

## Appendix 1: CUHK Hong Kong Quality of Life Index <sup>Note 1</sup>

	2002 Base year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2017 compared with 2016
<b>Health sub-index</b>												
1. Life expectancy at birth (years)	4.35	4.40	4.42	4.43	4.45	4.46	4.48	4.48	4.50	4.50	4.52 @	Better #
2. Public expenditure on health	4.35	3.25	3.65	3.57	3.40	3.67	4.60	4.94	3.96	4.67 @	4.11 @	Worse
3. Average patient days	4.35	5.21	5.23	5.32	5.28	5.34	5.15	5.26	5.23	5.17	5.07	Similar
4. Stress index ^	4.35	5.55	5.54	5.86	5.67	5.79	5.78	5.75	5.89	5.80	5.95	Better #
5. General life satisfaction index ^	4.35	4.68	4.85	4.85	4.74	4.79	4.85	4.79	4.84	5.07	5.12	Better #
<b>Health sub-index</b>	<b>21.74</b>	<b>23.08</b>	<b>23.69</b>	<b>24.02</b>	<b>23.55</b>	<b>24.05</b>	<b>24.85</b>	<b>25.22</b>	<b>24.41</b>	<b>25.19</b>	<b>24.77</b>	<b>Worse</b>
<b>Social sub-index</b>												
6. Freedom of speech index ^	4.35	4.19	4.19	4.25	4.26	4.32	4.29	4.11	4.05	4.01	3.99	Worse &
7. Press criticism index	4.35	3.64	3.44	3.61	3.75	3.86	4.16	4.00	4.09	3.98	3.71	Worse
8. Government performance index ^	4.35	5.66	6.28	6.01	5.11	5.62	5.20	5.01	4.68	4.87	5.62	Better
9. Overall crime rate	4.35	4.34	4.39	4.52	4.55	4.59	4.77	5.07	5.18	5.50	5.77	Better #
10. Public expenditure on education	4.35	3.38	4.84	3.51	3.36	3.57	3.84	3.62	3.29	3.40 @	3.32 @	Worse
11. Enrolment rate of the relevant age groups (age 17-20) for first-year-first degree places of UGC-funded programmes	4.35	4.76	4.76	4.79	4.96	5.17	5.27	5.45	5.63	5.89	6.45	Better #
<b>Social sub-index</b>	<b>26.09</b>	<b>25.96</b>	<b>27.91</b>	<b>26.69</b>	<b>25.99</b>	<b>27.13</b>	<b>27.53</b>	<b>27.26</b>	<b>26.91</b>	<b>27.64</b>	<b>28.85</b>	<b>Better</b>
<b>Culture &amp; Leisure sub-index</b>												
12. Cultural programmes attendance index	4.35	2.71	2.46	2.55	2.42	2.49	2.43	2.32	2.24	2.15	1.88 *	Worse &
13. Recreation and sport activities participation index	4.35	6.26	6.05	5.60	6.31	5.71	6.50	5.65	6.31	5.66	5.76	Better
14. Overseas travel index	4.35	5.26	5.35	5.73	5.95	6.44	7.06	7.53	8.45	9.07	9.68	Better #
<b>Culture &amp; Leisure sub-index</b>	<b>13.04</b>	<b>14.23</b>	<b>13.86</b>	<b>13.88</b>	<b>14.68</b>	<b>14.64</b>	<b>15.99</b>	<b>15.49</b>	<b>17.00</b>	<b>16.88</b>	<b>17.32</b>	<b>Better</b>
<b>Economic sub-index</b>												
15. Housing affordability ratio	4.35	1.45	0.94	-0.90	-2.03	-3.34	-4.54	-5.17	-6.13	-5.06	-6.60	Worse &
16. Real rental index	4.35	3.44	4.16	3.42	2.45	2.31	2.06	2.14	1.80	2.14	1.68	Worse &
17. Unemployment rate	4.35	6.52	5.64	6.21	6.69	6.74	6.74	6.78	6.76	6.70	6.88	Better #
18. Index of current economic conditions ^	4.35	4.63	4.74	5.46	5.03	5.10	5.44	5.79	5.75	5.89	6.16	Better
19. Real wage index	4.35	4.32	4.30	4.27	4.39	4.46	4.47	4.36	4.38	4.44	4.54	Better #
<b>Economic sub-index</b>	<b>21.74</b>	<b>20.36</b>	<b>19.78</b>	<b>18.46</b>	<b>16.52</b>	<b>15.27</b>	<b>14.17</b>	<b>13.90</b>	<b>12.55</b>	<b>14.11</b>	<b>12.67</b>	<b>Worse</b>
<b>Environmental sub-index</b>												
20. Air index	4.35	3.73	4.37	4.45	4.00	4.71	4.26	4.64	4.99	5.38	5.47	Better #
21. Water index	4.35	4.77	4.91	4.92	4.78	4.99	5.06	4.99	4.77	4.91	4.84 *	-
22. Noise index	4.35	6.17	6.28	6.41	6.56	6.44	6.58	7.08	6.97	7.18	7.05	Worse
23. Recycle rate of municipal solid waste	4.35	5.84	5.91	6.22	5.74	4.65	4.39	4.37	4.24	4.01	4.13 *	-
<b>Environmental sub-index</b>	<b>17.39</b>	<b>20.52</b>	<b>21.47</b>	<b>22.01</b>	<b>21.08</b>	<b>20.80</b>	<b>20.29</b>	<b>21.08</b>	<b>20.98</b>	<b>21.48</b>	<b>21.48</b>	<b>Unchanged</b>
<b>CUHK Quality of Life Index</b>	<b>100.00</b>	<b>104.15</b>	<b>106.71</b>	<b>105.05</b>	<b>101.82</b>	<b>101.88</b>	<b>102.84</b>	<b>102.95</b>	<b>101.84</b>	<b>105.30</b>	<b>105.09</b>	<b>Worse</b>

Note 1 The higher the indicator scores, the better it performs.

^ subjective index (data from telephone survey)

@ provisional figures

\* forecasted figures

■ revised figures

# Highest on record

& Lowest on record

## **Appendix 2: Composition of and Data for Compiling the CUHK Hong Kong Quality of Life Index**

### **HEALTH SUB-INDEX**

1. Life expectancy at birth (in years) refers to the expectancy of life at birth for males and females.
2. Public expenditure on health as a proportion (in percent) of the Gross Domestic Product (GDP).
3. Average patient days (per person) refers to the number of days in hospitals for treatment per person.
4. Stress index refers to the stress that the Hong Kong people are facing (base rate = 100).
5. General life satisfaction index refers to the degree of satisfaction of Hong Kong people with their current lives (base rate = 100).

### **SOCIAL SUB-INDEX**

6. Freedom of speech index refers to the public attitude towards freedom of speech in Hong Kong (base rate = 100).
7. Press criticism index refers to the frequency of criticisms of Hong Kong corporations, the Hong Kong SAR Government, and the People's Republic of China Government by the press (base rate = 100).
8. Government performance index refers to the degree of satisfaction of Hong Kong people with the performance of Hong Kong SAR Government (base rate = 100).
9. Overall crime rate (per 1,000 population) refers to the total number of violent and non-violent crimes reported per 1,000 population.
10. Public expenditure on education as a proportion (in percent) of the Gross Domestic Product (GDP).
11. Enrolment rate of the relevant age groups (age 17-20) for first-year-first degree (FYFD) places of UGC-funded programmes (in percent).

### **CULTURE & LEISURE SUB-INDEX**

12. Cultural programmes attendance index (per 1,000 population) refers to the number of attendances of indoor cultural programmes organised at the venues of the Leisure and Cultural Services Department per 1,000 population.
13. Recreation and sport activities participation index (per 1,000 population) refers to the number of participants in recreation and sport activities organised or subvented by the Leisure and Cultural Services Department per 1000 population.
14. Oversea travel index (per person) refers to the number of departures from the airport per person.

### **ECONOMIC SUB-INDEX**

15. Housing affordability ratio refers to the annual average of affordable property price (i.e. average property price times 39.9 sq. meter, divided by monthly medium income times 12).
16. Real rental index refers to the real rental index of the Hong Kong property market.
17. Unemployment rate refers to the seasonally adjusted unemployment rate (in percent).
18. Index of current economic conditions refers to the public attitude towards the economic conditions in Hong Kong.
19. Real wage index<sup>(1)</sup> refers to the real wages for employees up to supervisory level (excluding managerial and professional employees) in all selected industry sectors.

### **ENVIRONMENTAL SUB-INDEX**

20. Air quality index refers to the annual air quality of all general stations.
21. Water index refers to the percentage of the inland waters of Hong Kong graded as 'good' and 'excellent' by the monitoring stations.
22. Noise index (per 1,000 population) refers to the number of noise complaints received by the Environmental Protection Department and the Police Force per 1,000 population.
23. Recycle rate of municipal solid waste refers to the recycle rate of solid domestic waste, and commercial and industrial waste (in percent).

#### **Notes:**

- <sup>(1)</sup> The real wage index is derived by deflating the nominal wage indices by the CPI(A).

#### **Sources:**

Stress index, general life satisfaction index, freedom of speech index, government performance index and index of current economic conditions are compiled based on the results of telephone surveys.

Press criticism index is compiled based on the content analysis of six major local newspapers.

Data for all other indices are obtained from the government or related institutions.

## Data for Compiling the CUHK Hong Kong Quality of Life Index

	2002	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Health sub-index</b>											
1. Life expectancy at birth (years)	F: 84.5 M: 78.5	F: 85.5 M: 79.3	F: 85.9 M: 79.8	F: 86.0 M: 80.1	F: 86.7 M: 80.3	F: 86.4 M: 80.7	F: 86.7 M: 81.1	F: 86.9 M: 81.2	F: 87.3 M: 81.4	F: 87.3 M: 81.3	F: 87.7 @ M: 81.7 @
2. Public expenditure on health as a proportion (in percent) of the GDP	2.63	1.97	2.21	2.16	2.06	2.22	2.79	2.99	2.40	2.83 @	2.49 @
3. Average patient days @	1.40	1.12	1.12	1.09	1.10	1.08	1.14	1.11	1.12	1.14	1.17
4. Stress index ^	100.00	72.28	72.67	65.24	69.49	66.82	67.07	67.66	64.62	66.68	63.16
5. General life satisfaction index^	100.00	107.54	111.62	111.44	108.98	110.08	111.52	110.25	111.24	116.53	117.75
<b>Social sub-index</b>											
6. Freedom of speech index ^	100.00	103.53	103.54	102.24	102.08	100.73	98.64	94.53	93.04	92.20	91.78
7. Press criticism index	100.00	83.65	79.15	83.10	86.29	88.77	95.62	92.03	93.96	91.51	85.38
8. Government performance index ^	100.00	130.07	144.49	138.20	117.58	129.25	119.66	115.20	107.62	111.91	129.16
9. Overall crime rate (per 1,000 population)	11.25	11.28	11.13	10.81	10.74	10.62	10.16	9.37	9.11	8.27	7.58
10. Public expenditure on education as a proportion (in percent) of the GDP	4.06	3.15	4.52	3.28	3.14	3.33	3.58	3.38	3.07	3.17 @	3.10 @
11. Enrolment rate of the relevant age groups (age 17-20) for first-year-first degree places of UGC-funded programmes	17.00	18.60	18.60	18.70	19.40	20.20	20.60	21.30	22.00	23.00	25.2
<b>Culture &amp; Leisure sub-index</b>											
12. Cultural programmes attendance (per 1,000 population)	253.28	157.73	143.03	148.40	140.74	144.88	141.45	134.97	130.44	125.31	109.51*
13. Recreation and sport activities participation (per 1,000 population)	303.13	436.65	421.92	390.25	440.10	398.21	453.20	393.60	438.85	394.65	401.72
14. Oversea travel times	0.74	0.89	0.91	0.97	1.01	1.09	1.20	1.28	1.43	1.54	1.64
<b>Economic sub-index</b>											
15. Housing affordability ratio	4.60	7.67	8.20	10.16	11.35	12.73	14.00	14.67	15.68	14.56	16.18
16. Real rental index	108.29	130.78	112.86	131.39	155.60	159.08	165.23	163.38	171.86	163.31	174.72
17. Unemployment rate	7.34	3.68	5.17	4.20	3.39	3.31	3.30	3.24	3.28	3.38	3.06
18. Index of current economic conditions ^	76.55	81.55	83.40	96.22	88.50	89.72	95.74	102.01	101.24	103.77	108.45
19. Real wage index	117.53	116.68	116.25	115.45	118.65	120.58	120.83	117.88	118.33	120.03	122.78
<b>Environmental sub-index</b>											
20. Air quality index	2.24	2.56	2.23	2.18	2.42	2.05	2.28	2.09	1.91	1.71	1.66
21. Water index	74.40	81.70	84.10	84.20	81.80	85.40	86.60	85.40	81.70	84.00	82.85*
22. Noise index (per 1000 population)	1.85	1.07	1.03	0.97	0.91	0.96	0.90	0.69	0.73	0.65	0.70
23. Recycle rate of municipal solid waste	36.30	48.76	49.30	51.95	47.94	38.85	36.61	36.48	35.37	33.51	34.44*

^ subjective index (data from telephone survey)

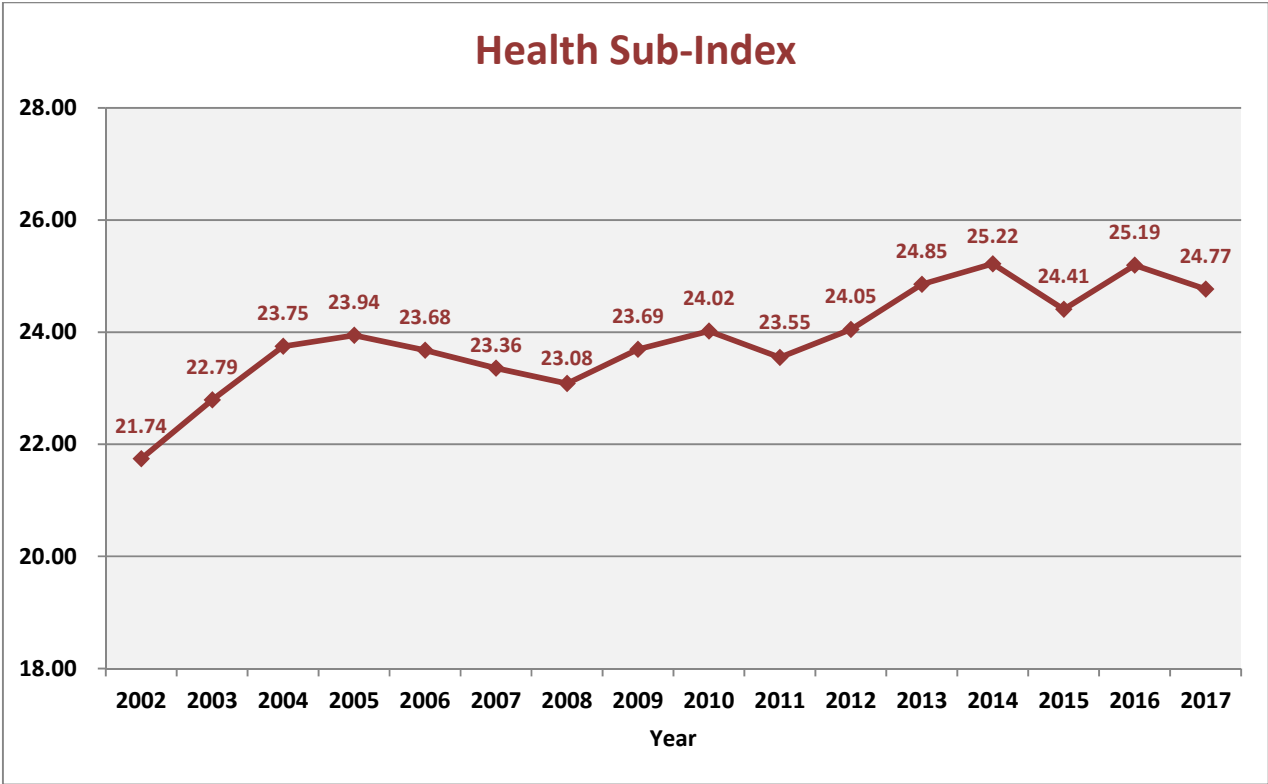
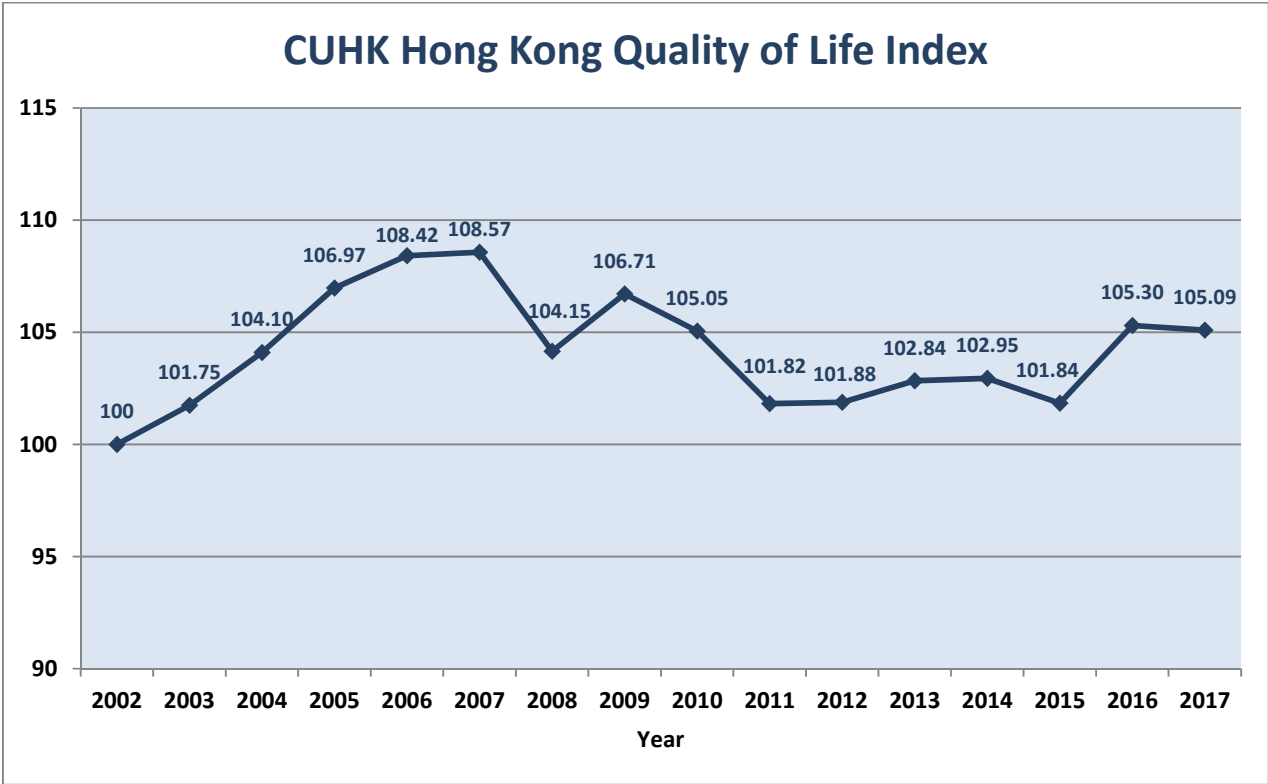
@ provisional figures

\* forecasted figures

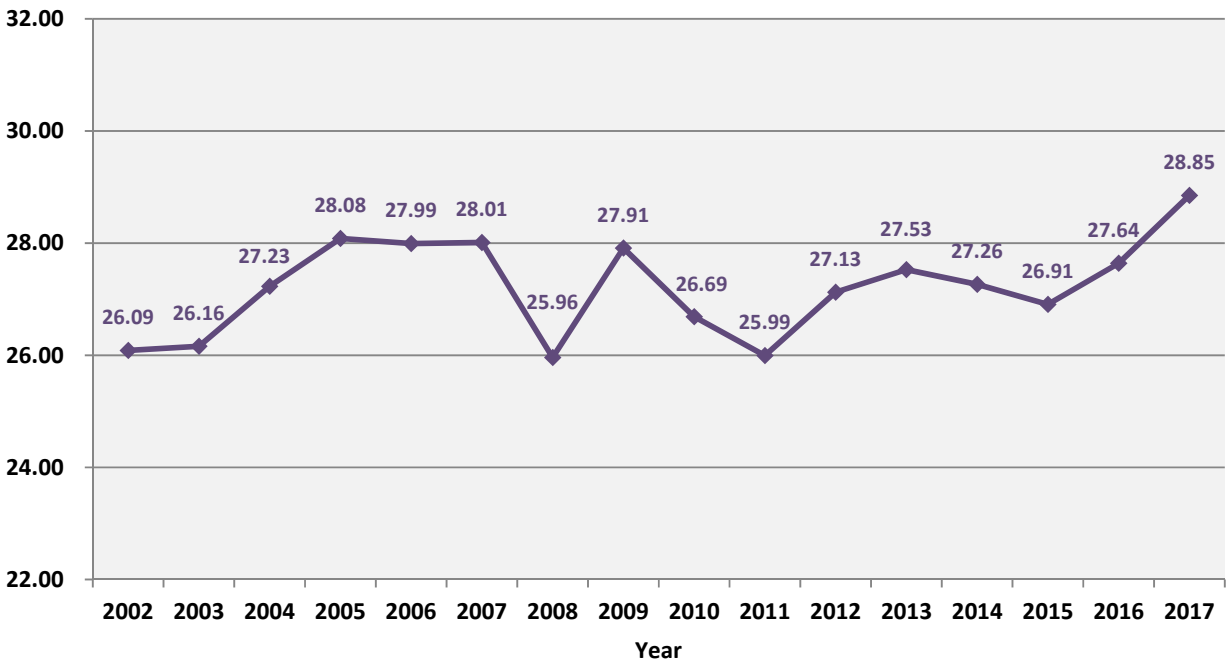
■ revised figures

**Appendix 3: Line Charts of CUHK Hong Kong Quality of Life Index and Sub-indices**

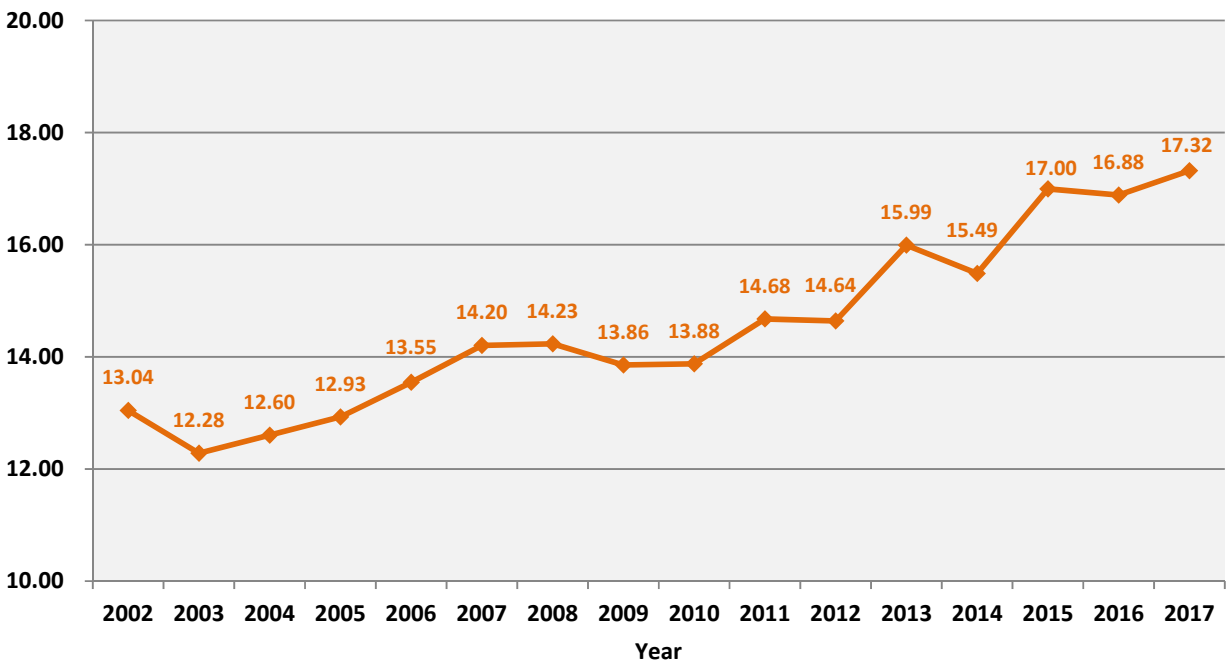
The higher the indicator scores, the better it performs.



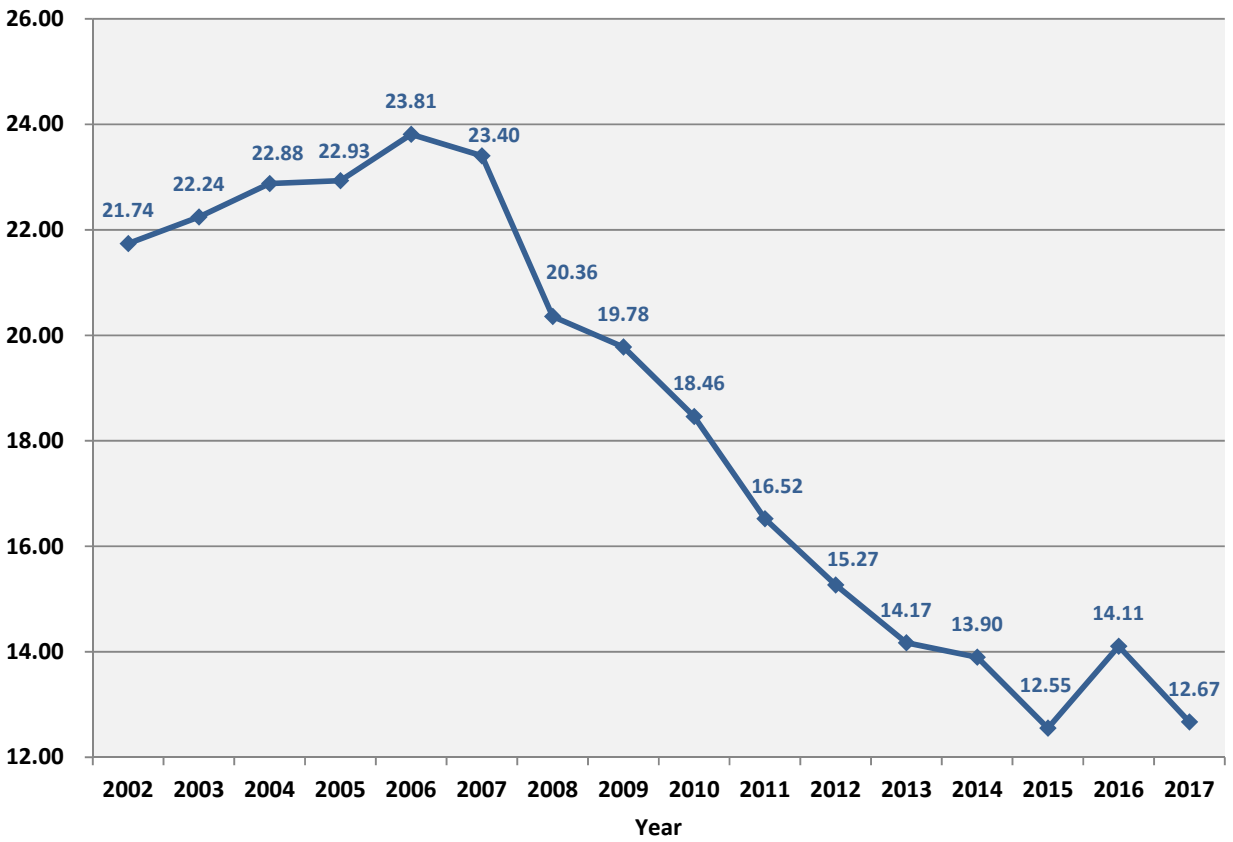
## Social Sub-Index



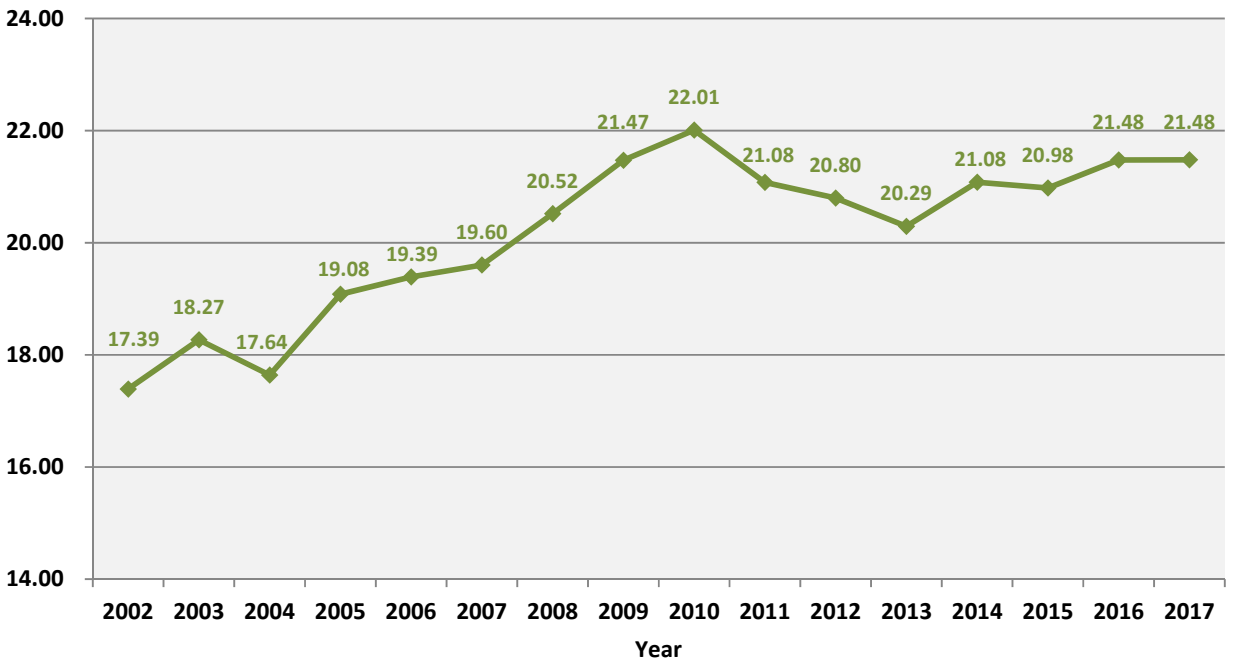
## Culture & Leisure Sub-Index



## Economic Sub-Index

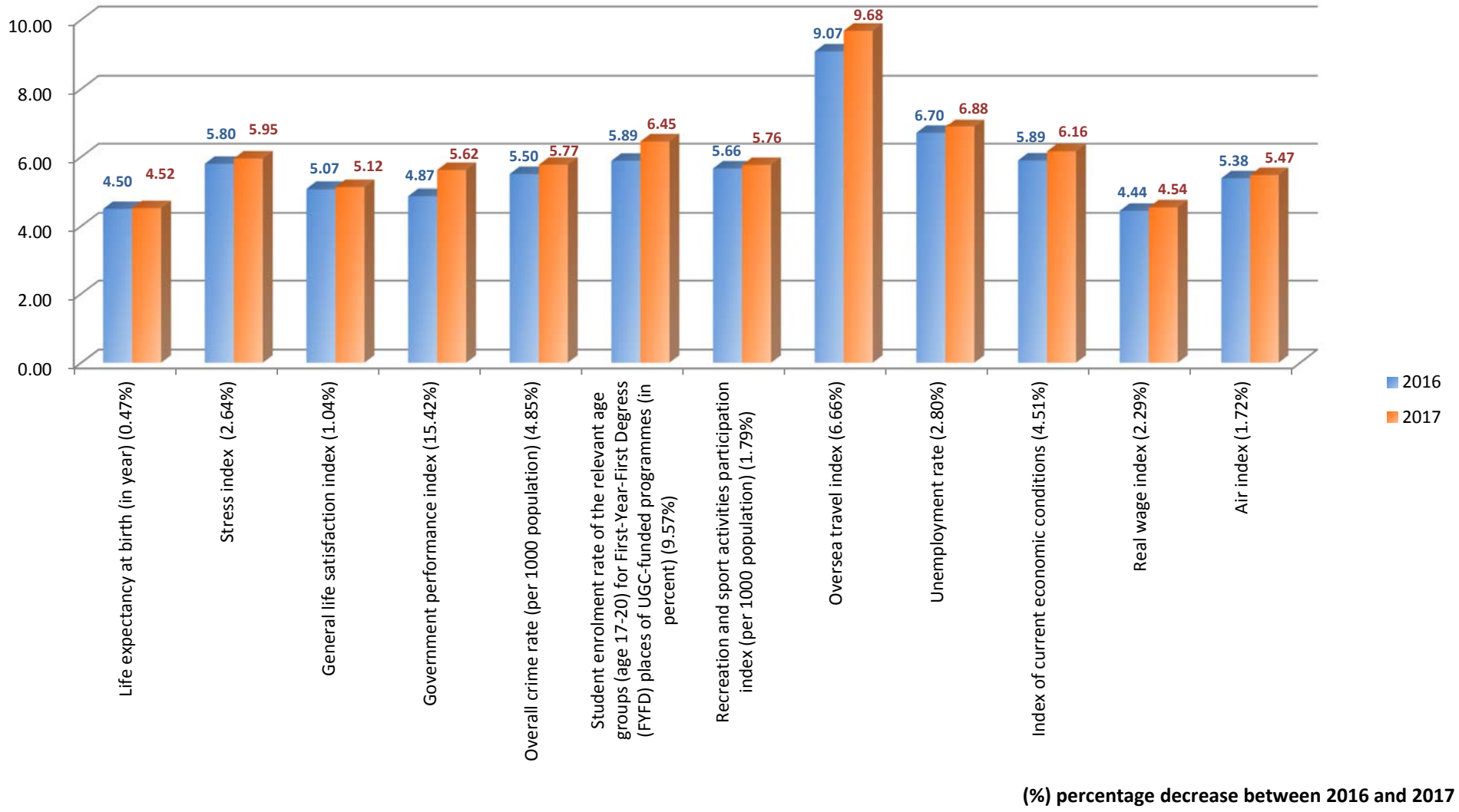


## Environmental Sub-Index



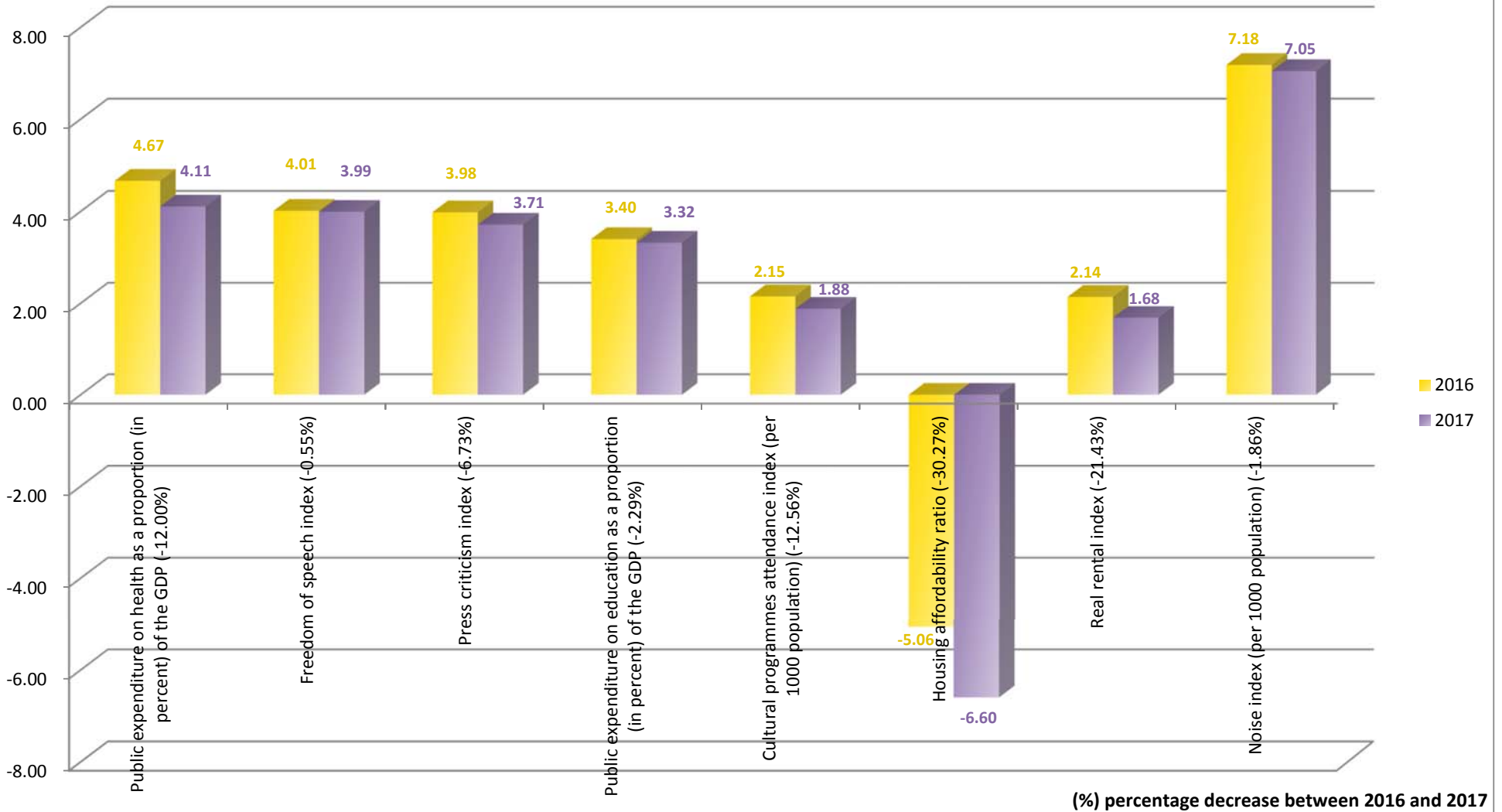
**Appendix 4**

**2016-2017 CHUK Hong Kong Quality of Life Index - Better Indicators**



**Appendix 5**

**2016-2017 CUHK Hong Kong Quality of Life Index - Worse Indicators**





## **Working Group of the CUHK Hong Kong Quality of Life Index**

Prof. Wong Hung  
Director, Centre for Quality of Life, HKIAPS  
Associate Professor, Department of Social Work  
Tel: 3943-7510  
Email: [hwong@cuhk.edu.hk](mailto:hwong@cuhk.edu.hk)

Prof. Chong Tai Leung  
Associate Professor  
Department of Economics  
Tel: 3943-1614  
Email: [chong2064@cuhk.edu.hk](mailto:chong2064@cuhk.edu.hk)

Prof. Chu S.C. Donna  
Associate Professor  
School of Journalism and Communication  
Tel: 3943-1908  
Email: [donnachu@cuhk.edu.hk](mailto:donnachu@cuhk.edu.hk)

Prof. CHUNG Yat-nork Roger  
Assistant Professor  
JC School of Public Health and Primary Care  
Tel: 2252-8799  
Email: [rychung@cuhk.edu.hk](mailto:rychung@cuhk.edu.hk)

Prof. Kwong Kai Sun  
Associate Professor  
Department of Economics  
Tel: 3943-1855  
Email: [kaisunkwong@cuhk.edu.hk](mailto:kaisunkwong@cuhk.edu.hk)

Prof. Lee L.F. Francis  
Professor  
School of Journalism and Communication  
Tel: 3943-1990  
Email: [francis\\_lee@cuhk.edu.hk](mailto:francis_lee@cuhk.edu.hk)

Prof. Li Wei  
Assistant Professor  
Department of Government and Public Administration  
Tel: 3943-7554  
Email: [liwei@cuhk.edu.hk](mailto:liwei@cuhk.edu.hk)

Prof. Mak W.S. Winnie  
Professor  
Department of Psychology  
Tel: 3943-6577  
Email: [wsmak@psy.cuhk.edu.hk](mailto:wsmak@psy.cuhk.edu.hk)

Prof. Ng Sai Leung  
Associate Professor  
Department of Geography and Resource Management  
Tel: 3943-6527  
Email: [slng@cuhk.edu.hk](mailto:slng@cuhk.edu.hk)

Prof. Ting Kwok Fai  
Professor  
Department of Sociology  
Tel: 3943-6626  
Email: [kfting@cuhk.edu.hk](mailto:kfting@cuhk.edu.hk)

Prof. Tsou Jin Yeu  
Professor  
School of Architecture  
Tel: 3943-6558  
Email: [jinyeutsou@cuhk.edu.hk](mailto:jinyeutsou@cuhk.edu.hk)

Prof. Wang Qian  
Associate Professor  
Department of Psychology  
Tel: 3943-6456  
Email: [qianwang@psy.cuhk.edu.hk](mailto:qianwang@psy.cuhk.edu.hk)