

2007 Health Manpower Survey
2007 年醫療衛生服務人力統計調查
Summary of the Characteristics of Medical Laboratory Technologists
Enumerated
經點算醫務化驗師的特徵摘要

Executive Summary

I. Medical Laboratory Technologists Covered

1.1 The medical laboratory technologists covered in the 2007 HMS were medical laboratory technologists registered with the Medical Laboratory Technologists Board of Hong Kong under the Supplementary Medical Professions Ordinance (Chapter 359) as at the survey reference date - 31.3.2007.

1.2 The survey covered 2 566 medical laboratory technologists.

1.3 Of the 2 566 registered medical laboratory technologists covered, 1 167 had responded to the survey, giving an overall response rate of 45.5%. Among the respondents, 1 064 were economically active* † (active) and 102 reported to be economically inactive* ‡ (inactive) in the local medical laboratory technology profession as at 31.3.2007 (Chart A).

* In the survey, the criteria used in defining economically active and inactive followed those recommended by the International Labour Organization, which are also being used by the Census and Statistics Department in Hong Kong.
是次統計調查中用以界定從事經濟活動及非從事經濟活動的準則，均參照國際勞工組織所提出並獲香港政府統計處所採用的建議。

† “Economically active” medical laboratory technologists comprised all “employed” and “unemployed” medical laboratory technologists. “Employed” medical laboratory technologists referred to those medical laboratory technologists practising in the medical laboratory technology profession in Hong Kong during the survey period, while the “unemployed” medical laboratory technologists referred to those medical laboratory technologists who (a) were not practising in the local medical laboratory technology profession during the survey period; (b) had been available for work during the seven days before the survey; and (c) had sought work in the local medical laboratory technology profession during the 30 days before the survey.
“從事經濟活動”的醫務化驗師包括所有“就業”及“待業”醫務化驗師。“就業”醫務化驗師是指統計調查期間在本港從事醫務化驗專業的醫務化驗師，而“待業”醫務化驗師則指(a)在統計調查期間並非在本港從事醫務化驗專業；(b)在統計日前 7 天內能夠上班；及(c)在統計日前 30 天內正在找尋醫務化驗專業工作的醫務化驗師。

‡ “Economically inactive” medical laboratory technologists referred to medical laboratory technologists who were not practising in the medical laboratory technology profession in Hong Kong during the survey period, excluding those who had been on leave during the survey period and who were economically active but “unemployed”.

“非從事經濟活動”的醫務化驗師包括在統計調查期間並非在本港從事醫務化驗專業的醫務化驗師，但不包括在統計調查期間休假及“從事經濟活動”但“待業”的醫務化驗師。

簡要報告

I. 所涵蓋的醫務化驗師

1.1 2007 年的醫療衛生服務人力統計調查所涵蓋的醫務化驗師，是指截至調查點算當日(即 2007 年 3 月 31 日)已按《輔助醫療業條例》(第 359 章)的規定，向香港醫務化驗師管理委員會註冊的醫務化驗師。

1.2 所涵蓋醫務化驗師的人數為 2 566 名。

1.3 在統計調查所涵蓋的 2 566 名註冊醫務化驗師中，有 1 167 名作出回應，整體回應率為 45.5%。在回應者中，有 1 064 名醫務化驗師於 2007 年 3 月 31 日在本港醫務化驗專業從事經濟活動* † (在職)。而有 102 名據報並非在本港醫務化驗專業從事經濟活動* ‡ (非在本港從事業內工作) (圖甲)。

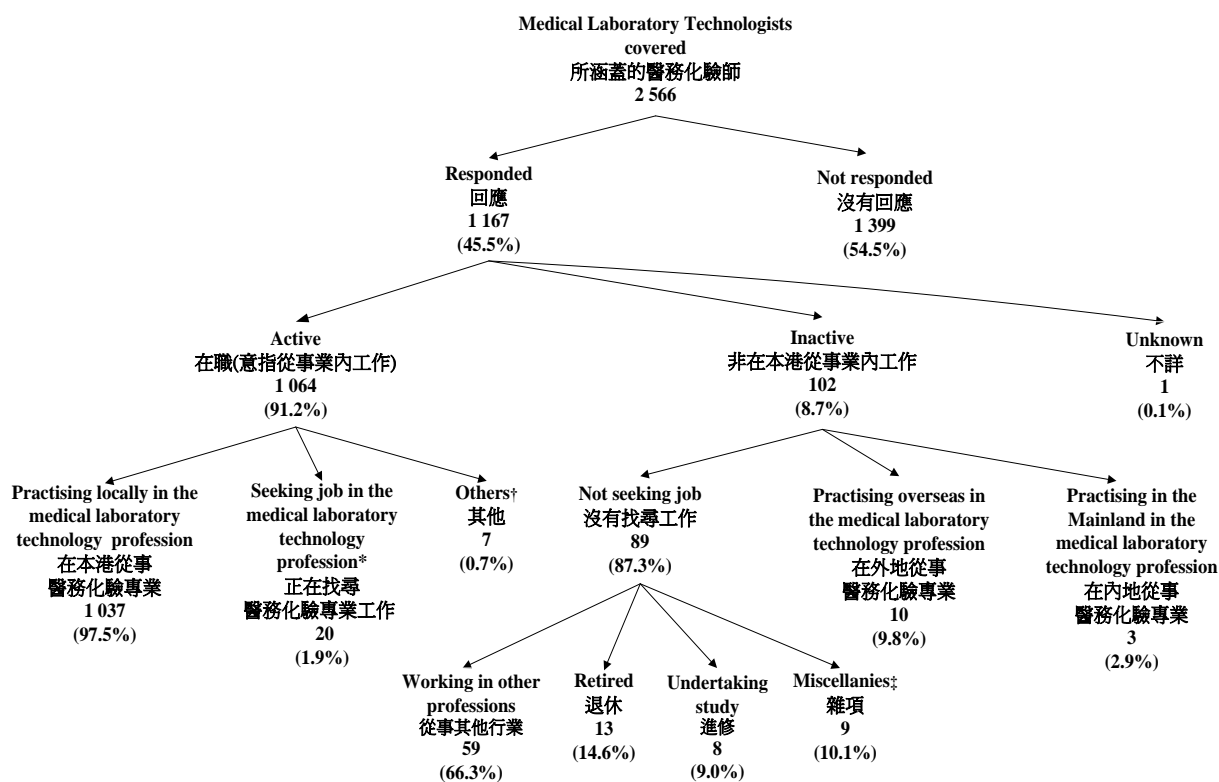
1.4 Of the 1 064 active medical laboratory technologists , 20 were seeking jobs, and seven were waiting to take up new job, expecting to return to their original job, believed that no work was available in the local medical laboratory technology profession, during the 30 days before the survey. The survey results presented in paragraph 1.6 below were based on the remaining 1 037 responding medical laboratory technologists who were practising in the local medical laboratory technology profession as at 31.3.2007. As certain questionnaires contained missing information, percentages presented below may not add up to 100%.

1.5 Of the 102 inactive medical laboratory technologists, ten reported practising overseas, three reported practising in the Mainland and 89 reported not practising in the medical laboratory technology profession in Hong Kong and not seeking job in the local medical laboratory technology profession during the 30 days before the survey (**Chart A**). Among the 89 inactive medical laboratory technologists who reported not seeking job, the main reasons reported for not seeking jobs including: 59(66.3%) were working in other professions, 13(14.6%) were retired and eight(9.0%) were undertaking studies.

1.4 在 1 064 名在職醫務化驗師中，20 名正在本港找尋醫務化驗專業的工作及有七名在統計日前 30 天內正在等待上任新的醫務化驗專業工作、期待重返原任的醫務化驗專業崗位或相信醫務化驗專業工作暫無空缺。下文第 1.6 段所載的統計調查結果，是指截至 2007 年 3 月 31 日，根據 1 037 名在本港從事醫務化驗專業的醫務化驗師所提供的資料而製備的。由於部分問卷資料不全，下文所載的百分比總和可能不等於 100%。

1.5 在 102 名非在本港從事業內工作的醫務化驗師當中，有十名據報在外地執業，有三名據報在內地執業，另有 89 名並非在本港從事醫務化驗專業，而在統計日前 30 天內亦無找尋業內工作(圖甲)。在 89 名非在本港從事業內工作的醫務化驗師據報當中，沒有尋找工作主要原因包括 59 名(66.3%)從事其他行業、13 名(14.6%)退休、八名(9.0%)進修。

Chart A : Activity Status of Medical Laboratory Technologists Covered
圖甲： 所涵蓋醫務化驗師的經濟活動身分



Notes:
註釋

* Figure refers to the number of responding medical laboratory technologists who (a) were not practising in the medical laboratory technology profession in Hong Kong during the survey period; (b) had been available for work during the seven days before the survey; and (c) had sought work in the medical laboratory technology profession during the 30 days before the survey.

有關數字指(a)在統計調查期間並非在本港從事醫務化驗專業；(b)在統計日前7天內能夠上班；及(c)在統計日前30天內正在找尋醫務化驗專業工作的醫務化驗師人數。

† Figure refers to the number of responding medical laboratory technologists who (a) were not practising in the medical laboratory technology profession in Hong Kong during the survey period; (b) had been available for work during the seven days before the survey; and (c) were waiting to take up new job, expecting to return to their original job, believed that no work was available in the local medical laboratory technology profession during the 30 days before the survey.

有關數字指(a)在統計調查期間並非在本港從事醫務化驗專業；(b)在統計日前7天內能夠上班；及(c)在統計日前30天內正在等待上任新的醫務化驗專業工作、期待重返原任的醫務化驗專業崗位或相信醫務化驗專業工作暫無空缺的醫務化驗師人數。

‡ Figure refer to the number of responding medical laboratory technologists who wanted to take rest/no motive to work/no financial need, reported engaging in household duties, etc.

有關數字指希望休息／不想工作／財政上沒有需要、填報料理家務等項目的醫務化驗師人數。

1.6 Among the 1037 active medical laboratory technologists enumerated who were practising in the local medical laboratory technologists, 490 (47.3%) were male and 547 (52.7%) were female, giving an overall sex ratio (males per 100 females) of 90. Eight medical laboratory technologists did not indicate their age, and the median age of the remaining 1029 active medical laboratory technologists enumerated was 41.0 years. The median age of the active female medical laboratory technologists enumerated was 40.0 years and that of their male counterparts was 43.0 years.

1.7 The responding active medical laboratory technologists were requested to indicate the characteristics of their main jobs*. Distribution by sector for the main job showed that about half of the active medical laboratory technologists enumerated were working in the Hospital Authority (44.1%), followed by those working in the private sector (35.9%), the Government (12.0%) and the academic and subvented sectors (8.1%).

1.8 The median age of the active medical laboratory technologists enumerated was 42.0 years for those working in the Hospital Authority, and 41.5 years for those working in the academic and subvented sectors, followed by private sector (41.0 years) and the Government (39.0 years)

1.6 經點算 1 037 名在本港從事醫務化驗專業的在職醫務化驗師中，490 名(47.3%)為男性，547 名(52.7%)為女性，整體性別比率(每百名女性的男性人數)為 90。八名醫務化驗師沒有說明年齡，在餘下 1 029 名經點算在職醫務化驗師的整體年齡中位數為 41.0 歲。經點算女醫務化驗師的年齡中位數為 40.0 歲，而男醫務化驗師的年齡中位數則為 43.0 歲。

1.7 我們要求作出回應的在職醫務化驗師填寫其主要職位*的特徵。按主要職位所屬機構類型劃分的分布資料顯示，約半數經點算在職醫務化驗師在醫院管理局工作(44.1%)其餘依次為私營機構(35.9%)、政府(12.0%)和學術及資助機構(8.1%)。

1.8 經點算任職醫院管理局的醫務化驗師的年齡中位數為 42.0 歲，任職學術及資助機構的為 41.5 歲，其餘依次為私營機構(41.0 歲)及政府(39.0 歲)。

* Main jobs referred to the jobs in which the medical laboratory technologists had spent most of their working time.
主要職位是指佔醫務化驗師大部分工作時間的職位。

1.9 Of the 1 037 active medical laboratory technologists enumerated, 830 (80.0%) spent most of their working time on medical laboratory tests, followed by on administration / management (13.1%), on research (3.7%) and on teaching (1.2%).

1.10 Of the 1 037 active medical laboratory technologists enumerated, the median number of hours of work (excluding meal breaks) per week was 44.0 hours. 164 (15.8%) medical laboratory technologists were required to undertake on-call duty in their posts, with median number of 10.0 hours of on-call duty (excluding normal duty) per week.

1.11 Of the 1 037 active medical laboratory technologists enumerated, most held Diploma / Higher Diploma (40.2%) as their basic qualifications, 22.4% held Certificate of Competence / Ordinary Certificate / Higher Certificate, 22.4% held Bachelor's degree and 13.6% held Certificate issued by Medical Laboratory Technologists Board as their basic qualifications.

1.12 Of the 1 037 active medical laboratory technologists enumerated, 747 (72.0%) had received / were receiving additional training and 290 (28.0%) did not receive any additional training. Of the 747 active medical laboratory technologists had received / were receiving additional training, five (0.7%) active medical laboratory technologists had not yet completed the additional training, 316 (42.3%) held Bachelor's degree and 224 (30.0%) held Master's degree as the highest level of additional qualification obtained.

1.9 經點算的 1 037 名在職醫務化驗師中，830 名(80.0%)把大部分工作時間用於醫務化驗，其餘依次為行政／管理(13.1%)、研究(3.7%)及教學(1.2%)。

1.10 經點算的 1 037 名在職醫務化驗師中，每週工作時數中位數(不計用膳時間)為 44.0 小時。164 名(15.8%)醫務化驗師在現任職位中須擔任隨時候召的工作，他們的每週隨時候召工作(不計日常職務)時數的中位數為 10.0 小時。

1.11 經點算的 1 037 名在職醫務化驗師中，以持有文憑／高級文憑(40.2%)作為基本資格的人數最多。而 22.4%持有畢業證書／普通證書／高級證書，22.4%持有學士學位及 13.6%持有由醫務化驗師管理委員會頒發的證書作為基本資格。

1.12 經點算的 1 037 名在職醫務化驗師中，747 名(72.0%)曾接受或正接受額外訓練及 290 名(28.0%)沒有接受過額外訓練。747 名有接受額外訓練的在職醫務化驗師中，五名(0.7%)在職醫務化驗師尚未完成額外訓練，316 名(42.3%)持有學士學位作為最高學歷資格及 224 名(30.0%)持有碩士學位作為最高學歷資格。

1.13 Of the 747 medical laboratory technologists who had received or were receiving additional training, 481 (64.4%) were trained in one field of additional training; and among them, 42.4% were trained in biomedical sciences, 13.3% in medical microbiology, 12.1% in medical laboratory sciences, 8.9% in haematology and serology and 6.7% in medical laboratory technology.

1.14 Regarding Continuing Professional Development (CPD) activities, 285 (27.5%) of the active medical laboratory technologists revealed that they did not participate in any CPD activities in 2007 and 31 (3.0%) did not reveal whether they had participated in CPD or not. Among the 721 active medical laboratory technologists enumerated who had participated in CPD activities, the distribution of CPD credits attained in the past 12 months was: 1 to 10 credits (49.9%), 11 to 20 credits (31.8%) and 21 to 30 credits (10.3%).

1.13 在 747 名曾接受或正接受額外訓練的在職醫務化驗師中，481 名(64.4%)曾接受一項額外訓練，當中接受生物醫學科學訓練佔 42.4%，醫務微生物學佔 13.3%，醫務化學科學佔 12.1%，血液學和血清學佔 8.9%及醫務化驗技術佔 6.7%。

1.14 關於持續專業發展的活動，285 名(27.5%)在職醫務化驗師表示在 2007 年並沒有參與任何有關持續專業發展的活動，31 名(3.0%)沒有註明曾否參加持續專業發展的活動。至於 721 名表示曾參與持續專業發展活動的經點算在職醫務化驗師中，在過去 12 個月所獲得的學分為：1 至 10 學分(49.9%)，11 至 20 學分(31.8%) 和 21 至 30 學分(10.3%)。

II. Trend Analysis

2.1 Comparison of findings of the 2007 HMS with those surveys before 2004 should be cautious as the survey methodology and reference date had been changed.

2.2 Since the enactment of the Medical Laboratory Technologists (Registration and Disciplinary Procedure) Regulations in August 1991, it is mandatory for a person practising medical laboratory technology in Hong Kong to hold a valid practising certificate. Between 1992 and 2007, the number of medical laboratory technologists increased from 2 031 to 2 566(**Chart B**).

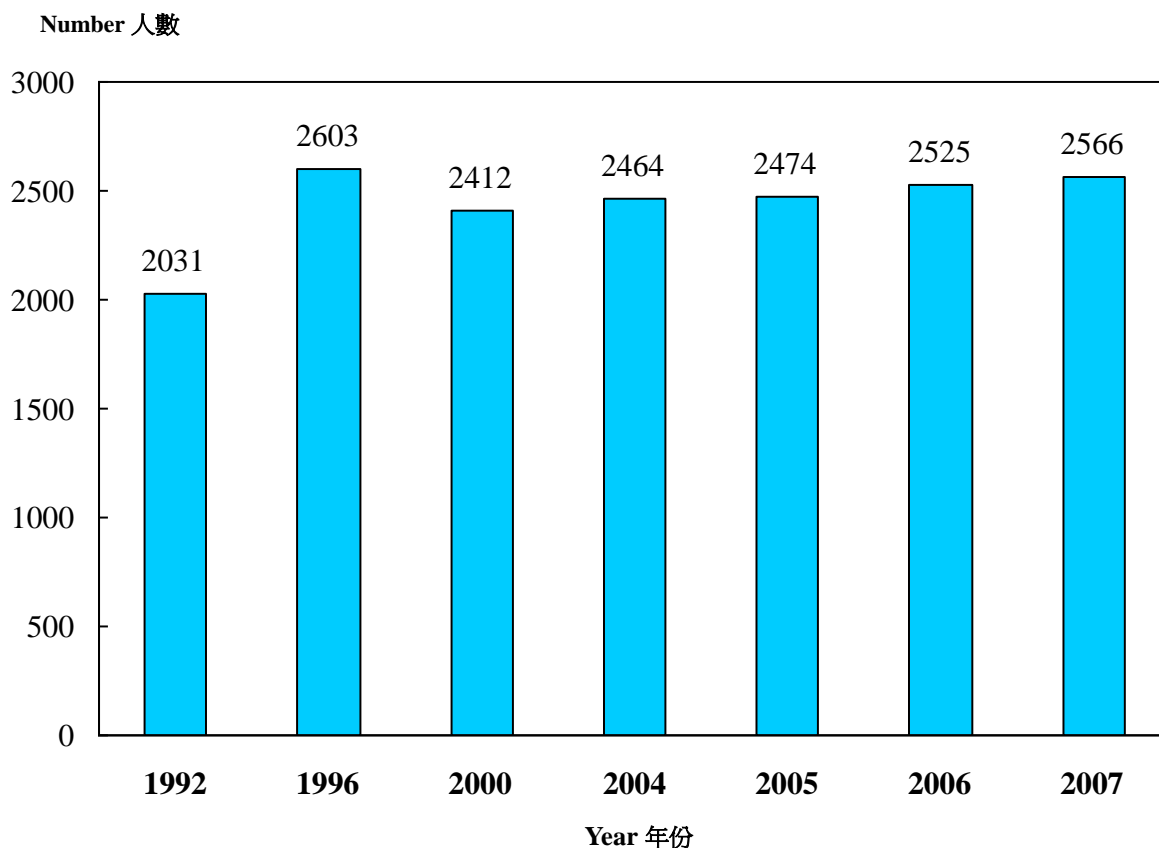
II. 趨勢分析

2.1 由於 2007 年的統計調查方法及點算日均已改變，故與 2004 年以前統計調查結果比較時必須小心謹慎。

2.2 自 1991 年 8 月《醫務化驗師(註冊及紀律處分程序)規例》制定後，所有在本港執業的醫務化驗師，必須持有有效的執業證明書。在 1992 年至 2007 年期間，醫務化驗師的人數由 2 031 名上升至 2 566 名(圖乙)。

Chart B: Number of Medical Laboratory Technologists Covered by Year (1992, 1996, 2000, 2004, 2005, 2006 and 2007)

圖乙：按年劃分的醫務化驗師涵蓋人數（1992年、1996年、2000年、2004年、2005年、2006年及2007年）



Note: Figures of the year 2000 and before refer to the number of medical laboratory technologists registered with the Medical Laboratory Technologists Board of Hong Kong as at the first of July of the respective years, whereas the figures of 2004, 2005, 2006 and 2007 refer to that as at the 31st of March of the respective years.

註釋：

有關數字指於2000年或之前在相關年份中7月1日已向香港醫務化驗師管理委員會註冊的醫務化驗師人數，而2004年、2005年、2006年及2007年的數字則指於相關年份3月31日已註冊的醫務化驗師人數。

2.3 There was an increasing proportion of female medical laboratory technologists. The overall sex ratio (males per 100 females) decreased from 151 in 1982 to 90 in 2007.

2.4 The mean age of the active medical laboratory technologists enumerated exhibited an increasing trend from 31.6 years in 1982 to 41.7 years in 2007.

2.5 From 1984 to 1990, the largest proportion of active medical laboratory technologists was working in the Government, followed by those working in the academic and subvented sectors, which together employed about 80% of the medical laboratory technologists. The Hospital Authority had been the largest employer since its set up in 1991, and the proportion working in the Government decreased from 42.6% in 1990 to 12.0% in 2007. The proportion working in the private sector increased from 13.1% in 1982 to 35.9% in 2007 (Table A).

2.3 女性的醫務化驗師所佔比例有所增加。醫務化驗師的整體性別比率(每百名女性的男性人數)，由 1982 年所得的 151，下跌至 2007 年所得的 90。

2.4 經點算在職醫務化驗師的平均年齡呈上升趨勢，由 1982 年的 31.6 歲上升至 2007 年的 41.7 歲。

2.5 在 1984 年至 1990 年統計調查期間，在職醫務化驗師以任職政府的人數最多，其次為學術及資助機構，兩者合共聘用大約 80% 的醫務化驗師。但是，醫院管理局自 1991 年成立以來，已成為最大的僱主，而政府所聘任的醫務化驗師的比例則由 1990 年的 42.6% 下降至 2007 年的 12.0%。而任職私營機構所佔比例，則由 1982 年統計調查所得的 13.1%，上升至 2007 年統計調查所得的 35.9% (表甲)。

Table A : Selected Characteristics of Active Medical Laboratory Technologists Enumerated (1982, 1984, 1987, 1990, 1992, 1996, 2000, 2004, 2005, 2006 and 2007)

表甲： 經點算在職醫務化驗師的選定特徵 (1982年、1984年、1987年、1990年、1992年、1996年、2000年、2004年、2005年、2006年及2007年)

Characteristics 特徵	Year										
	1982	1984	1987	1990	1992	1996	2000	2004	2005	2006	2007
A. Medical Laboratory Technologists Covered *	-	-	-	-	2 031	2 603	2 412	2 464	2 474	2 525	2 566
B. Active Medical Laboratory Technologists Enumerated 經點算在職醫務化驗師											
Number Enumerated 經點算人數	793	839	1 157	1 278	1 731	1 715	1 698	1 131	1 239	1 260	1 037
Sex 性別											
Male 男性	477	462	613	624	866	812	815	532	584	608	490
Female 女性	316	377	544	654	865	903	883	599	652	650	547
Unknown 不詳	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3	2	N.A.
Sex Ratio (males per 100 females) 性別比率 (每百名女性的男性人數)	151	123	113	95	100	90	92	89	90	94	90
Mean Age 平均年齡	31.6	32.3	32.7	34.2	33.5	34.5	36.7	40.0	39.3	40.8	41.7
Sector of Work 工作機構類型 [†]											
Government 政府	299 (37.7%)	374 (44.6%)	504 (43.6%)	544 (42.6%)	218 (12.6%)	206 (12.0%)	277 (16.3%)	161 (14.2%)	168 (13.6%)	162 (12.9%)	124 (12.0%)
Hospital Authority 醫院管理局	N.A.	N.A.	N.A.	N.A.	736 (42.5%)	932 (54.3%)	888 (52.3%)	578 (51.1%)	602 (48.6%)	608 (48.3%)	457 (44.1%)
Private 私營機構	104 (13.1%)	147 (17.5%)	193 (16.7%)	278 (21.8%)	456 (26.3%)	455 (26.5%)	453 (26.7%)	300 (26.5%)	362 (29.2%)	401 (31.8%)	372 (35.9%)
Others 其他 [‡]	390 (49.2%)	318 (37.9%)	460 (39.8%)	456 (35.7%)	321 (18.5%)	122 (7.1%)	80 (4.7%)	89 (7.9%)	106 (8.6%)	88 (7.0%)	84 (8.1%)
Unknown 不詳	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3 (0.3%)	1 (0.1%)	1	N.A.

Notes :
註釋:

* The figures of 1992, 1996 and 2000 refer to the number of medical laboratory technologists registered with the Medical Laboratory Technologists Board of Hong Kong as at the first of July of the respective years, whereas the figures of 2004, 2005, 2006 and 2007 refer to that as at the 31st of March of the respective years.

有關 1992、1996 及 2000 年數字指於 2000 年或之前在相關年份中 7 月 1 日已向香港醫務化驗師管理委員會註冊的醫務化驗師人數，而 2004 年、2005 年、2006 年及 2007 年的數字則指於相關年份 3 月 31 日已註冊的醫務化驗師人數。

[†] In 2004, 2005, 2006 and 2007, the sector refers to the sector of main job.

在 2004 年、2005 年、2006 及 2007 年統計調查中，所屬機構類型指主要職位所屬機構的類型。

[‡] Included academic and subvented sectors. Military was included in the 1987 HMS and 1996 HMS.
包括學術及資助機構。1987 年及 1996 年的統計調查包括軍事機構。

There may be slight discrepancy between the sum of individual items and the total due to rounding.
由於四捨五入關係，個別項目的數字加起來可能與總數略有出入。

N.A. Not applicable 不適用

‘-’ Not available 沒有相關數字