

# 2000 Health Manpower Survey

## 二零零零年醫療衛生服務人力統計調查

### Results of Enumeration

#### 點算結果

#### 1. Objectives

1.1 The 2000 Health Manpower Survey (HMS) was conducted by the Department of Health (DH) during July 2000. This is the eighth survey of the same series, with previous rounds conducted in 1980, 1982, 1984, 1987, 1990, 1992 and 1996. The main objectives of the 2000 HMS were:

- (i) to provide up-to-date information on the size and structure of all types of healthcare personnel practising in Hong Kong;
- (ii) to study the change in size and composition of the healthcare personnel over the years; and
- (iii) to study the inter-sector flow of different types of healthcare personnel between 1996 and 2000.

#### 2. Survey Coverage

2.1 The 2000 HMS aimed to cover all healthcare personnel working in Hong Kong (except Chinese medicine practitioners). All institutions in which such personnel were likely to be employed were covered. The number of institutions covered amounted to 10 489 whilst a total of 57 971 healthcare personnel were covered in the survey.

#### 3. Survey Methodology

3.1 In view of the large number of institutions covered, a mail questionnaire survey method with appropriate telephone and field follow-up was adopted. Before the conduct of the survey, letters were sent to the professional associations and related institutions in June 2000 explaining the objectives of the survey and seeking their co-operation. News-in-brief was published in the

#### 1. 目的

1.1 衛生署於二零零零年七月進行醫療衛生服務人力統計調查，這是繼一九八零、一九八二、一九八四、一九八七、一九九零、一九九二及一九九六年同類統計調查後進行的第八次調查。是次統計調查的主要目的如下：

- (i) 搜集有關所有在香港工作的醫療護理人員的人數和結構的最新資料；
- (ii) 研究近年醫療護理人員的人數及組合的轉變；以及
- (iii) 研究一九九六年至二零零零年期間各類醫療護理人員在不同類型機構間的轉職情況。

#### 2. 統計調查涵蓋範圍

2.1 二零零零年醫療衛生服務人力統計調查是以所有在香港執業的醫療護理人員為調查對象（中醫師除外），並涵蓋所有可能會聘用這些人員的機構，是次統計調查涵蓋的機構總數達10 489間，共包括了57 971名醫療護理人員。

#### 3. 統計調查方法

3.1 鑑於涵蓋的機構數目龐大，是次統計調查採用郵寄問卷的方式進行，並適當地以電話及外勤訪問進行跟進。在二零零零年六月，衛生署去信各專業組織及有關機構，解釋是次統計調查的目的及籲請他們合作，並在《公眾健康及流行病學期刊》以及衛生署和管理局及委員會辦事處印製的簡訊中刊登短訊，籲請醫療護理人員支持。而有關

“Public Health & Epidemiology Bulletin” as well as various newsletters issued by the Department of Health and the Boards & Councils Office to solicit the support of the healthcare personnel. Information on the survey was also uploaded onto the homepage of the DH.

3.2 As the unit of enumeration was confined to institution, invitation letters, questionnaires and reply envelopes were first sent to the institutions covered. The non-responded institutions were followed-up by sending reminding letters, and then by telephone and field visits. A supplementary survey in the form of mail questionnaires was further conducted in December 2000 to improve the response rates of the gazetted type of healthcare personnel, namely, dentists, doctors, medical laboratory technologists, nurses (registered / enrolled), occupational therapists, optometrists, pharmacists, physiotherapists and radiographers.

#### 4. Results of Enumeration by Type of Institutions

4.1 The number of institutions covered in the 2000 HMS (10 489) increased considerably by 23.2% compared with the 1996 HMS (8 516). Such a large increase was mainly due to the growth in the number of geriatric home, nursery / child care centre, pharmaceutical company, private clinic and rehabilitation institute. Nevertheless, the overall response rate of institutions in the 2000 HMS showed an improvement over the 1996 HMS as shown below:

|                       |       |             | 1996  | 2000   |
|-----------------------|-------|-------------|-------|--------|
| Number covered        | 涵蓋數目  | (a)         | 8 516 | 10 489 |
| Number responded      | 回應數目  | (b)         | 7 898 | 10 440 |
| Overall response rate | 整體回應率 | (c)=(b)/(a) | 92.7% | 99.5%  |

4.2 The response rates of academic institutions, caterers / beverage companies, exempted clinics, government medical services / clinics, health clubs, Hospital Authority institutions, hotels, medical clinics, pharmaceutical companies, private hospitals and nursing homes, and special schools were 100.0% while those of other institutions were all over 96.0% (Table 1).

這項統計調查的資料亦同時在衛生署的網頁登載。

3.2 是次統計調查是以機構作為點算單位，所以衛生署先向涵蓋的機構發出邀請信、問卷和回郵信封，繼而向沒有回覆的機構發出備忘提示函件，並以電話及外勤訪問作跟進。衛生署在二零零零年十二月以郵寄問卷的方式進行補充調查，以提高憲報公布的各類醫療護理人員，即牙醫、醫生、醫務化驗師、護士（註冊／登記）、職業治療師、視光師、藥劑師、物理治療師及放射技師的回應率。

#### 4. 按機構類別劃分的點算結果

4.1 二零零零年醫療衛生服務人力統計調查涵蓋的機構數目（10 489）較一九九六年統計調查的數目（8 516）大幅增加達23.2%。數目大增主要是由於安老院、託兒所／幼兒中心、藥物製造及銷售公司、私家診所及復康機構的數目增加所致。然而，從下列數據顯示二零零零年醫療衛生服務人力統計調查中機構的整體回應率較一九九六年統計調查為佳：

|                       |       |             | 1996  | 2000   |
|-----------------------|-------|-------------|-------|--------|
| Number covered        | 涵蓋數目  | (a)         | 8 516 | 10 489 |
| Number responded      | 回應數目  | (b)         | 7 898 | 10 440 |
| Overall response rate | 整體回應率 | (c)=(b)/(a) | 92.7% | 99.5%  |

4.2 學術機構、膳食／飲品製造公司、豁免診療所、政府醫療服務單位／診療所、健身會所、醫院管理局機構、酒店、註冊診療所、藥物製造及銷售公司、私家醫院及護養院、特殊學校的回應率達100.0%，其他機構的回應率亦全部超過96.0%（表一）。

## 5. Results of Enumeration by Type of Healthcare Personnel

5.1 The number of healthcare personnel covered in the 2000 HMS (57 971) recorded significant growth over the 1996 HMS (46 429). However, a decrease in the overall response rate of healthcare personnel was noted in the 2000 HMS as shown below:

|                       |       |             | 1996   | 2000   |
|-----------------------|-------|-------------|--------|--------|
| Number covered        | 涵蓋數目  | (a)         | 46 429 | 57 971 |
| Number responded      | 回應數目  | (b)         | 38 334 | 44 303 |
| Overall response rate | 整體回應率 | (c)=(b)/(a) | 82.6%  | 76.4%  |

5.2 Analysed by type of healthcare personnel, the response rate was highest for ancillary dental personnel (93.3%), followed by midwife (92.5%) and occupational therapists (86.4%), whilst the lowest was observed for pharmacists (65.2%), followed by doctors (68.0%), radiographers (74.3%), optometrists (74.8%) and medical laboratory technologists (74.9%). In absolute terms, the number of non-response was highest for registered nurses, amounted to 5 149, followed by doctors (2 975) and enrolled nurses (1 665) (Table 2).

5.3 A total of 2 266 dentists, doctors, enrolled nurses, medical laboratory technologists, occupational therapists, optometrists, pharmacists, physiotherapists, radiographers and registered nurses responded to the survey and claimed to be inactive (Table 2). Comparisons with the previous survey findings should be cautioned here as information on the inactive nurses (registered / enrolled), physiotherapists and radiographers has only been collected since the 2000 HMS. In fact, over two-thirds of the inactive personnel enumerated in the 2000 HMS were nurses.

5.4 Further analysis showed that the numbers of inactive cases for dentists, doctors, medical laboratory technologists, occupational therapists, optometrists and pharmacists all experienced decreases in the 2000 HMS compared with the 1996 HMS. Migration, having changed profession and retirement were the common reasons cited by these inactive personnel.

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The Government of the Hong Kong  
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## 5. 按醫療護理人員類別劃分的點算結果

5.1 二零零零年醫療衛生服務人力統計調查涵蓋的醫療護理人員數目(57 971)明顯較一九九六年增加(46 429)。但下列數據顯示,是次統計調查中醫務護理人員的整體回應率卻較一九九六年為低:

|                       |       |             | 1996   | 2000   |
|-----------------------|-------|-------------|--------|--------|
| Number covered        | 涵蓋數目  | (a)         | 46 429 | 57 971 |
| Number responded      | 回應數目  | (b)         | 38 334 | 44 303 |
| Overall response rate | 整體回應率 | (c)=(b)/(a) | 82.6%  | 76.4%  |

5.2 按醫療護理人員類別分析,牙科輔助人員的回應率最高(93.3%),其次是助產士(92.5%)及職業治療師(86.4%)。藥劑師的回應率最低(65.2%),其次是醫生(68.0%)、放射技師(74.3%)、視光師(74.8%)及醫務化驗師(74.9%)。以人數計算,未有作出回應的註冊護士為數最多,總數達5 149人,其次是醫生(2 975人)及登記護士(1 665人)(表二)。

5.3 就是次統計調查作出回應,並據報不再從事業內工作的牙醫、醫生、登記護士、醫務化驗師、職業治療師、視光師、藥劑師、物理治療師、放射技師及註冊護士共有2 266名(表二)。由於有關非從事業內工作的護士(註冊/登記)、物理治療師及放射技師的資料自二零零零年醫療衛生服務人力統計調查才開始收集,與以往統計調查結果作比較時,應加以小心。事實上,在二零零零年醫療衛生服務人力統計調查經點算非從事業內工作的人員中,超過三分之二為護士。

5.4 進一步分析顯示,二零零零年醫療衛生服務人力統計調查中非從事業內工作的牙醫、醫生、醫務化驗師、職業治療師、視光師及藥劑師的人數,均較一九九六年的統計調查有所減少。移民、轉業和退休是該等非從事業內工作人員舉出的普遍原因。

香港特別行政區政府  
衛生署  
二零零一年十一月

**Table 1 : Response Rate by Type of Institutions**  
 表一：按機構類型劃分的回應率

| Type of Institutions                | 機構類型           | Number Covered<br>涵蓋數目 | Response Rate<br>回應率 (%) |
|-------------------------------------|----------------|------------------------|--------------------------|
| Academic Institution                | 學術機構           | 28                     | 100.0                    |
| Caterer / Beverage Company          | 膳食 / 飲品製造公司    | 44                     | 100.0                    |
| Chiropractic Clinic                 | 脊醫診所           | 40                     | 97.5                     |
| Dental Laboratory                   | 牙科技術室          | 247                    | 98.4                     |
| Dental Surgery                      | 牙醫診所           | 1 095                  | 99.8                     |
| Exempted Clinic                     | 豁免診療所          | 106                    | 100.0                    |
| Geriatric Home                      | 安老院            | 776                    | 96.6                     |
| Government Medical Service / Clinic | 政府醫療服務單位 / 診療所 | 382                    | 100.0                    |
| Health Club                         | 健身會所           | 96                     | 100.0                    |
| Hospital Authority Institution      | 醫院管理局機構        | 50                     | 100.0                    |
| Hotel                               | 酒店             | 40                     | 100.0                    |
| Medical and X-ray Laboratory        | 醫療及X光化驗所       | 218                    | 99.5                     |
| Medical Clinic                      | 註冊診療所          | 86                     | 100.0                    |
| Medical Equipment Company           | 醫療器材公司         | 604                    | 99.7                     |
| Miscellaneous Health Services       | 雜項醫療服務         | 351                    | 99.7                     |
| Nursery / Child Care Centre         | 託兒所 / 幼兒中心     | 508                    | 99.4                     |
| Optical Company / Shop              | 眼鏡及眼鏡用品公司 / 商店 | 984                    | 99.8                     |
| Pharmaceutical Company              | 藥物製造及銷售公司      | 1 104                  | 100.0                    |
| Private Hospital and Nursing Home   | 私家醫院及護養院       | 33                     | 100.0                    |
| Private Practitioner's Office       | 私家醫生醫務所        | 2 816                  | 99.9                     |
| Rehabilitation Institute            | 復康機構           | 747                    | 99.6                     |
| Special School                      | 特殊學校           | 76                     | 100.0                    |
| Others                              | 其他             | 58                     | 100.0                    |
| <b>Total</b>                        | <b>總數</b>      | <b>10 489</b>          | <b>99.5</b>              |

**Table 2 : Response Rate by Type of Healthcare Personnel**

**表二：按醫療護理人員類別劃分的回應率**

| Type of Healthcare Personnel<br>醫療護理人員類別     | Total Covered<br>涵蓋總數     | Responded<br>作出回應         |                       |                       |                     |                           |                       | Non-responded<br>沒有回應    |                       |
|--|---------------------------|---------------------------|-----------------------|-----------------------|---------------------|---------------------------|-----------------------|--------------------------|-----------------------|
|  |                           | Active<br>從事業內工作          |                       | Inactive ❶<br>非從事業內工作 |                     | Total<br>總數               |                       | No.<br>人數                | %<br>百分率              |
|  |                           | No.<br>人數                 | %<br>百分率              | No.<br>人數             | %<br>百分率            | No.<br>人數                 | %<br>百分率              |                          |                       |
| Dentist<br>牙醫                                | 1 589 ❶                   | 1 152                     | 72.5                  | 60                    | 3.8                 | 1 212                     | 76.3                  | 377                      | 23.7                  |
| Doctor<br>醫生                                 | 9 298 ❶                   | 5 992                     | 64.4                  | 331                   | 3.6                 | 6 323                     | 68.0                  | 2 975                    | 32.0                  |
| Enrolled Nurse<br>登記護士                       | 8 077 ❷                   | 6 106                     | 75.6                  | 306                   | 3.8                 | 6 412                     | 79.4                  | 1 665                    | 20.6                  |
| Medical Laboratory Technologist<br>醫療化驗師     | 2 412 ❶                   | 1 698                     | 70.4                  | 109                   | 4.5                 | 1 807                     | 74.9                  | 605                      | 25.1                  |
| Midwife<br>助產士                               | 147 ❸                     | 136                       | 92.5                  | N.A.                  | N.A.                | 136                       | 92.5                  | 11                       | 7.5                   |
| Occupational Therapist<br>職業治療師              | 774 ❶                     | 648                       | 83.7                  | 21                    | 2.7                 | 669                       | 86.4                  | 105                      | 13.6                  |
| Optometrist<br>視光師                           | 1 864 ❶                   | 1 359                     | 72.9                  | 35                    | 1.9                 | 1 394                     | 74.8                  | 470                      | 25.2                  |
| Pharmacist<br>藥劑師                            | 1 289 ❶                   | 758                       | 58.8                  | 82                    | 6.4                 | 840                       | 65.2                  | 449                      | 34.8                  |
| Physiotherapist<br>物理治療師                     | 1 245 ❶                   | 993                       | 79.8                  | 30                    | 2.4                 | 1 023                     | 82.2                  | 222                      | 17.8                  |
| Radiographer<br>放射技師                         | 1 387 ❶                   | 976                       | 70.4                  | 55                    | 4.0                 | 1 031                     | 74.3                  | 356                      | 25.7                  |
| Registered Nurse<br>註冊護士                     | 21 635 ❷                  | 15 249                    | 70.5                  | 1 237                 | 5.7                 | 16 486                    | 76.2                  | 5 149                    | 23.8                  |
| Ancillary Dental Personnel<br>牙科輔助人員         | 1 939 ❸                   | 1 810                     | 93.3                  | N.A.                  | N.A.                | 1 810                     | 93.3                  | 129                      | 6.7                   |
| Other Allied Nursing Personnel<br>其他護理相連職系人員 | 3 846 ❸                   | 3 021                     | 78.5                  | N.A.                  | N.A.                | 3 021                     | 78.5                  | 825                      | 21.5                  |
| Other Allied Health Personnel<br>其他專職醫療人員    | 2 469 ❸                   | 2 139                     | 86.6                  | N.A.                  | N.A.                | 2 139                     | 86.6                  | 330                      | 13.4                  |
| <b>Total 總數</b>                              | <b>57 971</b><br>(46 429) | <b>42 037</b><br>(37 480) | <b>72.5</b><br>(80.7) | <b>2 266</b><br>(854) | <b>3.9</b><br>(1.8) | <b>44 303</b><br>(38 334) | <b>76.4</b><br>(82.6) | <b>13 668</b><br>(8 095) | <b>23.6</b><br>(17.4) |

Notes : ❶ Figures refer to the numbers of professionals on respective registers maintained by the Boards and Councils Office.

註釋

For doctors and dentists, those on the overseas lists were excluded.

數字指管理局及委員會辦事處備存的各註冊名冊上的專業人員數目，而外地名冊上的醫生及牙醫人數則不包括在內。

❷ Figures refer to the numbers of personnel holding a valid practising certificate issued by the Nursing Council.

數字指持有護士管理局頒發的有效執業證明書的人員數目。

❸ Figures refer to the respective numbers of personnel reported by the responded institutions.

數字指各被訪機構呈報的人員數目。

❹ Inactive cases refer to those reported to have migrated, retired, deceased or ceased practising in the healthcare profession as registered etc..

非從事業內工作指呈報為移民、退休、身故或不再從事所註冊的醫療護理專業等人士。

Figures in brackets refer to findings of the 1996 HMS.

括弧內的數字指一九九六年醫療衛生服務人力統計調查的結果。

Figures may not add up to total due to rounding.

由於進位關係，有關數字的總和可能與總數不符。

N.A. - Not applicable 不適用