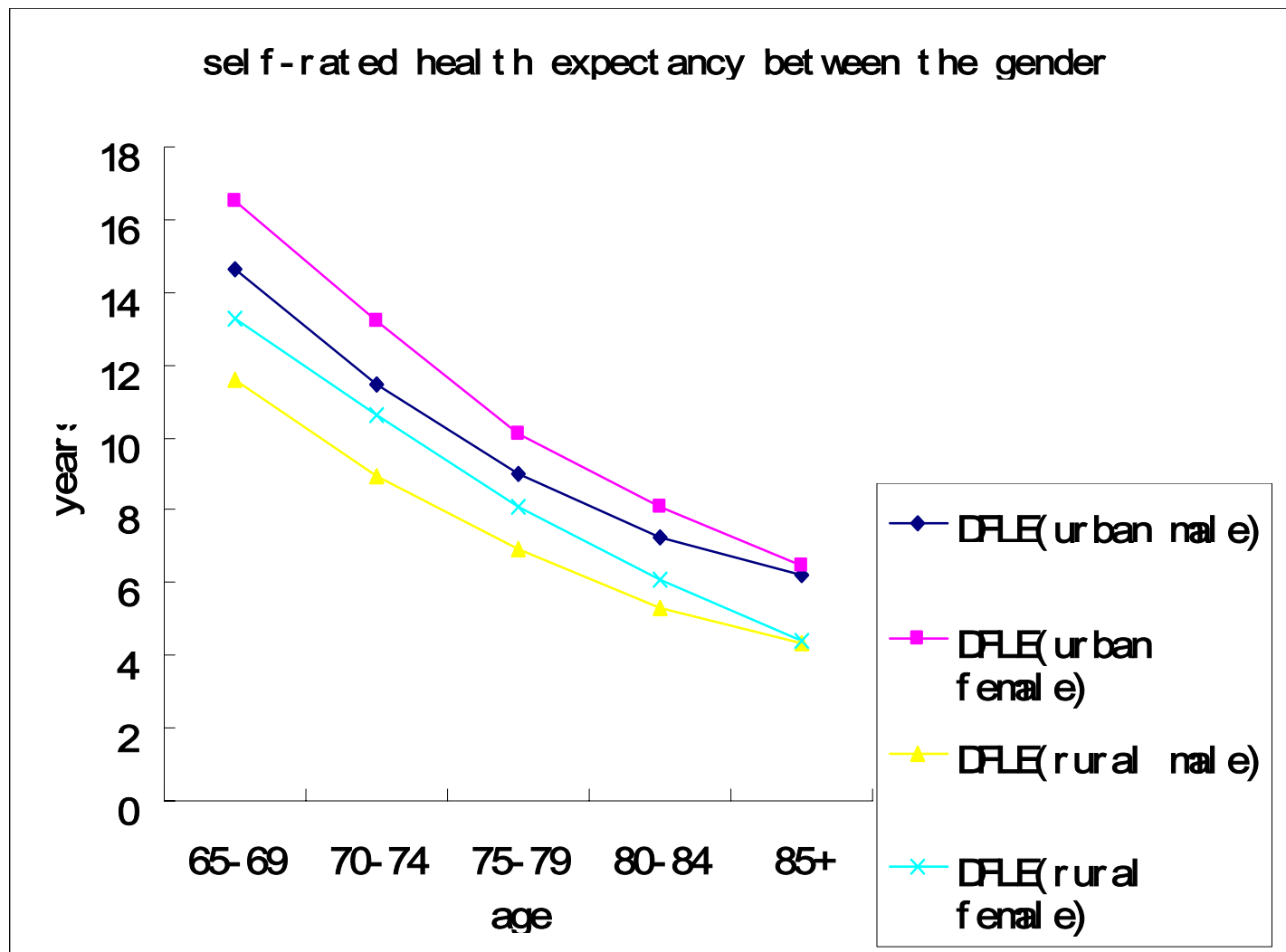
Proportion of DFLE to life expectancy for female in rural areas are longer than that for male.

Proportion of DFLE to life expectancy for female in urban areas are longer than that for male.

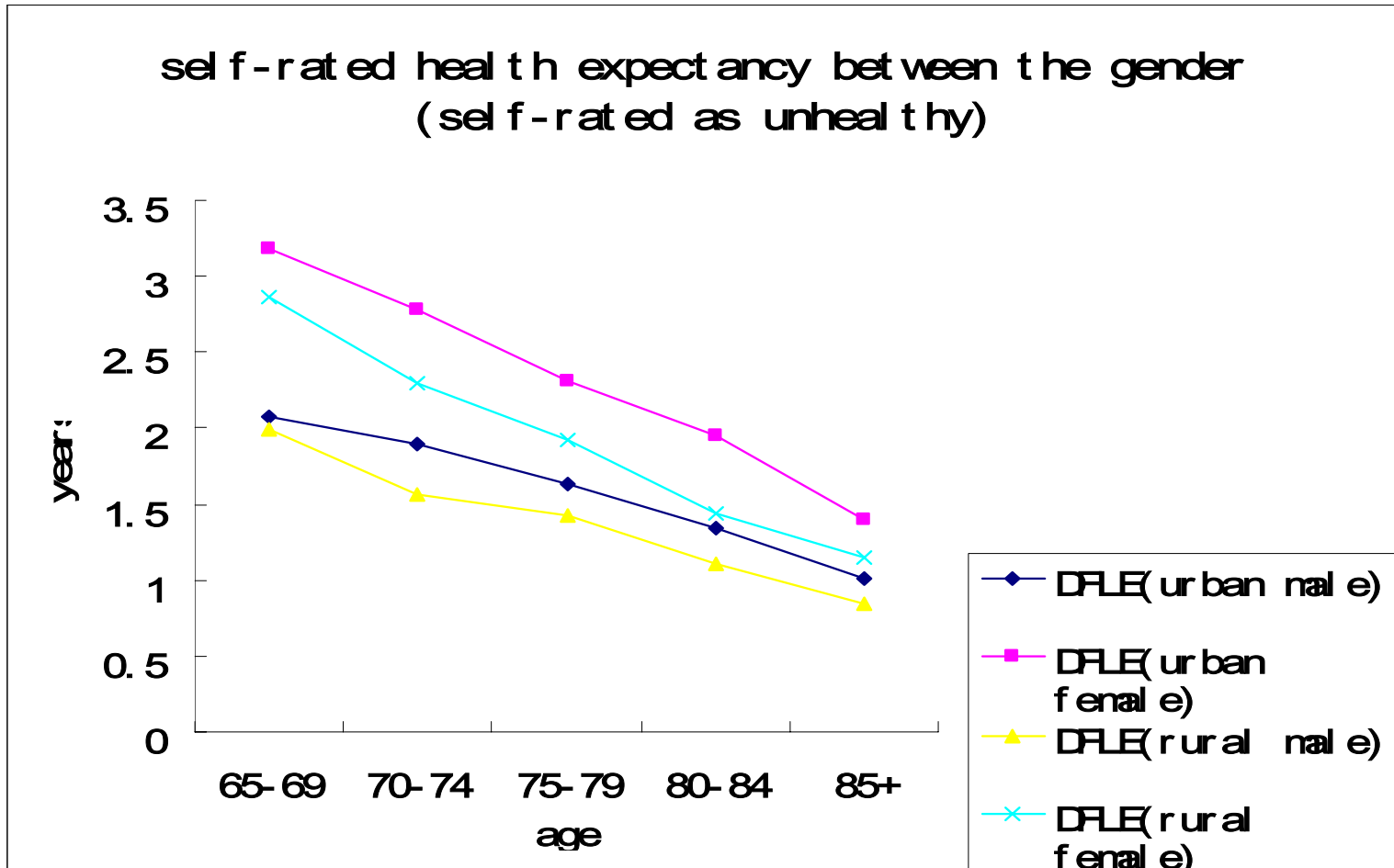
Conclusion of disease-free health expectancy (3)

Proportion of DFLE to life expectancy of the aged in rural areas are higher than those in urban areas. Such result may be caused by that the aged in rural areas didn't know whether they have illness even if they have disease indeed because of few medical examinations.

Self-rated health expectancy between the the gender (self-rated as healthy)



Self-rated health expectancy between the gender (self-rated as unhealthy)



Conclusion of self-rated health expectancy between men and women

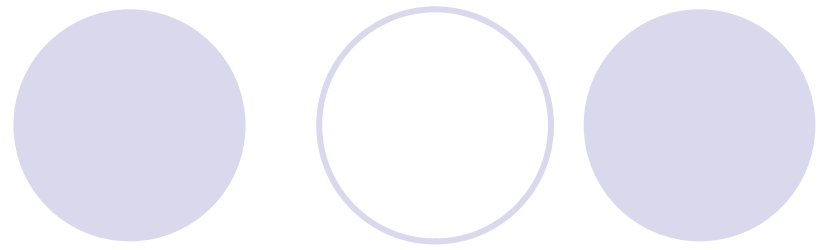
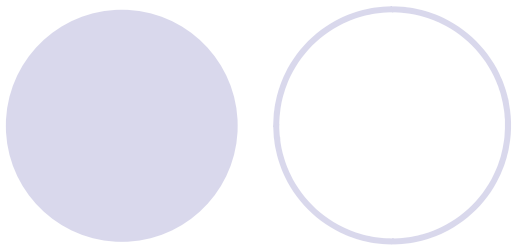
Self-rated (healthy) health expectancy of the aged in urban areas are longer than those in rural areas.

- Self-rated (unhealthy) health expectancy of females are longer than those for males,

Further Exploring

The title 'Further Exploring' is positioned at the top left. To its right, there are five circles arranged horizontally. The first circle is solid light purple and overlaps the letter 'E' in 'Exploring'. The second circle is an outline of a light purple circle. The third circle is solid light purple. The fourth circle is an outline of a light purple circle. The fifth circle is solid light purple.

We calculated the subjective and objective health expectancies of the aged and find out some relations between them



Thank you!