This analysis was based on the pre-determined criteria and measures listed below:

| Section | Description | Measures | | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Student Demand | Includes an assessment of OCAS (2007 - 2011) enrolment data at other colleges in terms of mean growth rate with a specific focus on Fleming's direct competitors where appropriate (Georgian, Sheridan, Seneca and Durham) Trends in certificate, diploma, degree, apprenticeship and continuing education (where available). | Strong = Fleming enrolment growth is outpacing system and is equal to or greater than 3% Moderate = Fleming enrolment growth is equivalent to system demand and is between 1.0 to 2.9% Weak = Fleming enrolment growth is less than the system demand and is less than 1% | | |
| | Click Below to Access Full Source Document: Fall Enrollment Trend | | | |
| Labour Market | Includes projected employment rate growth based on a consolidation of various Ontario, Canadian, and US sources including HRSDC, Sector Council Reports US Bureau of Labour Statistics, and the MTCU Employment Profile. | Strong = Between 5-6 positive labour market indicators Moderate = Between 3-5 positive labour market indicators Weak = Between 1-2 or no positive labour market indicators | | |
| Competitive Analysis | Includes the number of actual colleges offering the program as well as the ratio of applications to acceptances at Fleming compared to other colleges and specific comment about Fleming's direct competitors where appropriate (Georgian, Sheridan, Seneca and Durham) Click Below to Access Full Source | Strong = Fleming conversion ratio is greater than 2 below the system Moderate = Fleming conversion ratio is 1 above, below or equal to the system Weak = Fleming conversion ratio is greater than 2 above than the system | | |
| | Document: Fall Conversion Report | | | |
| Financial Analysis | Includes a review of Contribution to Overhead (CTO) for existing programs (2010-11) Click Below to Access Full Source Document: Costing Analysis | Strong = CTO is greater than 35% Moderate = CTO is between 30 - 34% Weak = CTO is between 20 - 30% No Contribution = 19% or less | | |
| | | | | |

| Key Performance Indicators | Includes KPI trends from the Key Performance Indicator Summary 5 Year Historical Overview KPI Data from Reporting Years 2008-2012. Click Below to Access Full Source Document: Key Performance Indicators | Strong = Above system average in 6-7 indicators Moderate = Above system average in 3-5 indicators Weak = Above system average in 0-2 indicators. |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resource Analysis | Requires school level assessment regarding space, technology, capital equipment and human resources. Recommendations from recent Program Review Reports included here | |

Health Information Management (51643)

| Student Demand ¹ | • WEAK |
|-----------------------------|--------|
|-----------------------------|--------|

The following information consists of OCAS yearly student fall registration data as well as a mean growth rate and average student registration for each program under these categories:

Diploma

- Currently, 3 colleges offer this diploma program, asCambrian suspended their program in 2010
- George Brown has the highest mean growth rate (5%) and average registration (54 students) while Fleming has the lowest mean growth rate (-8%), which is lower that of the system's (0%)
- Fleming's average registration is **27 students**, the lowest among the three schools offering this program

Graduate Certificate

Conestoga is the only school to offer a graduate certificate program, which has recovered from a -60% change in registrations in 2010, raising the mean growth rate to 17%, with an average registration of 8 students

Diploma

| Program: 51643 - HEALTH RECORDS ADMINISTRATION | | | | | | | | | | | | | | |
|------------------------------------------------|------|----|---------------------|------|------|---------------------|------|------|---------------------|------|------|---------------------|-------------------------------------|---------------------------------------|
| | 2007 | | % Change (07-08) | 2008 | 2009 | % Change (08-09) | 2009 | 2010 | % Change (09-10) | 2010 | 2011 | % Change (10-11) | % Mean Growth Rate (07-11) | 5 Year Average Reg. Students |
| CAMBRIAN | 21 | 19 | -10 | 19 | 7 | -63 | 7 | | | | | | -36 | 16 |
| FLEMING | 33 | 24 | -27 | 24 | 30 | 25 | 30 | 28 | -7 | 28 | 21 | -25 | -8 | 27 |
| GEORGE BROWN | 43 | 49 | 14 | 49 | 66 | 35 | 66 | 62 | -6 | 62 | 48 | -23 | 5 | 54 |
| ST. LAWRENCE | 19 | | | | 36 | | 36 | 33 | -8 | 33 | 31 | -6 | -7 | 30 |
| Total | 116 | 92 | -21 | 92 | 139 | 51 | 139 | 123 | -12 | 123 | 100 | -19 | 0 | 114 |

¹ Registration data obtained from the Program Counts by Applicant Type Report (RPT0050P) in the OCAS Reporting and Analytics Cube December 7, 2011. Some programs/colleges may not be included because they were missing MCU codes in the OCAS dataset Prepared by Fleming Data Research (07-2012)

Graduate Certificate

| Program: 71643 - HEALTH RECORDS TECHNICIAN - ADVANCED | | | | | | | | | | | |
|-------------------------------------------------------|-------------------------------|-----------|---------------------|------|---|---------------------|------|------|---------------------|-------------------------------------|---------------------------------------|
| | % Change 2007 2008 (07-08) | 2008 2009 | % Change (08-09) | 2009 | | % Change (09-10) | 2010 | 2011 | % Change (10-11) | % Mean Growth Rate (07-11) | 5 Year Average Reg. Students |
| CONESTOGA | 9 | 9 10 | 11 | 10 | 4 | -60 | 4 | 8 | 100 | 17 | 8 |
| Total | 9 | 9 10 | 11 | 10 | 4 | -60 | 4 | 8 | 100 | 17 | 8 |

| Labour Market | • STRONG |
|---------------|----------|
|---------------|----------|

Employment Ontario

Not Available

HRSDC²

Records Management and Filing Clerk (NOC - 1413)

- Job Openings (2011/2020): 75,487
- Job Seekers(2011/2020): **78,413**
- Post-Secondary Education Graduates: 79,640 (102%)
- "Based on projections and considering the recent surplus of workers, this occupation should continue to experience a surplus of workers over the 2011-2020 period. In other words, job seekers will outnumber job openings. These job openings will result entirely from replacement needs mainly due to retirement. Although the decline in employment is expected to stop, employment is expected to grow only very slightly over the next few years. The retirement rate will be slightly higher than the average for all occupations (close to 3% of workers retiring each year) because workers in this occupation are younger than in other occupations. With regard to labour supply, the majority of job seekers will come directly from the school system, although immigration will account for close to 25% of job seekers. However, given the limited employment opportunities and the relatively low wages, many workers will leave this occupation over the next few years, primarily for other clerical or administrative occupations, which will result in additional replacement needs."

²"Clerical Occupations, General Office Skills (141)." *Human Resources and Skills Development Canada*.N.p., n.d. Web. 31 July 2012. ">http://www23.hrsdc.gc.ca/occupationsummarydetail.jsp?&tid=24>.

US Bureau of Labour³

Medical Records and Health Information Technicians (SOC - 29-2071)

- Employment Growth (2010/2020): Increase 21%
 - **179,500**(2010) to **217,300**(2020)
- "Employment of medical records and health information technicians is expected to increase by 21 percent from 2010 to 2020, faster than the average for all occupations. The demand for health services is expected to increase as the population ages. An aging population will need more medical tests, treatments, and procedures. This will also mean more claims for reimbursement from private and public insurance. Additional records, coupled with widespread use of electronic health records by all types of healthcare providers, should lead to an increased need for technicians to organize and manage the associated information in all areas of the healthcare industry."
- "Cancer registrars are expected to continue to be in high demand. As the population ages, there will likely be more types of special purpose registries because many more types of illnesses are detected and treated later in life."
- "Prospects will be best for those with a certification in health information. As EHR systems continue to become more common, technicians with computer skills will be needed to use them."

Sector Council Report⁴

According to the Canadian Health Information Management Association's *Health Informatics and Health Information Management: Human Resources Report 2009 – 2014* report:

- "It is estimated that there are currently around 32,540 HI &HIM professionals working in the public sector and the private sector"
- "Depending on the EHIS investment scenario, overall employment of these professionals will increase over the next five years by 2,480 persons to 8,490 persons"
- "In addition to this employment growth, there will be a need to replace approximately 3,840 persons who will retire from the labour force"
- "These estimates imply a five-year hiring requirement ranging from 19.4% of the estimated 2009 employment to 37.9%"
- "Survey data indicate that the vacancy rate currently exceeds 10% in six of the 27 occupational groups"

³Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2012-13 Edition, Medical Records and Health Information Technicians, Web.http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technicians.htm (July 17, 2012).

⁴"Health Informatics and Health Information Management Human Resources Report." *Canadian Health Information Management Association*.N.p., Nov. 2009. Web. 18 July 2012. https://www.echima.ca/media/documents/HIHIM_report_E_web.pdf>.

• "By 2014 the number of HI & HIM professionals who will require broader skills will increase from 8,880 in 2009 to between 13,690 and 32,170. It is likely that these professional development requirements will exceed the resources that are currently available to professional associations"

Figure No. S-1

Current and Projected Employment of HI & HIM Professionals, 2009–2014 Prism Economics and Analysis

| | Estimated | Employment Forecast: 2014 | | | | | | | |
|----------------------------------------------------------------|--------------------|---------------------------|--------------------|-------------|--|--|--|--|--|
| | Employment 2009 | Low Growth | Moderate Growth | High Growth | | | | | |
| HI & HIM Employment | | · | - - | · | | | | | |
| Total: All HI & HIM Occupation Groups | 32,540 | 35,020 | 37,200 | 41,030 | | | | | |
| Five Year Increase in Employment | 2,480 | 4,660 | 8,490 | | | | | | |
| Five Year Percentage Increase in I | mployment | 7.6% | 14.3% 26.1% | | | | | | |
| Five-Year Replacement Demand | | | | | | | | | |
| Replacement Rate | | 11.8% | | | | | | | |
| Replacement Requirement | | 3,840 | | | | | | | |
| | | | | | | | | | |
| Five Year Hiring Requirement (Employment Growth + Replacement) | | | | | | | | | |
| Hiring Requirement | 6,320 | 12,330 | | | | | | | |
| Hiring Requirement as percent of | 2009 Employment | 19.4% | 26.1% | 37.9% | | | | | |

Employment Profile⁵

In 2010-2011, **31.7%** of graduates were employed in a full time position which related to this program of study provincially

Office Administration – Health

| Total Graduates: | 680 | Total Graduates in Survey: | 485 | Response Rate: 🖝 | 71.3% | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------|-----|------------------|-------|--|--|
| 594 graduates were reported after the survey window had closed. While program information for these graduates has been included wherever possible, | | | | | | | |

these graduates are not included in survey results, such as response rates.

Programs in Office Administration - Health

| Programs | Duration | Total Grads | Total in Survey | Total in Labour Force | Colleges |
|---------------------------------------------------------------------------|--------------|----------------|--------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Dental Office Administration | l Year | 82 | 57 | 42 | Durham, George Brown, Niagara |
| Health Informatics Management – Bachelor Of Applied Health Sciences | 4 Years | 7 | 5 | 4 | Conestoga |
| Health Office Administration | 2 Years | 34 | 26 | 26 | Conestoga |
| Health Records Administration | 2 Years | 64 | 41 | 37 | Cambrian, George Brown, Sir Sandford Fleming |
| Health Records Technician — Advanced | Post Diploma | 7 | 6 | 6 | Conestoga |
| Office Administration - Medical | 2 Years | 486 | 350 | 313 | Centennial, Durham, Fanshawe, George Brown, Georgian, Lambton, Mohawk, Seneca, Sheridan, St. Clair, St. Lawrence |

Summary of Survey Data

| | Program Cluster | All Programs |
|----------------------------------|-----------------|--------------|
| Survey Population | 485 | 50,622 |
| Labour Force Participation | 88% | 74% |
| Employment Rate ^a | 76% | 83% |
| Employed Part-time ^a | 22% | 18% |
| Employed Full-time* | 54% | 65% |
| Average Annual Earnings - Total | \$30,159 | \$33,199 |
| Average Annual Earnings – Female | \$29,981 | \$31,897 |
| Average Annual Earnings – Male | \$37,018 | \$34,607 |
| Graduate Satisfaction | 71% | 79% |
| Employer Satisfaction | 96% | 93% |

a. As a percentage of graduates in the labour force.

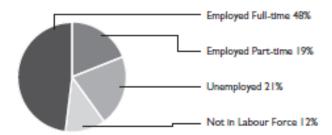
166 Employment Profile: 2009-2010 Graduates

⁵"Employment Profile." Ontario. N.p., 2011. Web. 19 July 2012.

<http://www.tcu.gov.on.ca/pepg/audiences/colleges/serials/eprofile09-10/profile10.pdf>.

Office Administration – Health

Graduate Outcomes for Program Cluster (as a percentage of all respondents)



Top Five Industries of Employment

| | # | % |
|------------------------------------------|-----|-------|
| Ambulatory Health Care Services | 102 | 33.3% |
| Hospitals | 69 | 22.5% |
| Food Services and Drinking Places | 18 | 5.9% |
| Educational Services | 14 | 4.6% |
| Clothing and Clothing Accessories Stores | H | 3.6% |

Top Five Occupational Categories

| # | % |
|----|-------|
| 50 | 16.2% |
| 36 | 11.7% |
| 25 | 8.1% |
| 24 | 7.8% |
| 21 | 6.8% |
| | 36 |

* Administrative Clerks; Retail Salespersons and Sales Clerks

Employment Profile: 2009-2010 Graduates 167

Office Administration - Health

Summary of Graduate Outcomes by Program

| | Full-1 Emple Program | oyed, | Emp | -time loyed, Unrelated | Part- Empl Program | oyed, | Emp | -time loyed, Unrelated | Unen | nployed | | t in r Force |
|-----------------------------------------|----------------------------|-------|-----|------------------------------|--------------------------|-------|-----|------------------------------|------|---------|----|-----------------|
| | # | * | # | * | # | * | | * | # | * | | X |
| Dental Office Administration | n 15 | 26.3 | 12 | 21.1 | 2 | 3.5 | 2 | 3.5 | 11 | 19.3 | 15 | 26.3 |
| Health Office Administration | 1 15 | 57.7 | 3 | 115 | 3 | 11.5 | 2 | 7.7 | 3 | 11.5 | - | - |
| Health Records Administration | 13 | 31.7 | 7 | 17.1 | 5 | 122 | 1 | 2.4 | н | 26.8 | 4 | 9.8 |
| Health Records Technician — Advanced | 3 | 50.0 | - | - | - | - | 1 | 16.7 | 2 | 33.3 | - | - |
| Office Administration – Medical | 121 | 34.6 | 41 | 11.7 | 45 | 12.9 | 32 | 9.1 | 74 | 21.1 | 37 | 10.6 |
| All Programs in Cluster* | 167 | 34.8 | 63 | 13.1 | 55 | 11.5 | 38 | 7.9 | 101 | 21.0 | 56 | 11.7 |

* Does not include 1 program with fewer than 5 graduates in the labour force.

Earnings of Full-time Employed Participants

| Program | Average – Females | Average - Males | Median – Females | Median - Males | Average for Program | Median for Program |
|-----------------------------------------|----------------------|--------------------|---------------------|-------------------|------------------------|-----------------------|
| Dental Office Administration | \$28,275 | - | \$27,375 | - | \$28,275 | \$27,375 |
| Health Office Administration | \$33,141 | - | \$33,632 | - | \$33,141 | \$33,632 |
| Health Records Administration | \$33,258 | - | \$33,014 | - | \$34,575 | \$35,457 |
| Health Records Technician – Advanced | - | - | - | - | - | - |
| Office Administration - Medical | \$29,480 | - | \$29,200 | - | \$29,535 | \$29,200 |
| All Programs in Cluster* | \$29,981 | \$37,018 | \$29,200 | \$43,917 | \$30,159 | \$29,200 |

* Does not include 1 program with fewer than 5 graduates in the labour force.

Working in Canada⁶

Records Management and Filing Clerk (NOC - 1413)

• Ontario Rating: Not Available

Wage Range by Region:

| Location | Wage (\$ | j/hr) | |
|----------------------------------|----------|--------|-------|
| | Low | Median | High |
| Ontario | 10.25 | 19.23 | 27.00 |
| HamiltonNiagara Peninsula Region | 10.50 | 19.23 | 25.00 |
| Kingston - Pembroke Region | 10.25 | 19.23 | 27.00 |
| KitchenerWaterlooBarrie Region | 10.25 | 19.23 | 27.00 |
| London Region | 10.25 | 19.23 | 27.00 |
| Muskoka-Kawarthas Region | N/A | N/A | N/A |
| Northeast Region | 10.25 | 19.23 | 27.00 |
| Northwest Region | 10.25 | 19.23 | 27.00 |
| Ottawa Region | 13.50 | 21.03 | 28.21 |
| StratfordBruce Peninsula Region | 10.25 | 19.23 | 27.00 |
| Toronto Region | 10.25 | 17.95 | 31.87 |
| Windsor-Sarnia Region | 10.25 | 19.23 | 27.00 |

⁶"Records Management and Filing Clerks (NOC 1413)."*Working in Canada*.N.p., n.d. Web. 31 July 2012. http://www.workingincanada.gc.ca/report-

eng.do?lang=eng&noc=1413&area=8792&titleKeyword=health+records+technician@ionKeyword=Peterborough,+Ontario&source=0&action=final''

| Competitive Analysis ⁷ • STRONG |
|--------------------------------------------|
|--------------------------------------------|

The following information consists of OCAS yearly fall application and registration data as well as a conversion ratio for each program under this category:

Diploma

- Fleming's conversion ratio in 2011 (4:1) was above that of the system's (6:1), and has been above the system's throughout the past five years
- George Brown had the lowest conversion ratio in 2011 of 7:1

Graduate Certificate

• Conestoga's conversion ratio in 2011 was average with 7:1

Diploma

| | Program: 5164 | 13 - HE | ALTH | | S AD | MINIS | TRATION | | | | | | | | | |
|---|---------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|-----|--------------|-----|---------------------|-----|----------------|---------------------|
| | | App. 2007 | Reg. 2007 | Conversion Ratio | App. 2008 | Reg. 2008 | Conversion Ratio | App. 2009 | Reg. 2009 | | App. 2010 | | Conversion Ratio | | Reg. (2011 | Conversion Ratio |
| | CAMBRIAN | 90 | 21 | 4:1 | 106 | 19 | 6:1 | 53 | 7 | 8:1 | 23 | | | 0 | | |
| • | FLEMING | 102 | 33 | 3:1 | 86 | 24 | 4:1 | 92 | 30 | 3:1 | 89 | 28 | 3:1 | 86 | 21 | 4:1 |
| | GEORGE BROWN | 244 | 43 | 6:1 | 233 | 49 | 5:1 | 288 | 66 | 4:1 | 286 | 62 | 5:1 | 348 | 48 | 7:1 |
| | ST. LAWRENCE | 90 | 19 | 5:1 | 14 | | | 101 | 36 | 3:1 | 94 | 33 | 3:1 | 119 | 31 | 4:1 |
| | Total | 526 | 116 | 5:1 | 439 | 92 | 5:1 | 534 | 139 | 4:1 | 492 | 123 | 4:1 | 553 | 100 | <u>6:1</u> |

Graduate Certificate

| Program: 71643 - HEALTH RECORDS TECHNICIAN - ADVANCED | | | | | | | | | | | | | |
|-------------------------------------------------------|-----------------------------------------|--------------|---|---------------------|--------------|--------------|-----|--------------|---|---------------------|----|--------------|---------------------|
| | App. Reg. Conversion 2007 2007 Ratio | App. 2008 | | Conversion Ratio | App. 2009 | Reg. 2009 | | App. 2010 | | Conversion Ratio | | Reg. 2011 | Conversion Ratio |
| CONESTOGA | 0 | 17 | 9 | 2:1 | 49 | 10 | 5:1 | 63 | 4 | 16:1 | 52 | 8 | 7:1 |
| Total | 0 | 17 | 9 | 2:1 | 49 | 10 | 5:1 | 63 | 4 | 16:1 | 52 | 8 | 7:1 |

⁷ Application data obtained from OCAS College Count Cube October 19, 2011 Registration data obtained from the Program Counts by Applicant Type Report (RPT0050P) in the OCAS Reporting and Analytics Cube December 7, 2011. Some programs/colleges may not be included because they were missing MCU codes in the OCAS dataset Prepared by Fleming Data Research (07-2012)

Financial Analysis

NO CONTRIBUTION

Source: Program Costing Analysis 2010/2011

- Contribution to Overhead: -14.5%
- Program Weight: 1.10
- Funding Unit: 1.90

| Key Performance Indicators • MODE | RATE |
|-----------------------------------|------|
|-----------------------------------|------|

Source: Key Performance Indicator Summary 5 Year Historical Overview KPI Data from Reporting Years 2008-2012

| KPI1-Graduation Rate | -5% below system | | | | | |
|-------------------------------------|-------------------|--|--|--|--|--|
| KPI2-Working | +1% above system | | | | | |
| KPI3-Working Related | -2% below system | | | | | |
| KPI4-Grad. Satisfaction | +10% above system | | | | | |
| KPI8-Student Satisfaction-Learning | +3% above system | | | | | |
| KPI9-Student Satisfaction- Teachers | +1% above system | | | | | |
| KPI11-Grad. Satisfaction-Program | +10% above system | | | | | |

Resource Analysis

Equipment

Staffing

Space

Appendix

The following is the original environmental scan conducted by the Library Researchers to form the basis of the previous summary of Key Research Findings Report.

NOTES:

- As this is a relatively new occupation, this NOC group was created during the 2011 NOC revision.
- Labour market data is not available within the WorkingInCanada.gc.ca website as it uses the NOC 2006 classification system.

The closest NOC groups are:

1413: Records Management and Filing Clerks

- health records technician, medical records clerk
- 1211: Supervisors, General Office and Administrative Support Clerks
 - medical records supervisor, medical records technicians supervisor, medical records unit supervisor

0114: Other Administrative Services Managers

• medical records department manager, medical records manager

Overview of the Profession:

NOC: 1252 – Health Information Management Occupations

http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/ProfileKeyword.aspx?val=1&val1=1252&val11=health +information&val12=0&val13=0&val14=&val15=0&val16=0

Health information management technicians and related workers perform some or all of the following duties:

- Classify and code diseases according to an established classification system
- Collect, code, cross-reference and store health records and related information
- Abstract, assemble and analyze clinical data and related demographic information from health records according to established policies and procedures
- Operate information systems to maintain indexes for classification systems and to manage and retrieve health records information
- Prepare medical, social and administrative statistics
- May supervise other health information management technicians and related workers.

Common Job Titles

- classifier, health records
- health information management coder
- health information management practitioner
- health information management professional
- health information management supervisor
- health information management technician
- health records classifier

- health records management coder
- health records management supervisor
- health records technician
- medical records supervisor
- medical records technician
- medical records technicians supervisor
- medical records unit supervisor
- supervisor, medical records technicians
- supervisor, medical records unit
- technician, medical records

Typical Employers

- hospitals
- clinics
- workplace health and safety boards
- health record consulting firms
- other health care establishments

Labour Market:

CHIMA: Canadian Health Information Management Association

Health Informatics and Health Information Management: Human Resources Report 2009 - 2014 https://www.echima.ca/media/documents/HIHIM report E web.pdf

- It is estimated that there are currently around 32,540 HI & HIM professionals working in the public sector and the private sector.
- Depending on the EHIS investment scenario, overall employment of these professionals will increase over the next five years by 2,480 persons to 8,490 persons.
- In addition to this employment growth, there will be a need to replace approximately 3,840 persons who will retire from the labour force.
- These estimates imply a five-year hiring requirement ranging from 19.4% of the estimated 2009 employment to 37.9%.
- Survey data indicate that the vacancy rate currently exceeds 10% in six of the 27 occupational groups.
- By 2014 the number of HI & HIM professionals who will require broader skills will increase from 8,880 in 2009 to between 13,690 and 32,170. It is likely that these professional development requirements will exceed the resources that are currently available to professional associations.

Figure No. S-1

Current and Projected Employment of HI & HIM Professionals, 2009-2014 Prism Economics and Analysis

| | Estimated | Emp | loyment Forecast: : | 2014 | | | | |
|------------------------------------------|--------------------|------------|---------------------|-------------|--|--|--|--|
| | Employment 2009 | Low Growth | Moderate Growth | High Growth | | | | |
| HI & HIM Employment | | | | | | | | |
| Total: All HI & HIM Occupation Groups | 32,540 | 35,020 | 37,200 | 41,030 | | | | |
| Five Year Increase in Employment | · | 2,480 | 4,660 8,490 | | | | | |
| Five Year Percentage Increase in E | mployment | 7.6% | 14.3% 26.1% | | | | | |
| Five-Year Replacement Demand | | | | | | | | |
| Replacement Rate | | | 11.8% | | | | | |
| Replacement Requirement | | 3,840 | | | | | | |
| | | | | | | | | |
| Five Year Hiring Requirement (Employ | ment Growth + Repl | acement) | | | | | | |
| Hiring Requirement | | 6,320 | 8,500 | 12,330 | | | | |
| Hiring Requirement as percent of | 2009 Employment | 19.4% | 26.1% | 37.9% | | | | |

Figure No. S-2

Current and Projected Employment of HI & HIM Professionals and Estimated Proportion that will require Broader Skills as a Result of the Adoption of EHIS Technologies, 2009-2014 Dulana Essensian and Analy

2014

| Frism Economics and Analysis | | |
|------------------------------|------|--|
| | | |
| | 0000 | |

| | 2009 | Low Growth | Moderate Growth | High Growth | | | |
|---------------------------------------------------------|--------|------------|--------------------|-------------|--|--|--|
| Total HI & HIM Employment | 32,540 | 35,020 | 37,200 | 41,030 | | | |
| Skill Broadening Requirement | 8,880 | 13,690 | 21,800 | 32,170 | | | |
| Skill Broadening as a Percent of HI & HIM Employment | 27.3% | 39.1% | 58.6% | 78.4% | | | |

US Bureau of Labour

http://www.bls.gov/ooh/Healthcare/Medical-records-and-health-information-technicians.htm#tab-6 Job Outlook

Employment of medical records and health information technicians is expected to increase by 21 percent from 2010 to 2020, faster than the average for all occupations. The demand for health services is expected to increase as the population ages. An aging population will need more medical tests, treatments, and procedures. This will also mean more claims for reimbursement from private and public insurance. Additional records, coupled with widespread use of electronic health records by all types of healthcare providers, should lead to an increased need for technicians to organize and manage the associated information in all areas of the healthcare industry.

Cancer registrars are expected to continue to be in high demand. As the population ages, there will likely be more types of special purpose registries because many more types of illnesses are detected and treated later in life.

Job Prospects

Prospects will be best for those with a certification in health information. As EHR systems continue to become more common, technicians with computer skills will be needed to use them.

Industry Standards:

Upon graduation from a CHIMA-recognized HIM program, graduates may challenge the national certification examination to be awarded the certificant level designation of CHIM. There is one level of certification examination in Canada. The examination measures the entry-level competencies of HIM professionals.

All successful candidates receive a certificate of registration in the Canadian College of Health Information Management and are eligible to use the CHIM credential. <u>https://www.echima.ca/national-certification-exam</u>

Professional Associations:

CHIMA: Canadian Health Information Management Association COACH: Canada's Health Informatics Association

• <u>Career FACT SHEET</u> Overview of the various career levels within Health Information

<u>ITAC – Health: Information: Information Technology Association of Canada – Health Sector</u> <u>CIHI: Canadian Institution for Health Management</u>

Employment Requirements

- Health information management technicians and related workers require completion of a recognized two year college diploma program in health record technology or health information management.
- Health information management technicians and related workers are eligible to write the Canadian Health Information Management Association national certification examination which may be required by employers.

Educational Competitors

Individual Community College/Institute Information (Click on Program Title to view college program page) 2 Ontario Colleges currently offer this Diploma Program (excluding Fleming)

George Brown

Health Information Management Diploma, 4 semesters

- focuses on providing the skills and knowledge needed by health information practitioners
- prepares the graduate to participate in the collection and organization of health information

St. Lawrence

Health Information Management Diploma, 45 weeks

• up to 252 hours of practicum experience through the year

| APS # | MTCU Code | Approved Program Name | Program Weight | Funding Unit | Degree Factor | Institution |
|-------|--------------|-----------------------|-------------------|-----------------|------------------|-------------|
|-------|--------------|-----------------------|-------------------|-----------------|------------------|-------------|

| 1135 | 51643 | Health Information Management | 1.10 | 1.90 | 2.00 | George Brown |
|------|-------|-------------------------------|------|------|------|--------------|
| 1178 | 51643 | Health Information Management | 1.10 | 1.90 | 2.00 | St. Lawrence |
| 1207 | 51643 | Health Information Management | 1.10 | 1.90 | 2.00 | Fleming |

Employment Postings:

Source: COACH

Posting ID:1abc1d01-a6b9-41d5-87c9-874cbeb61140Date Posted:Thursday, January 19, 2012Organization:Ontario Shores Centre for Mental Health ServicesPosition Title:Clinical Informatics Analyst, Clinical Informatics

Clinical Informatics Analyst, Clinical Informatics

Temporary full-time position until March 30, 2013

WHO WE ARE:

Ontario Shores Centre for Mental Health Sciences (Ontario Shores) is a public hospital that provides inpatient, outpatient and consultation services for people with complex mental illness. Our patients benefit from a recovery-oriented environment of care built on compassion, inspiration and hope. We engage in research, education and advocacy initiatives to advance the mental health care system and are proud to work with partners across the continuum of care. If you thrive on innovation and positive change, and share our vision of Recovering Best Health, Nurturing Hope and Inspiring Discovery, Ontario Shores is the place for you.

POSITION DESCRIPTION:

As a member of the Professional Practice team, the Clinical Informatics Analyst collects, assesses and analyzes user requirements, departmental and/or hospital work flow, and supports process design by using a variety of methodical processes and tools, to ensure systems meet the needs of the clinicians and staff.

The Clinical Informatics Analyst facilitates the design, build and maintenance of clinical content within the various organizational Electronic Health Record (EHR) applications. In this role the Clinical Informatics Analyst acts as the translator for the needs of the patient/clinicians/organization in the utilization of the EHR. The Clinical Informatics Analyst is integral in the testing, monitoring and auditing of system functionality and human interface usage, as well as researching/designing/building screens and links that enable clinical decision support integration into clinical workflow at the point of care.

With your clinical/health care background, you will assist in implementing clinical error prevention strategies and actively participate in the development, prioritization and determination of clinical decision support systems. Throughout the project lifecycle, you will identify the need for and prioritizes reports required for patient safety, outcomes and workflow efficiencies.

You will work collaboratively with other team members to identify new policies and procedures required to support the Clinical Informatics initiatives.

QUALIFICATIONS REQUIRED & PREFERRED:

- 1. Registered member of a regulated health professional college required.
- 2. Minimum of three years clinical experience in a mental health practice environment.
- 3. Excellent communication skills.
- 4. Experience in workflow and process redesign an asset.
- 5. Strong project management and change management skills.
- 6. Demonstrates success teaching and supporting clinicians in the use of electronic clinical applications.
- 7. Proven good attendance record with capabilities of maintaining this same standard.
- 8. Able to function well within a team setting and independently.
- 9. Well developed analytical, problem-solving and organizational skills.

10. Computer literate, including solid working knowledge of Microsoft Outlook, Word, Excel, Access, Project, PowerPoint, and Meditech.

| Title: | Clinical Informatics Analyst | | |
|----------------|------------------------------|--|--|
| Competition #: | 3-12 | | |
| Posting Date: | January 12, 2012 | | |
| Closing Date: | January 20, 2012 | | |

Please forward your resume to

Ontario Shores Centre for Mental Health Services Human Resources Department - Competition # 3-12 700 Gordon Street, Whitby, On L1N 5S9 fax 905-430-4036; email <u>hr@ontarioshores.ca</u>

Personal information you provide to Ontario Shores Centre for Mental Health Sciences (Ontario Shores) is collected pursuant to the Public Hospitals Act R.S.O 1990, c. P.40. It will be used for the purpose of determining eligibility for employment. At all times it will be treated in accordance with the provisions of the Freedom of Information and Protection of Privacy Act. If you have questions about the collection of your personal information, please refer to the Privacy & Access pages on the Ontario Shores website or contact the Leader, Privacy & Access at 700 Gordon St. Whitby, ON L1N 559; 905-430-4055 ext. 6712.

Source: http://www.saskjobs.ca/jsp/joborder/detail.jsp?job order id=417264

Health Records Clerk

Job Order #: 5206955 Employer Name: Sun Country Health Region Wage/Salary Info: \$17.27-\$18.49/hour Posted Date: 08-May-2012 Location: ESTEVAN # of Positions: 1 Employment Terms: Temporary:F-T Length of Employment: Posting #12-171

Education: Technical/Applied Science Certificate Experience: No Experience How to Apply?: Fax, email, mail or phone **Description** Job Location: St. Joseph's Hospital

Hours of Work: 112 hours per 3 week rotation.

Start Date: as soon as possible

Closing Date: When filled

Qualifications:

- -Office Education Certificate
- Basic medical terminology
- Basic computer skills .
- Communication, organizational and interpersonal skills.

Comments: Please include a copy of your resume, office education certificate and transcripts when applying for the above noted classification.

Re-posted: Open until filled.

Conditional Hire: If no qualified applicants with basic Medical Terminology; must be completed within 6 months of start date.

Applications must be received in Human Resources by 4:30 PM on closing date. Part-time hours of work may be reduced during the rotation stipulated when a statutory or designated holiday is recognized during that period. Relief hours of work; no guaranteed hours and must be available all shifts, short shifts, weekends, short notice calls, stats and holidays. Preference for this position will be given to Canadian Union of Public Employees members in accordance with the terms and conditions of the Saskatchewan Association of Health Organizations and Canadian Union of Public Employees Collective Agreement. Rotations are subject to change. Contact the facility for information on job description or shift schedules.

Only the interviewed and selected applicants will be contacted.