重庆市北碚区主要慢性病早死概率及变化趋势

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【摘　要】：目的：　　　2015-2020　　　　　　　30　69　　　　　　　　　方法：　　　2015-2020　　　　　　　　　　　　　　　SPSS22.0　　　Annual percent change　APC　　　结果：2015-2020　　　APC　　　-13.76% -17.14%　　-17.12%　-8.61%　　　　　　　　P　0.05　结论：

【关键词】：

Probability and Trend of Premature Death of Major Chronic Diseases in Beibei District of Chongqing

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Abstract: Objective: To analyze the mortality characteristics of major chronic diseases among residents aged 30-69 years old in Beibei District of Chongqing from 2015 to 2020, and to provide evidence for the prevention and control of major chronic diseases. Methods: The mortality surveillance data in Beibei District of Chongqing from 2015 to 2020 were collected and analyzed. SPSS22.0 statistical software was used to calculate the crude mortality rate, standardized mortality rate, constituent ratio, probability of premature death and Annual percent change (APC). Results: From 2015 to 2020, the probability of premature death of cardiovascular and cerebrovascular diseases, chronic respiratory diseases, diabetes and malignant tumors in Beibei District of Chongqing showed a decreasing trend, with APC of -13.76%, -17.14%, -17.12% and -8.61%, respectively, and the trend of change was statistically significant (P < 0.05). Conclusions: The early mortality of major chronic diseases in Beibei District of Chongqing presents a decreasing trend. Malignant tumors and cardiovascular and cerebrovascular diseases are the main chronic diseases of early death in this district, while there is no significant change in the probability of early death in males. We should pay more attention to the intervention of risk factors in males and further strengthen the comprehensive prevention and control of chronic diseases.

Keywords: Cardiovascular and cerebrovascular diseases; Malignant tumor; Chronic respiratory diseases; Diabetes; Probability of early death

2015　1　19　　　　2014

300　　　　70

1 资料与方法

1.1

[1]

[2]　　　　　2017- 2025　　　　　　　　　　　　2015- 2020

2025　　　　　　　　　　　　　　　2015　1　1　　2020　12　31

30- 70

2015　　20%[3]

2015- 2020　　　　　　1.2

APC 　- 3.54% 　　　　　　　　t=- 1.966
P>0.05 　　　　　　2015 　11.24% 　5.88%
APC 　- 10.77% 　　　　　　t=- 4.234
P<0.05 　　　　　　　　　2015
35.62% 　2020 　30.92% APC 　- 2.57%
　　　t=- 10.068 　P<0.05

1.3

10 　ICD- 10
ICD 　　　　　　　　I00- I99
C00- C97 　　　　　　J30- J98
E10- E14 　　　SPSS 22.0

Annual percent change 　APC
=0.05 　1 　　　　2010 　6
　　　　　2

x 　　　x+n
30 　70
70 　　　40q30 　=1- $\prod_{x=30}^{65}(1-5qx)$
5qx 　　　　5qx = 　5Mx*5 　/ 1+5Mx*2 5
5Mx 　　　= 　　　/
3 　　　APC 　y
y=ln（%）　y 　　　　　y=
+ x+
APC=100×$\left(e^{\beta}-1\right)$ 　t 　4
2015- 2020

t 　　　P<0.05

2 结果

2.1

496.57/105 　575.27/105
APC 　1.01% 　　　　T=0.293
P=0.785 　　2015 　435.24/105 　2020
345.21/105 APC 　- 3.05%
T=- 1.438 　P=0.224
81.13% 　82.30% APC 　0.00%
T=- 0.095 　P=0.929
P<0.05
T 　0.8053 　- 0.473 P
0.466 　0.661
T 　- 1.321 　0.527 P
0.257 　0.626
a

2.2

2015 　16.13% 　11.07%
APC 　- 6.11% 　　　t=- 2.92
P=0.043
P<0.05 　　20.43% 16.08%

2.3

2015- 2020
APC 　- 5.64% 　　　t=- 3.669
P<0.05
APC 　0.80% 　- 5.82% 　1.41%
p>0.05
APC
- 13.58% 　- 16.97% 　- 17.72% 　- 8.42%
P 　0.05 　2015- 2020

3 讨论

2015- 2020 　　4
2019 　552.16/105
2019 　640.09/105 [4]
81.13% 　82.30%
79.4% [5]
[6]
16.10%
30- 69
2015- 2020
2015 　16.13% 　11.07%
[4]
2019 　13.94%
[4] 　2015 　18.54% 　　2019
13.81% 　　　　　2019 　13.32%
2017 　11.76% 　　　2015 　10.85
2019 　10.23% 　　　　2018
7.20%

2013

10.77%

4

6.85% [4]

40   69   "   "

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3.14% [4]