

# Maryland Department of Health and Mental Hygiene 201 W. Preston Street • Baltimore, Maryland 21201

Martin O'Malley, Governor - Anthony G. Brown, Lt. Governor - Joshua M. Sharfstein, M.D., Secretary

DEC 1 2 2011

The Honorable Thomas V. Mike Miller, Jr. President of the Senate State House, H-107 Annapolis, MD 21401–1991

The Honorable Michael E. Busch Speaker of the House of Delegates State House, H-101 Annapolis, MD 21401-1991

RE:

HG §19-308 (b)(4) - The Office of Health Care Quality's annual work plan including an analysis of existing staffing levels, current priorities, and labor-hour data analysis for survey activity

Dear President Miller and Speaker Busch:

Pursuant to Health-General Article 19-308(b)(4), the Office of Health Care Quality, the agency within the Department of Health and Mental Hygiene responsible for monitoring the quality of care in Maryland health care facilities and community residential programs, respectfully submits this report on the analysis of existing staffing levels, current priorities, and labor-hour analysis for survey activity and survey activities for FY 2011.

I hope this information is useful. If you have questions regarding this report, please contact Ms. Marie Grant, Director of the Office of Government Affairs, at (410) 767-6481.

Sincerely

Joshua M. Sharfstein, M.D. Secretary

Enclosure

cc: The Honorable Edward J. Kasemeyer

The Honorable Norman H. Conway Patrick Dooley, Chief of Staff

Nancy Grimm, RN, JD, Director, Office of Health Care Quality

Marie Grant, Director, Office of Governmental Affairs

Sarah Albert, Department of Legislative Services, MSAR 5624



#### **DEPARTMENT OF HEALTH & MENTAL HYGIENE**

Martin O'Malley, Governor Anthony G. Brown, Lt. Governor Joshua M. Sharfstein, M.D., Secretary Nancy Grimm, RN, JD, Director

# Fiscal Year 2011 Annual Report & Staffing Analysis<sup>1</sup>



<sup>&</sup>lt;sup>1</sup> This report is submitted pursuant to Health-General Article §19-308 (b)(4).

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#### **Executive Summary**

This report is submitted pursuant to the Health General §19-308 (b)(4), which requires the Department to submit to the General Assembly a report on the inspection of health care facilities in the State. During the year, OHCQ continued to focus its limited resources on ensuring the safety and quality of health care services for Maryland citizens. The various units within OHCQ diligently carried out licensure actions and issued sanctions, when appropriate, while continuing outreach efforts to educate consumers, providers, advocates and stakeholders.

During the year, we conducted approximately 3,500 surveys and received and reviewed more than 9,000 complaints. Additionally, we revised the Residential Service Agencies, Assisted Living and Adult Medical Day Care regulations; designed a new assessment tool for Adult Medical Day Care participants, which was piloted successfully for three months and received positive feedback for the industry; cross-trained surveyors in the mental health and substance abuse units, resulting in greater efficiency; and established an emergency preparedness and environmental life safety program, which will allow OHCQ to be more effective in the management of environmental and fire safety surveys related to regulated facilities and to position the agency to better support the emergency preparedness mission of the Department.

OHCQ continues to be challenged to complete all statutorily mandated State surveys of health care facilities due to budgetary constraints. Our surveyor staffing deficit stands at 95.63 positions (See Table 22, page 22), up from 92.32 last year. The deficit is most noticeable in Long Term Care, Assisted Living, Ambulatory Care and Developmental Disabilities units.

We will persist in our endeavor to find efficient and cost-effective methods in which to protect the health and safety of Marylanders while ensuring there is public confidence in the health care and community service delivery systems in the State. It is my vision that OHCQ have sufficient staff and appropriately focused regulations to provide a basic regulatory safety net for all of our programs—in facilities, group homes and in-home health care services.

We appreciate the support of the Secretary, the Administration, members of the General Assembly, as well as all of our varied stakeholders as we progress toward this goal.

Respectfully,

Nancy Grimm

Director

#### Mission

OHCQ's mission is to protect the health and safety of Maryland's citizens and to ensure there is public confidence in the health care and community service delivery systems through regulatory, enforcement, and educational activities.

#### **Background**

Over the past several fiscal years, due to budgetary constraints and loss of positions, OHCQ has been unable to complete all statutorily mandated inspections and surveys of health care facilities. During the same period, OHCQ has experienced an increase in its workload as noted by the Labor-Hour Analysis (See Appendix A). An influx of new providers in community-based programs, such as residential service agencies, assisted living providers, and homes for individuals with developmental disabilities, increases the staffing challenge.

#### Mandates<sup>2</sup>

Today, OHCQ regulates some 13,000 facilities. Between 1996 and 2008, the Maryland General Assembly passed a variety of new laws and Centers for Medicare and Medicaid Services (CMS) added survey and certification survey requirements as well as increased the priority level for other programs including kidney dialysis centers, hospice, and ambulatory surgical centers.

Table 1 Mandated regulatory programs, 1996-2008

| Year | Program   |
|------|---|
| 1996 | Assisted Living   |
|      | Birthing Centers  |
|      | Major Medical Equipment   |
|      | Ambulatory Surgery Facilities   |
|      | Dialysis Centers  |
| 1998 | Organ and Tissue  |
|      | State Advisory Council on Organ and Tissue Donation Awareness                     |
| 1999 | Health Maintenance Organizations  |
| 2000 | Second Nursing Home Survey  |
|      | Nursing Home Complaints within 10 days  |
|      | Mortality Review – DD population  |
| 2001 | Mortality Review – MH population  |
| 2002 | Nurse Staff Agency  |
|      | State Advisory Council on Pain Management   |
| 2003 | Nurse Staff Registries (Nurse Referral Service Agencies)                          |
| 2004 | Patient Safety – Adverse Event Reporting  |
| 2005 | Freestanding Medical Facilities   |
| 2006 | Mortality and Quality Review Committee – Reportable Incidents of Injury           |
|      | Emergency Plans for Human Service Facilities                                      |
|      | Assisted Living Programs – Emergency Electrical Power Generator                   |
|      | Assisted Living Programs – Prohibited Acts, Penalties and Quality Account         |
|      | Assisted Living Program – Licensure   |
|      | Health Care Facilities and Laboratories – Accreditation Organizations and Deeming |

<sup>&</sup>lt;sup>2</sup> See Table 1 for an inventory of the survey and certification and State licensure requirements added since 1996.

| Year | Program   |  |  |
|------|---|--|--|
|      | Notification Requirements for Residential Treatment Centers               |  |  |
|      | Corporate Responsibility and Governance – Residential Child Care Programs |  |  |
| 2007 | Forensic Laboratories   |  |  |
| 2008 | Transplant Centers (Centers for Medicare and Medicaid Services)           |  |  |
|      | Operation of Nursing Homes – Licensure Regulations                        |  |  |

### The Office of Health Care Quality

#### FY 2011 Performance Standards

#### **Long-Term Care Unit**

The Long-Term Care unit ensures that legally established State licensure and Medicare and Medicaid standards are maintained for nursing homes through unannounced on-site surveys, follow-up visits and complaint investigations. These visits are conducted by Registered Nurses, Registered Dietitians, Registered Sanitarians, Life Safety Code Inspectors and the local life safety authority. Enforcement action is taken when appropriate to ensure compliance with State and federal regulations.

The unit also ensures that the Intermediate Care Facilities (ICF) for individuals with intellectual disabilities comply with all applicable federal, State and local laws and regulations. In order to maintain federal certification with CMS and licensure with the State, unannounced on-site surveys, follow-up visits, and complaint investigations are conducted by Registered Nurses, Registered Dieticians, Registered Sanitarians, Qualified Mental Retardation Professionals (QMRP), and Life Safety Code Inspectors. When appropriate, enforcement action(s) are taken to ensure compliance with State and federal regulations.

Finally, the unit ensures that the Forensic Residential Centers for individuals with intellectual disabilities comply with all applicable State and local laws and regulations through unannounced on-site surveys, follow-up visits, and complaint investigations. These visits are conducted by Registered Nurses, Registered Sanitarians, Registered Dietitians, QMRP and Life Safety Code Inspectors.

Table 2 Long-Term Care's Unit of Measurements Accomplishments, FY 2008-FY 2011

| Units of Measurements                                  | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|--|---------------------|---------------------|---------------------|---------------------|
| Nursing Homes  |                     |                     |                     |                     |
| Licensed Nursing<br>Homes                              | 233                 | 234                 | 234                 | 232                 |
| Initial Surveys of<br>New Providers                    | 0                   | 1                   | 2                   | 0                   |
| Full Surveys   | 221                 | 221                 | 203                 | 195                 |
| Follow up<br>Surveys                                   | 96                  | 59                  | 38                  | 29                  |
| Civil Monetary<br>Penalties Levied                     | 76                  | 67                  | 47                  | 37                  |
| Denial of<br>Payment – New<br>Admissions               | 6                   | 1                   | 0                   | 0                   |
| Complaints &<br>Facility Self<br>Reported<br>Incidents | 4862                | 4413                | 2827                | 2752                |

| Units of Measurements   | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|---|---------------------|---------------------|---------------------|---------------------|
| Quality of Care<br>Allegations  | 1265                | 951                 | 1312                | 430                 |
| Complaints/SRI<br>Investigated  | 3934                | 3136                | 2662                | 2579                |
| Resident Abuse<br>Allegations   | 1253                | 1162                | 950                 | 880                 |
| Intermediate Care Facilities for the Individuals with Intellectual Disabilities | 5                   | 4                   | 3                   | 2                   |
| Annual Surveys  | 5                   | 4                   | 3                   | 2                   |
| Follow up<br>Surveys  | 9                   | 4                   | 3                   | 2                   |
| Complaints and<br>Self-Reported<br>Incidents                                    | 123                 | 129                 | 78                  | 49                  |
| Complaints and<br>Self-Reported<br>Incidents<br>Investigated                    | 80                  | 98                  | 89                  | 60                  |

Table 3 FY 2011 Performance Measures – Long-Term Care Unit

| Priority or Performance Measure  | Result               |
|--|----------------------|
| Maintain an overall 12-month average for nursing home surveys.                           | Not Met <sup>3</sup> |
| Investigate any complaint of serious and immediate jeopardy within 2 working days.       | Met                  |
| Initiate an on-site investigation of any complaint of actual harm within 10-days.        | Not Met <sup>4</sup> |
| Investigate 90% of complaints alleging the potential of harm within 120 days of receipt. | Met                  |
| Maintain an overall 60 day average between health surveys and life safety code surveys.  | Met                  |

#### **Assisted Living Program Unit**

The Assisted Living unit is responsible for the licensure and regulation of all assisted living facilities in the state of Maryland. The unit monitors the quality of care for the residents living in these Assisted Living facilities and ensure regulatory compliance according to COMAR 10.07.14. In accordance with interagency agreements, the Assisted Living unit has delegated certain aspects of its monitoring and inspections to the Maryland Department of Aging, the Maryland Department of Veterans Affairs and local health departments. These departments conduct various types of survey inspections on behalf of OHCQ. The Assisted Living unit continues to conduct numerous complaint investigations generated by consumers and local

<sup>&</sup>lt;sup>3</sup> The overall average for conducting nursing home surveys was 13 months.

<sup>&</sup>lt;sup>4</sup> The average time for initiating an investigation of a complaint of actual harm was 33 days.

government agencies. Based on some of the findings from these inspections, facilities may face sanctions, fines and possible closure of the home. The Assisted Living unit remains aggressive in surveying and investigating allegations of non-compliance as well as abuse and neglect of residents in assisted living settings and enforcement of administrative actions when necessary. Additionally, the Assisted Living unit utilizes a "Training Team" of nurse surveyors to assess, monitor, evaluate and periodically provide the most relevant trainings needed/or requested by the assisted living community, stakeholders, and OHCQ staff.

Table 4 Assisted Living's Unit of Measurements Accomplishments, FY 2008-FY 2011

| Units of        | Fiscal Year | Fiscal Year | Fiscal Year | Fiscal Year |
|-----------------|-------------|-------------|-------------|-------------|
| Measurements    | 2008        | 2009        | 2010        | 2011        |
| Licensed        | 1388        | 1370        | 1367        | 1369        |
| Assisted Living |             |             |             |             |
| Programs        |             |             |             |             |
| Renewal         | 583         | 752         | 520         | 476         |
| Surveys         |             |             |             |             |
| Initial Surveys | 235         | 173         | 122         | 133         |
| Other Surveys 5 | 232         | 367         | 502         | 452         |
| Complaints      | 341         | 341         | 435         | 614         |
| Received        |             |             |             |             |
| Complaints      | 398         | 403         | 500         | 465         |
| Investigated    |             |             |             |             |

Table 5 FY 2011 Performance Measures - Assisted Living Unit

| Priority or Performance Measure  | Result               |
|--|----------------------|
| Investigate any complaint that alleges a serious and immediate jeopardy  | Met                  |
| within two working days.   |                      |
| Investigate any complaint of actual harm within 30 working days.         | Met                  |
| Complete 100% of the licensure surveys of assisted living programs for   | Not Met <sup>6</sup> |
| facilities with 17 or more beds.   |                      |
| Complete 100% of the licensure surveys for assisted living programs that | Not Met <sup>7</sup> |
| participate in the Medicaid Home and Community Based Services Waiver     |                      |
| for Older Adults.  |                      |

#### **Adult Medical Day Care Unit**

The Adult Medical Day Care unit ensures that legally established State licensure standards are maintained for Adult Medical Day (AMD) Care Centers for the Elderly and Medically Handicapped Adults. AMD provides this regulatory oversight via, unannounced on-site surveys (inclusive of initial, full/renewal surveys), follow-up visits and complaint investigations. These visits are conducted by Registered Nurses, Registered Sanitarians and Life Safety Code Inspectors and representatives of local health departments. Enforcement actions are taken when appropriate to ensure compliance with State regulations.

<sup>&</sup>lt;sup>5</sup> Include follow-up, bed increases and changes in levels of care.

<sup>&</sup>lt;sup>6</sup> Completed 61% of licensure surveys of assisted living programs for facilities with 17 or more beds.

<sup>&</sup>lt;sup>7</sup> Completed 77% of licensure surveys for assisted living programs that participate in the Medicaid Home and Community Based Services Waiver for Older Adults.

Table 6 Adult Medical Day Unit of Measurements Accomplishments, FY 2008-FY 2011

| Units of Measurements                  | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|--|---------------------|---------------------|---------------------|---------------------|
| Adult Medical Day Care Centers         | 144                 | 144                 | 144                 | 122                 |
| Initial Surveys<br>of New<br>Providers | 4                   | 4                   | 2                   | 1                   |
| Full Surveys                           | 19                  | 55                  | 71                  | 68                  |
| Follow up<br>Surveys                   | 4                   | 6                   | 4                   | 5                   |
| Complaint<br>Surveys                   | 40                  | 61                  | 30                  | 17                  |

Table 7 FY 2011 Performance Measures – Adult Medical Day Care Unit

| Priority or Performance Measure   | Result |
|---|--------|
| Complete 100% of the adult medical day care licensure surveys within 24 | Met    |
| to 30 months of the previous survey.                                    |        |

#### **Developmental Disabilities Licensure Unit**

The Developmental Disabilities Licensure unit is the licensing and monitoring agent for the Developmental Disabilities Administration (DDA). Through periodic surveys, the unit ensures regulatory compliance with community based providers operated for the benefit of individuals with developmental disabilities receiving services in the State. The community of providers for the developmentally disabled population in the State continues to grow to meet an expanding need for services. Those programs that include services offered to children that require oversight are coordinated with the Governor's Office for Children. In addition to regulatory compliance through licensing, the unit responds to approximately 3,500 self-reported incidents and public complaints concerning regulated safety, medical, rights and direct care issues of individuals receiving services and supports from community providers. The Investigations Unit triages and investigates incidents and complaints with a staff of professional nurses and program surveyors who conduct both on-site and internal inquiries.

The Mortality Investigation Unit completes on-site and internal investigations of reported deaths of individuals funded for community-based services through the Developmental Disabilities Administration to review and ensure the adequacy of care at the time of death. The unit receives notification of approximately 150 deaths per year.

Table 8 Developmental Disabilities' Units of Measurements Accomplishments, FY 2008-FY 2011

| Units of Measurements                         | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year 2011 |
|---|---------------------|---------------------|---------------------|------------------|
| Licensed<br>Agencies                          | 233                 | 216                 | 216                 | 204              |
| Number of Sites                               | 2715                | 2774                | 2772                | 3033             |
| New Agencies<br>Surveyed                      | 6                   | 5                   | 3                   | 13               |
| Agencies<br>Surveyed                          | 46                  | 48                  | 47                  | 51               |
| Sites Surveyed                                | 1393                | 1436                | 1142                | 829              |
| Follow up<br>surveys                          | 1                   | 7                   | 11                  | 2                |
| Complaints and<br>Self Reported<br>Incidences | 3007                | 2464                | 3140                | 3747             |
| No Further<br>Action Required                 | 2527                | 2056                | 2694                | 3484             |
| Conducted On-Site Investigation               | 406                 | 346                 | 341                 | 202              |
| Referred for investigation                    | 74                  | 62                  | 105                 | 40               |
| Mortality<br>Investigation<br>Unit            |                     |                     |                     |                  |
| Number of<br>Deaths                           | 354                 | 556                 | 240                 | 187              |
| Number of DD<br>Deaths                        | 148                 | 166                 | 151                 | 171              |
| Number of MH<br>Deaths                        | 206                 | 390                 | 89                  | 16               |
| Number of<br>Deaths<br>Investigated           | 182                 | 53                  | 27                  | 187              |

Table 9 FY 2011 Performance Measures - Developmental Disabilities Unit

| Priority or Performance Measure  | Result |
|--|--------|
| Conduct licensure surveys of 25% of the licensed providers and 27% of sites. | Met    |

#### Hospitals, HMOs, & Patient Safety Unit

The Hospitals, HMOs, and Patient Safety unit provides oversight for the regulation of acute care and specialty (i.e., psychiatric, chronic, special rehabilitation) hospitals, residential treatment centers, health maintenance organizations (HMOs), and hospitals within correctional facilities. Beginning in federal fiscal year 2009, the unit began surveying transplant centers in Maryland on behalf of CMS. Responsibilities of the unit include the investigation of complaints filed against these providers; the annual survey and revisit surveys of health maintenance organizations; hospitals within correctional facilities; federally mandated validation surveys and

complaint investigations of hospitals and residential treatment centers; investigation of all deaths that occur in State operated residential treatment centers and psychiatric hospitals; review of all self reported incidents that occur at these providers; investigation of complaints against HMOs; triennial surveys and revisit surveys of transplant programs; and, all associated activity required for licensure including on-site inspection and review of documentation from the providers, other governmental agencies, and external accreditation organizations.

The Patient Safety Unit receives mandated self-reports of serious adverse events that occur in Maryland hospitals. Hospitals submit a root cause analysis of these events to OHCQ for review to determine compliance with COMAR 10.07.06 Patient Safety Programs. The Division conducts reviews of hospital patient safety programs to determine compliance with these regulations. Information regarding trends, best practices, and lessons learned obtained from the review of these events are disseminated to hospitals via the Unit's Annual Report, as well as Clinical Alerts and/or Clinical Observations in an effort to improve patient safety.

Table 10 Hospitals, HMOs, and Patient Safety's Unit of Measurements Accomplishments, FY 2008-FY 2011

| Units of                | Fiscal Year | Fiscal Year | Fiscal Year | Fiscal Year |
|-------------------------|-------------|-------------|-------------|-------------|
| Measurements            | 2008        | 2009        | 2010        | 2011        |
| Licensed/Certified      | 69          | 69          | 67          | 66          |
| Hospitals               |             |             |             |             |
| Validation Surveys of   | 4           | 4           | 7           | 6           |
| The Joint Commission    |             |             |             |             |
| (TJC) accredited        |             |             |             |             |
| Hospitals               |             |             |             |             |
| Complaints Received     | 394         | 412         | 485         | 431         |
| Complaints              | 90          | 115         | 156         | 130         |
| Investigated On-Site    |             |             |             |             |
| Complaints Referred     | 278         | 264         | 248         | 251         |
| to Hospitals for        |             |             |             |             |
| Investigation           |             |             |             |             |
| Follow up Surveys       | 3           | 5           | 9           | 10          |
| Enforcement             | 2           | 5           | 9           | 7           |
| Remedies Imposed        |             |             |             |             |
| (Sanctions)             |             |             |             |             |
| Review of TJC Reports   | 28          | 14          | 19          | 30          |
| Adverse Event Reports   | 182         | 190         | 271         | 289         |
| Review Root Cause       | 193         | 205         | 250         | 316         |
| Analysis reports        |             |             |             |             |
| (Patient Safety)        |             |             |             |             |
| Follow up               | 0           | 7           | 5           | 7           |
| Investigations/Hospital |             |             |             |             |
| Patient Safety          |             |             |             |             |
| Surveys                 | -           | -           |             |             |
| Number of Health        | 7           | 7           | 6           | 6           |
| Maintenance             |             |             |             |             |
| Organizations           | 6           |             | 5           | 4           |
| Full Surveys            |             | 5           |             | 4           |
| Follow up Surveys       | 0           | 0           | 0           | 0           |

| Units of<br>Measurements   | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|--|---------------------|---------------------|---------------------|---------------------|
| Complaint<br>Investigations                                      | 13                  | 13                  | 4                   | 13                  |
| Residential Treatment<br>Centers                                 | 12                  | 11                  | 11                  | 11                  |
| Follow up Surveys  | 3                   | 0                   | 0                   | 0                   |
| Validation Surveys and<br>Seclusion & Restraint<br>Investigation | 1                   | 2                   | 2                   | 1                   |
| Complaints Received  | 45                  | 49                  | 37                  | 24                  |
| Complaint<br>Investigations                                      | 43                  | 38                  | 38                  | 25                  |
| Correctional Health Care Facilities                              | 11                  | 11                  | 11                  | 11                  |
| Full Surveys   | 11                  | 2                   | 0                   | 0                   |
| Follow up Surveys  | 0                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations                                      | 0                   | 2                   | 1                   | 2                   |
| Freestanding Medical Facilities                                  | 2                   | 2                   | 2                   | 2                   |
| Initial, Full and Follow up Surveys                              | 2                   | 2                   | 2                   | 2                   |
| Complaints   | 1                   | 0                   | 0                   | 7                   |
| Transplant Centers   | 2                   | 2                   | 2                   | 2                   |
| Full Surveys   | 0                   | 1                   | 1                   | 1                   |
| Complaint<br>Investigations                                      | 0                   | 2                   | 3                   | 3                   |

Table 11 FY 2011 Performance Measures - Hospitals, HMOs, and Patient Safety Unit

| Priority or Performance Measure   | Result                |
|---|-----------------------|
| Conduct a preliminary evaluation of 95% of hospital event reports and Root Cause Analysis (RCA) within 30 days.             | Not Met <sup>8</sup>  |
| Complete a review of all RCAs within 90 days.   | Met                   |
| Conduct annual reviews of patient safety programs in 15% of all licensed hospitals.   | Not Met <sup>9</sup>  |
| Complete 100% of alleged Emergency Medical Treatment and Labor Act (EMTALA) complaints within five working days of receipt. | Met                   |
| Complete 100% of all hospital validation surveys required by CMS within the timeframe requested by CMS.                     | Met                   |
| Investigate 90% of all complaint investigations requested by CMS within 45 calendar days.                                   | Met                   |
| Complete bi-annual inspections of eleven hospitals located within correctional facilities.                                  | Not Met <sup>10</sup> |

Conducted hospital event reports and ROOT Cause Analysis (RCA) within 30 days (86%).
 Conducted 7 surveys which accounts for 10% of all licensed hospitals.
 Bi-annual inspections of eleven hospitals located in correctional facilities were not done due to staffing issues; planned for FY 2012.

#### **Clinical Laboratory Licensing and Certification Unit**

The Clinical Laboratory Licensing and Certification unit is responsible for State licensure of all laboratories that perform tests on specimens obtained from Maryland citizens and for federal certification of all laboratories located in Maryland. The State and federal licensing programs include those for tissue banks, blood banks, and hospitals, independent reference, physician office and point-of-care laboratories, public cholesterol test (Health Awareness) screening, employment related toxicology testing for controlled dangerous substances and Public Health Testing Programs that offer rapid HIV-1 antibody testing to the public. This unit is responsible for conducting both State and federal surveys to ensure compliance with applicable regulations. This project is the agent for federal certification in the Clinical Laboratory Improvement Amendments of 1988 program (CLIA), which is required for all clinical laboratory testing sites.

This unit is also responsible for the Maryland Cytology Proficiency Testing Program (MCPTP), which requires all individuals who examine PAP smears obtained from Maryland citizens to pass an annual proficiency test. MCPTP is one of three nationally recognized Cytology GYN Proficiency Testing programs that meet the CLIA requirements for Cytology Proficiency Testing for all cytology laboratories. The testing cycle beginning in FY07 included the conventional PAP smears and the liquid based PAP smears for all individuals who examine such specimens obtained from Maryland citizens. In addition, the Clinical Laboratory Licensing and Certification unit is responsible for investigating complaints received from the public.

Table 12 Clinical Laboratory Unit of Measurements Accomplishments, FY 2008-FY 2011

| Units of  | Fiscal Year | Fiscal Year | Fiscal Year | Fiscal Year |
|---|-------------|-------------|-------------|-------------|
| Measurements  | 2008        | 2009        | 2010        | 2011        |
| Physician Office<br>and Point-of-Care<br>Laboratories,<br>State Only              | 611         | 581         | 624         | 632         |
| Initial Surveys of<br>New Providers   | 20          | 25          | 30          | 25          |
| Full Surveys  | 190         | 233         | 115         | 135         |
| Follow up<br>Surveys  | 97          | 133         | 44          | 108         |
| Complaint<br>Surveys  | 2           | 1           | 5           | 1           |
| Physician Office<br>and Point-of-Care<br>Laboratories,<br>Federal CLIA<br>Surveys | NA          | NA          | 611         | 523         |
| Initial Surveys of new Providers  | NA          | NA          | 39          | 25          |
| Full Surveys  | NA          | NA          | 228         | 135         |
| Follow up<br>Surveys  | NA          | NA          | 148         | 108         |
| Validation<br>Surveys)  | 5           | 3           | 1           | 1           |
| Complaint   | NA          | NA          | 5           | 10          |

| Units of<br>Measurements            | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|
|                                     | 2008                | 2009                | 2010                | 2011                |
| Surveys                             | 20                  | 45                  | 22                  | 44                  |
| Federal Waived                      | 39                  | 15                  | 32                  | 41                  |
| Lab Project                         | 200                 | 464                 | F2.4                | 154                 |
| Independent                         | 388                 | 464                 | 534                 | 461                 |
| Reference<br>Laboratories           |                     |                     |                     |                     |
|                                     | 6                   | 4                   | 6                   | 8                   |
| Initial Surveys of<br>New Providers | 0                   | 4                   | 0                   | 8                   |
| Full Surveys                        | 35                  | 38                  | 36                  | 29                  |
|                                     | 28                  | 30                  | 29                  | 28                  |
| Follow up<br>Surveys                | 28                  | 30                  | 29                  | 28                  |
| Validation Surveys                  | 0                   | 0                   | 2                   | 1                   |
| Complaint                           | 8                   | 6                   | 5                   | 3                   |
| Surveys                             | 0                   | 0                   | 3                   | 3                   |
| Hospital                            | 76                  | 74                  | 77                  | 70                  |
| Laboratories                        | 70                  | 74                  | 77                  | 70                  |
| Initial Surveys of                  | 0                   | 0                   | 0                   | 1                   |
| New Providers                       | O                   | Ŭ                   |                     | 1                   |
| Full Surveys                        | 0                   | 0                   | 0                   | 0                   |
| Follow up                           | 0                   | 3                   | 0                   | 0                   |
| Surveys                             |                     |                     |                     |                     |
| Validation Surveys                  | 1                   | 1                   | 2                   | 2                   |
| Complaint                           | 0                   | 1                   | 1                   | 2                   |
| Surveys                             |                     |                     |                     |                     |
| Cholesterol                         | 15                  | 13                  | 17                  | 20                  |
| <b>Testing Sites</b>                |                     |                     |                     |                     |
| Initial Surveys of                  | 5                   | 0                   | 2                   | 2                   |
| New Providers                       |                     |                     |                     |                     |
| Full Surveys                        | 27                  | 16                  | 36                  | 13                  |
| Validation Surveys                  | 0                   | 0                   | 0                   | 0                   |
| Tissue Banks                        | 155                 | 164                 | 203                 | 203                 |
| Initial Surveys of                  | 11                  | 0                   | 5                   | 0                   |
| New Providers                       |                     |                     |                     |                     |
| Full Surveys                        | 44                  | 25                  | 17                  | 0                   |
| Follow up                           | 3                   | 4                   | 2                   | 0                   |
| Surveys                             |                     |                     |                     |                     |
| Validation Surveys                  | 0                   | 0                   | 0                   | 0                   |
| Cytology                            |                     |                     |                     |                     |
| Proficiency                         |                     |                     |                     |                     |
| Testing                             |                     |                     |                     |                     |
| Laboratories                        | 81                  | 91                  | 88                  | 82                  |
| Performing                          |                     |                     |                     |                     |
| Cytology                            | 407                 | 244                 | 222                 | 225                 |
| Individuals Tested                  | 407                 | 344                 | 333                 | 325                 |
| Individuals who                     | 17                  | 14                  | 18                  | 13                  |
| Failed and                          |                     |                     |                     |                     |
| Required Re-                        |                     |                     |                     |                     |
| testing or Training                 |                     |                     |                     |                     |
| and Re-Testing                      |                     |                     |                     |                     |

| Units of<br>Measurements               | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|--|---------------------|---------------------|---------------------|---------------------|
| Employer Drug<br>Testing               | 114                 | 114                 | 126                 | 91                  |
| Initial Surveys of<br>New Providers    | 0                   | 0                   | 0                   | 0                   |
| Full Surveys                           | 0                   | 0                   | 0                   | 0                   |
| Follow up<br>Surveys                   | 0                   | 0                   | 0                   | 0                   |
| Public Health<br>Testing <sup>11</sup> | NA                  | NA                  | 24                  | 22                  |
| Initial Surveys of<br>New Providers    | NA                  | NA                  | 0                   | 0                   |
| Full Surveys                           | NA                  | NA                  | 0                   | 0                   |
| Follow up<br>Surveys                   | NA                  | NA                  | 0                   | 0                   |

Table 13 FY 2011 Performance Measures – Clinical Laboratory Unit

| Priority or Performance Measure  | Result |
|--|--------|
| Maintain federally required and budgeted survey activity.                          | Met    |
| Investigate any complaint that could result in actual harm within 45 working days. | Met    |

#### Forensic Laboratory Unit<sup>12</sup>

The Forensic Laboratory unit provides oversight for the regulation of accredited and non accredited laboratories that perform forensic analyses. Responsibilities of the unit include the investigation of complaints filed against these laboratories; the annual survey and revisit surveys of non accredited forensic laboratories; review of all self reported incidents that occur at both accredited and non accredited laboratories; review of all proficiency tests administered at the forensic laboratories; and all associated activity required for licensure including on-site inspection and review of documentation from the forensic laboratories and external accreditation organizations.

Beginning in FY 2012, the Laboratory unit will be required to begin surveying forensic laboratories. In FY 2009, a workgroup began the development of regulations for the forensic laboratories. At the beginning of FY 2012, the regulations continue to be under development with plans for promulgation before the end of FY 2012. A full time supervisor, who will conduct surveys and perform administrative duties to operate the program, was hired in July 2011. The agency anticipates filling the part time forensic laboratory surveyor position in FY 2012. The numbers of laboratories that will require licensure under this program is estimated to be about 40 forensic laboratories. Units of measurement data will be reported in FY 2012 after initial surveys have begun.

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<sup>&</sup>lt;sup>11</sup> Started tracking data in FY 2010.

<sup>&</sup>lt;sup>12</sup> The Forensic Laboratory will begin conducting surveys in FY 2012

#### **Ambulatory Care Program Unit**

The Ambulatory Care unit is responsible for the State licensure and/or federal certification (Medicare) of all non-long term care facilities that include: Home Health Agencies, Residential Service Agencies, Hospice Care providers, Free Standing Ambulatory Care Facilities (ambulatory surgery, endoscopy, kidney dialysis, and birthing centers and facilities that use major medical equipment), Out-patient Physical Therapy providers, Comprehensive Out-patient Rehabilitation Facilities, Portable X-ray providers, Nurse Staffing Agencies, and Nursing Referral Services Agencies. This program receives complaints alleged against all ambulatory care providers and maintains a federal (Medicare) twenty-four hour complaint hotline for Home Health Agencies.

The unit will continue to use the improved survey process for ambulatory surgery centers (ASCs) during FY 2012. During FY 2013, OHCQ will survey approximately one-quarter of the ASCs (344) as a high priority mandated by CMS.

Table 14 Ambulatory Care Program's Unit of Measurements Accomplishments, FY 2008-FY2011

| Units of Measurements               | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Home Health                         | 52                  | 53                  | 51                  | 58                  |
| Agencies                            | 32                  | 33                  | 31                  | 36                  |
| Initial Surveys of                  | 2                   | 2                   | 9                   | 1                   |
| New Providers                       |                     |                     |                     |                     |
| Full Surveys                        | 37                  | 38                  | 15                  | 19                  |
| Follow up Surveys                   | 3                   | 3                   | 0                   | 1                   |
| Complaint<br>Investigations         | 13                  | 14                  | 12                  | 14                  |
| Hospice Care                        | 31                  | 31                  | 26                  | 30                  |
| Initial Surveys of<br>New Providers | 1                   | 1                   | 0                   | 0                   |
| Full Surveys                        | 3                   | 3                   | 5                   | 3                   |
| Follow up Surveys                   | 0                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations         | 10                  | 11                  | 9                   | 8                   |
| Residential Service<br>Agencies     | 589                 | 595                 | 700                 | 727                 |
| Full Surveys                        | 45                  | 45                  | 19                  | 25                  |
| Initial Surveys of<br>New Providers | 71                  | 65                  | 81                  | 80                  |
| Follow up Surveys                   | 41                  | 38                  | 13                  | 6                   |
| Complaint<br>Investigations         | 25                  | 28                  | 21                  | 25                  |
| Freestanding Renal Dialysis         | 120                 | 121                 | 119                 | 122                 |
| Initial Surveys of<br>New Providers | 3                   | 1                   | 8                   | 3                   |
| Full Surveys                        | 57                  | 56                  | 34                  | 41                  |
| Follow up Surveys                   | 4                   | 3                   | 16                  | 4                   |
| Complaint<br>Investigations         | 32                  | 35                  | 24                  | 26                  |
| Freestanding                        | 365                 | 366                 | 340                 | 341                 |

| Units of Measurements                                       | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|---|---------------------|---------------------|---------------------|---------------------|
| Ambulatory Surgical Centers                                 |                     |                     |                     |                     |
| Initial Surveys of<br>New Providers                         | 15                  | 15                  | 26                  | 22                  |
| Full Surveys  | 21                  | 36                  | 130                 | 103                 |
| Follow up Surveys   | 1                   | 0                   | 8                   | 27                  |
| Complaint<br>Investigations                                 | 5                   | 6                   | 5                   | 7                   |
| Comprehensive<br>Outpatient<br>Rehabilitation<br>Facilities | 8                   | 8                   | 4                   | 2                   |
| Initial Surveys of<br>New Providers                         | 0                   | 0                   | 0                   | 0                   |
| Full Surveys  | 1                   | 1                   | 1                   | 1                   |
| Follow up Surveys   | 0                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations                                 | 1                   | 1                   | 0                   | 0                   |
| Major Medical   | 227                 | 229                 | 231                 | 230                 |
| Equipment   |                     |                     |                     |                     |
| Initial Surveys of<br>New Providers                         | 0                   | 0                   | 0                   | 4                   |
| Full Surveys  | 0                   | 0                   | 0                   | 0                   |
| Follow up Surveys   | 0                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations                                 | 0                   | 1                   | 2                   | 3                   |
| Birthing Centers  | 4                   | 2                   | 2                   | 2                   |
| Initial Surveys of<br>New Providers                         | 0                   | 0                   | 0                   | 0                   |
| Full Surveys  | 1                   | 1                   | 1                   | 1                   |
| Follow up Surveys   | 2                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations                                 | 2                   | 0                   | 0                   | 0                   |
| Outpatient Physical Therapy                                 | 147                 | 167                 | 79                  | 90                  |
| Initial Surveys of<br>New Providers                         | 7                   | 1                   | 2                   | 2                   |
| Full Surveys  | 3                   | 0                   | 8                   | 5                   |
| Complaint<br>Investigations                                 | 0                   | 1                   | 1                   | 1                   |
| Portable X-Ray  | 10                  | 11                  | 9                   | 10                  |
| Initial Surveys of<br>New Providers                         | 0                   | 0                   | 1                   | 1                   |
| Full Surveys  | 0                   | 1                   | 1                   | 1                   |
| Follow up Surveys   | 0                   | 0                   | 0                   | 0                   |
| Complaint<br>Investigations                                 | 1                   | 2                   | 1                   | 1                   |
| Nurse Staff<br>Agencies                                     | 502                 | 505                 | 483                 | 550                 |

| Units of Measurements           | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|---------------------------------|---------------------|---------------------|---------------------|---------------------|
| Licenses Renewed                | 471                 | 476                 | 364                 | 454                 |
| Initial Licenses<br>Issued      | 127                 | 130                 | 119                 | 25                  |
| Nurse Referral Service Agencies | 55                  | 57                  | 86                  | 75                  |
| Initial License issued          | 55                  | 57                  | 24                  | 19                  |

Table 15 Performance Measures of the Ambulatory Care Programs Unit, FY2011

| Priority or Performance Measure   | Result |
|---|--------|
| Maintain overall 36 month average for home health agency surveys (federal priority).  | Met    |
| Investigate any complaint of serious and immediate jeopardy within two working days.  | Met    |
| Investigate any complaint that could result in actual harm within 30 working days.  | Met    |
| Process requests for licensure within six months of application for RSA licensure and within eight weeks of application for other ambulatory care programs. | Met    |

#### **Community Mental Health Unit**

The Mental Health unit ensures that consumers in the State receive quality mental health services. This is achieved through the regulatory process as governed by COMAR Title 10 Department of Health and Mental Hygiene Subtitle 21. Community Mental Health programs include: Therapeutic Group Homes for children, Residential Crisis Services for children and adults, Respite Care Services for children, Group Homes for adults, Residential Rehabilitation Program for adults, Psychiatric Rehabilitation Programs for children and adults, Outpatient Mental Health Clinics for children and adults, Psychiatric Day Treatment Services for children and adults, and Mental Health Vocational Programs.

Responsibilities of the unit include reviewing applications submitted by providers who are proposing to provide mental health services; conducting annual surveys of children's residential programs; conducting one, two, or three year on-site reviews of all adult community mental health programs; investigating complaints and incidents that occur within children's residential programs; conducting physical plant inspections, consumer record reviews and administrative file reviews; collaborating with the Mental Hygiene Administration (MHA), the Office of Attorney General, the Office of Inspector General and the Core Service Agency (CSA) regarding mental health programs; and recommending to the MHA licensure or approval of a program based on regulatory compliance.

Table 16 Community Mental Health Accomplishments, FY 2008-FY 2011

| Units of Measurements   | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|---|---------------------|---------------------|---------------------|---------------------|
| <b>Licensed Providers</b>   | 204                 | 204                 | 191                 | 196                 |
| Residential<br>Rehabilitation<br>Program Sites                                      | 750                 | 750                 | 764                 | 766                 |
| Programs other<br>than Residential<br>Rehabilitation<br>Program Sites <sup>13</sup> | 756                 | 756                 | 733                 | 781                 |
| Providers Surveyed  | 40                  | 29                  | 34                  | 56                  |
| Programs Surveyed   | 139                 | 136                 | 107                 | 101                 |
| Applications<br>Received <sup>14</sup>  | NA                  | 48                  | 50                  | 34                  |
| Therapeutic Group<br>Home Incidents<br>Received <sup>15</sup>                       | NA                  | 343                 | 500                 | 359                 |

Table 17 FY 2011 Performance Measures - Community Mental Health Unit

| Priority or Performance Measure  | Result                |
|--|-----------------------|
| Survey 35% of programs that are currently approved under a 6-month         | Not Met <sup>16</sup> |
| Temporary approval   |                       |
| Complete 100% of the surveys mandated through Settlement Agreements        | Met                   |
| (21 agreements)  |                       |
| Prioritize service providers who have been identified by OHCQ, MHA, CSA or | Not Met <sup>17</sup> |
| MAPS-MD (ASO) as being noncompliant with COMAR and within 6 months of      |                       |
| referral complete a full survey of the program                             |                       |

#### **Substance Abuse Certification Unit**

The Substance Abuse Certification unit is the agent of the Alcohol and Drug Abuse Administration (ADAA) responsible for conducting biennial surveys and complaint investigations of substance abuse treatment providers to ensure compliance with applicable State (COMAR 10.47) and federal (42 CFR parts 2 and 8) regulations.

The unit recommends to ADAA initial, provisional or general certification for substance abuse treatment providers throughout the State. The unit responds to and investigates complaints that are received from patients, providers and members of the community at large. Complaints may result in deficiencies related to non-compliance with regulations or referrals to other agencies including, e.g., the Attorney General's Office. The unit interacts with other State and Federal agencies involved with drug control issues. Programs evaluated by the unit include

<sup>&</sup>lt;sup>13</sup> Some of the other programs include group homes, vocational programs, mobile treatment services, outpatient clinics, psychiatric day treatment services, respite care services, etc.

<sup>&</sup>lt;sup>14</sup> Started tracking data in FY 2009.

<sup>&</sup>lt;sup>15</sup> Started tracking data in FY 2009.

<sup>&</sup>lt;sup>16</sup> Surveyed 28% of programs currently approved under a 6-month Temporary approval.

<sup>&</sup>lt;sup>17</sup> Surveyed 60% of providers referred by MHA as being non-complaint with COMAR.

levels of service such as Early Intervention, Outpatient Treatment, Residential Treatment and Opioid Maintenance Therapy.

Early Intervention programs often work with the court system to provide Driving While Intoxicated (DWI) education. Outpatient clinics provide community based drug and alcohol education and counseling. Residential programs provide inpatient treatment for individuals requiring thorough evaluation, detoxification and counseling. Opioid Maintenance Therapy (OMT) programs typically administer Methadone to substance abusers in a community based setting.

Table 18 Substance Abuse Certification Unit of Measurements Accomplishments, FY 2008-FY 2011<sup>18</sup>

| Units of<br>Measurements     | Fiscal Year<br>2008 | Fiscal Year<br>2009 | Fiscal Year<br>2010 | Fiscal Year<br>2011 |
|------------------------------|---------------------|---------------------|---------------------|---------------------|
| Licensed<br>Programs         | NA                  | NA                  | NA                  | 498                 |
| Program Owners               | NA                  | NA                  | NA                  | 267                 |
| Site Surveys                 | NA                  | NA                  | NA                  | 130                 |
| New Provider<br>Applications | NA                  | NA                  | NA                  | 16                  |
| Complaints<br>Investigated   | NA                  | NA                  | 16                  | 26                  |

Table 19 FY 2011 Performance Measures - Substance Abuse Certification Unit

| Priority or Performance Measure     | Result                |
|-------------------------------------|-----------------------|
| (1) Survey 249 of licensed programs | Not Met <sup>19</sup> |

<sup>&</sup>lt;sup>18</sup> Program was reorganized in 2011; change in measurement categories. FY 2010 totals are not available for the new categories.

<sup>&</sup>lt;sup>19</sup> Surveyed 52% of licensed programs.

# **Staffing Analysis**

Table 20 shows the annual change in numbers of positions, FY 1996-FY 2012

|      | Table 20: Change in OHCQ Staffing |                               |
|------|-----------------------------------|-------------------------------|
| Year | Total Positions                   | Difference From Previous Year |
| 1996 | 129.8                             |                               |
| 1997 | 130.8                             | -1.                           |
| 1998 | 131.8                             | +1                            |
| 1999 | 157.8                             | +26                           |
| 2000 | 175.8                             | +18                           |
| 2001 | 209.8                             | +34                           |
| 2002 | 228.8                             | +19                           |
| 2003 | 202.8                             | -26                           |
| 2004 | 184.4                             | -18.4                         |
| 2005 | 183.4                             | -1                            |
| 2006 | 187.4                             | +4                            |
| 2007 | 194.4                             | +7                            |
| 2008 | 194.4                             | 0                             |
| 2009 | 194.2                             | .20                           |
| 2010 | 186.20                            | 8.00                          |
| 2011 | 187.7                             | 1.50                          |
| 2012 | 180.7 <sup>20</sup>               | 7.00                          |

**Table 21 Distribution of staff** 

|                               | Table 21 Distribution of OHCQ Staff by Unit |          |           |              |                            |            |  |  |
|-------------------------------|---|----------|-----------|--------------|----------------------------|------------|--|--|
| Units                         | Total                                       | Managers | Surveyors | Professional | Clerical or<br>Secretarial | Supervisor |  |  |
| Administration                | 12.8  | 2        | 0         | 5.8          | 4                          | 1          |  |  |
| Nursing Home                  | 51.4  | 3        | 35.4      | 5            | 3                          | 5          |  |  |
| Developmental<br>Disabilities | 33  | 2        | 25        | 0            | 4                          | 2          |  |  |
| Assisted Living               | 31  | 1        | 23        | 0            | 4                          | 3          |  |  |
| Ambulatory Care               | 17  | 1        | 12        | 0            | 3                          | 1          |  |  |
| Substance Abuse               | 3   | 0        | 3         | 0            | 0                          | 0          |  |  |
| Mental Health                 | 6   | 0        | 5         | 0            | 0                          | 1          |  |  |
| Clinical<br>Laboratory        | 9   | 0        | 5         | 0            | 3                          | 1          |  |  |
| Forensic<br>Laboratory        | 1.5   | 0        | 0.5       | 0            | 0                          | 1          |  |  |
| Hospital                      | 7   | 1        | 5         | 0            | 1                          | 0          |  |  |
| Information<br>Technology     | 7   | 0        | 0         | 5            | 0                          | 2          |  |  |
| Adult Medical<br>Day Care     | 2   | 0        | 1         | 0            | 0                          | 1          |  |  |
| TOTAL                         | 180.7                                       | 10       | 114.9     | 15.80        | 22                         | 18         |  |  |

<sup>&</sup>lt;sup>20</sup> PIN count as of July 1, 2011

**Table 22 Surveyor staffing deficits from Fiscal Year 2005 through Fiscal Year 2012** 

| Table 22: Surveyor Staffing Shortage FY 2005-FY2012 |                  |  |  |  |
|---|------------------|--|--|--|
| Year  | Staffing Deficit |  |  |  |
| Fiscal Year 2005                                    | 55.42            |  |  |  |
| Fiscal Year 2006                                    | 70.98            |  |  |  |
| Fiscal Year 2007                                    | 67.10            |  |  |  |
| Fiscal Year 2008                                    | 67.23            |  |  |  |
| Fiscal Year 2009                                    | 83.10            |  |  |  |
| Fiscal Year 2010                                    | 91.90            |  |  |  |
| Fiscal Year 2011                                    | 92.32            |  |  |  |
| Fiscal Year 2012 <sup>21</sup>                      | 95.63            |  |  |  |

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 $<sup>\</sup>overline{^{21}}$  Surveyor staff deficit is based on the Labor-Hour Analysis (See Appendix A on page 23).

| ,  | Appendix A: Labor-Hour Analysis <sup>22</sup> |                                   |  |                                 |   |  |                    |                           |  |
|--|---|-----------------------------------|--|---------------------------------|---|--|--------------------|---------------------------|--|
| Requirements   | A. # of Facilities or<br>Complaints           | B. Survey<br>Requirement per Year | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey | E. Total Hours<br>Required for Survey<br>Activity (CxD) | F. Number of<br>Surveyors Required<br>(E/1480) | G. No of Surveyors | H. Overage or<br>Shortage |  |
|  |   |                                   |  |                                 |   |  |                    |                           |  |
| Long Term Care   |   |                                   |  |                                 |   |  |                    |                           |  |
| No. of Surveyors   |   |                                   |  |                                 |   |  | 35.40              | 17.06                     |  |
| Nursing Homes (Medicare)   | 232   | 1.00                              | 232                                    | 160                             | 37,120  | 25.08  |                    |                           |  |
| Complaints/Self Reports Investigations   | 2800  | 1.00                              | 2800                                   | 12                              | 33,600  | 22.7   |                    |                           |  |
| Follow-Up Surveys  | 42  | 1.00                              | 42                                     | 16                              | 672   | 0.45   |                    |                           |  |
| State Survey   | 232   | 1.00                              | 232                                    | 20                              | 4,640   | 3.14   |                    |                           |  |
| State Follow-Up Surveys  | 34  | 1.00                              | 34                                     | 20                              | 680   | 0.46   |                    |                           |  |
| Informal Dispute Resolution Conferences  | 40  | 1.00                              | 40                                     | 2                               | 80  | 0.05   |                    |                           |  |
| Intermediate Care Facilities for the<br>Individuals with Intellectual Disabilities | 2   | 1.00                              | 2                                      | 120                             | 240   | 0.16   |                    |                           |  |
| Complaint  | 49  | 1.00                              | 49                                     | 12                              | 588   | 0.4  |                    |                           |  |
| Follow-Up Surveys  | 2   | 1.00                              | 2                                      | 16                              | 32  | 0.02   |                    |                           |  |
|  |   |                                   |  |                                 |   | 52.46  |                    |                           |  |
| Assisted Living Programs   |   |                                   |  |                                 |   |  |                    |                           |  |
| No. of Surveyors   |   |                                   |  |                                 |   |  | 23.00              | 16.02                     |  |
| Initial Surveys  | 145   | 1.00                              | 145                                    | 45                              | 6,525   | 4.41   |                    |                           |  |
| Annual Inspections   | 1369  | 1.00                              | 1369                                   | 25                              | 34,225  | 23.13  |                    |                           |  |
| Other Surveys  | 335   | 1.00                              | 335                                    | 18                              | 6,030   | 4.07   |                    |                           |  |
| Complaint Investigations   | 457   | 1.00                              | 457                                    | 24                              | 10,968  | 7.41   |                    |                           |  |
|  |   |                                   |  |                                 |   | 39.02  |                    |                           |  |
|  |   |                                   |  |                                 |   |  |                    |                           |  |
|  |   |                                   |  |                                 |   |  |                    |                           |  |
|  |   |                                   |  |                                 |   |  |                    |                           |  |

The Labor-Hour Analysis is calculated based on the projected surveyor workload for FY 2012. Activities in Column A include surveys, complaint investigations, and Follow up surveys; Column B notes the statutory requirement for the survey; Column C (Column A x Column B) represents the total number of surveys or units that were required; Column D represents the average time that it takes to conduct a survey (this includes travel time and report writing time; Column E, (Column C x Column D), represents the total hours required for survey activity; Column F (Column E/1480) indicates the number of surveyors that would be needed to conduct this work; Column G indicates the number of surveyors assigned to the unit; and Column H indicates the overage or shortfall. The overage or shortfall is reflective of needs for surveyor staff only and does not include the staff to provide clerical or supervisory support for the survey activity.

| 4   | Appendix A: Labor-Hour Analysis <sup>22</sup> |                                   |  |                                 |   |  |                    |                           |  |
|---|---|-----------------------------------|--|---------------------------------|---|--|--------------------|---------------------------|--|
| Requirements  | A. # of Facilities or<br>Complaints           | B. Survey<br>Requirement per Year | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey | E. Total Hours<br>Required for Survey<br>Activity (CxD) | F. Number of<br>Surveyors Required<br>(E/1480) | G. No of Surveyors | H. Overage or<br>Shortage |  |
| Adult Medical Day Care  |   |                                   |  |                                 |   |  |                    |                           |  |
| No. of Surveyors  |   |                                   |  |                                 |   |  | 1.00               | 0.92                      |  |
| Initial Surveys   | 2   | 1.00                              | 2                                      | 22                              | 44  | 0.03   |                    |                           |  |
| Renewal Surveys   | 122   | 0.50                              | 61                                     | 34                              | 2,074   | 1.4  |                    |                           |  |
| Complaints/Self Reports   | 36  | 1.00                              | 36                                     | 18                              | 648   | 0.44   |                    |                           |  |
| Follow-Up Surveys   | 5   | 1.00                              | 5                                      | 16                              | 80  | 0.05   |                    |                           |  |
|   |   |                                   |  |                                 |   | 1.92   |                    |                           |  |
| Developmental Disabilities  |   |                                   |  |                                 |   |  |                    |                           |  |
| No. of Surveyors  |   |                                   |  |                                 |   |  | 25.00              | 27.40                     |  |
| Initial Site Openings   | 7   | 1.00                              | 7                                      | 60                              | 420   | 0.28   |                    |                           |  |
| Residential Sites (ALUs and Group Homes)                                    | 3033  | 1.00                              | 3033                                   | 16                              | 48528   | 32.79  |                    |                           |  |
| Day Habilitation and Vocational/Supportive Employment                       | 28  | 1.00                              | 28                                     | 40                              | 1120  | 0.76   |                    |                           |  |
| Individual Family Care  | 220   | 1.00                              | 220                                    | 12                              | 2640  | 1.78   |                    |                           |  |
| Resource Coordination   | 15  | 1.00                              | 15                                     | 40                              | 600   | 0.41   |                    |                           |  |
| Community Supported Living Arrangement & Family/Individual Support Services | 4200  | 1.00                              | 4200                                   | 4                               | 16800   | 11.35  |                    |                           |  |
| Follow-Up Surveys   | 10  | 1.00                              | 10                                     | 24                              | 240   | 0.16   |                    |                           |  |
| Death Investigations  | 250   | 0.10                              | 25                                     | 32                              | 800   | 0.54   |                    |                           |  |
| Complaint & Incident Investigations   | 3200  | 0.10                              | 320                                    | 20                              | 6400  | 4.32   |                    |                           |  |
|   |   |                                   |  |                                 |   | 52.40  |                    |                           |  |
| Hospitals & Patient Safety  |   |                                   |  |                                 |   |  |                    |                           |  |
| No. of Surveyors  |   |                                   |  |                                 |   |  | 5.00               | 0.65                      |  |
| Hospitals   |   |                                   |  |                                 |   |  |                    |                           |  |
| Validation Surveys  | 5   | 1.00                              | 5                                      | 210                             | 1,050   | 0.71   |                    |                           |  |
| Complaints Investigations   | 134   | 1.00                              | 134                                    | 28                              | 3,752   | 2.54   |                    |                           |  |
| Follow-Up Surveys   | 8   | 1.00                              | 8                                      | 16                              | 128   | 0.09   |                    |                           |  |
| Correctional Health Care Facilities   |   |                                   |  |                                 |   |  |                    |                           |  |
| Full Surveys  | 11  | 1.00                              | 11                                     | 25                              | 275   | 0.19   |                    |                           |  |
| Complaint Investigations  | 2   | 1.00                              | 2                                      | 8                               | 16  | 0.01   |                    |                           |  |
| UR/Credentialing; Other Reviews and Surveys                                 | 66  | 1.00                              | 66                                     | 2                               | 132   | 0.09   |                    |                           |  |
| Mortality Review - Psych Hospitals  | 15  | 1.00                              | 15                                     | 8                               | 120   | 0.08   |                    |                           |  |
| Patient Safety  |   |                                   |  |                                 |   |  |                    |                           |  |

| Appendix A: Labor-Hour Analysis <sup>22</sup>        |                                     |                                   |  |                                 |   |  |                    |                           |
|--|-------------------------------------|-----------------------------------|--|---------------------------------|---|--|--------------------|---------------------------|
| Requirements   | A. # of Facilities or<br>Complaints | B. Survey<br>Requirement per Year | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey | E. Total Hours<br>Required for Survey<br>Activity (CxD) | F. Number of<br>Surveyors Required<br>(E/1480) | G. No of Surveyors | H. Overage or<br>Shortage |
| Review - RCA   | 255                                 | 1.00                              | 255                                    | 4                               | 1,020   | 0.69   |                    |                           |
| Follow-Up Investigations                             | 6                                   | 1.00                              | 6                                      | 12                              | 72  | 0.05   |                    |                           |
| Patient safety Program Surveys                       | 7                                   | 1.00                              | 7                                      | 24                              | 168   | 0.11   |                    |                           |
| Health Maintenance Organizations                     |                                     |                                   |  |                                 |   |  |                    |                           |
| Surveys  | 6                                   | 1.00                              | 6                                      | 110                             | 660   | 0.45   |                    |                           |
| Follow-Up  | 1                                   | 1.00                              | 1                                      | 16                              | 16  | 0.01   |                    |                           |
| Complaints   | 6                                   | 1.00                              | 6                                      | 5                               | 30  | 0.02   |                    |                           |
| Residential Treatment Centers                        |                                     |                                   |  |                                 |   |  |                    |                           |
| Complaints   | 34                                  | 1.00                              | 34                                     | 16                              | 544   | 0.37   |                    |                           |
| Validation Surveys                                   | 2                                   | 1.00                              | 2                                      | 16                              | 32  | 0.02   |                    |                           |
| Follow-Up Surveys                                    | 1                                   | 1.00                              | 1                                      | 16                              | 16  | 0.01   |                    |                           |
| Freestanding Medical Facilities                      |                                     |                                   |  |                                 |   |  |                    |                           |
| Surveys  | 2                                   | 1.00                              | 2                                      | 24                              | 48  | 0.03   |                    |                           |
| Follow-ups   | 1                                   | 1.00                              | 1                                      | 24                              | 24  | 0.02   |                    |                           |
| Complaints   | 2                                   | 1.00                              | 2                                      | 10                              | 20  | 0.01   |                    |                           |
| Transplant Programs                                  |                                     |                                   |  |                                 |   |  |                    |                           |
| Surveys  | 1                                   | 1.00                              | 1                                      | 170                             | 170   | 0.11   |                    |                           |
| Complaints   | 2                                   | 1.00                              | 2                                      | 32                              | 64  | 0.04   |                    |                           |
| Clinical Laboratories Licensing and<br>Certification |                                     |                                   |  |                                 |   | 5.65   |                    |                           |
| No. of Surveyors                                     |                                     |                                   |  |                                 |   |  | 5.00               | 7.51                      |
| Independent Reference Labs                           |                                     |                                   |  |                                 |   |  |                    |                           |
| Non-Accredited                                       | 534                                 | 0.50                              | 267                                    | 20                              | 5,340   | 3.61   |                    |                           |
| Complaints   | 12                                  | 1.00                              | 12                                     | 22                              | 264   | 0.18   |                    |                           |
| Physician Offices and Point of Care                  |                                     |                                   |  |                                 |   |  |                    |                           |
| CLIA   | 611                                 | 0.50                              | 306                                    | 10                              | 3,060   | 2.07   |                    |                           |
| Federal Waived Labs Project                          | 39                                  | 1.00                              | 39                                     | 10                              | 390   | 0.26   |                    |                           |
| Complaint Surveys                                    | 1                                   | 1.00                              | 1                                      | 8                               | 8   | 0.01   |                    |                           |
| Validation   | 2                                   | 1.00                              | 2                                      | 20                              | 40  | 0.03   |                    |                           |
| Cytology Proficiency Testing                         | 407                                 | 1.00                              | 407                                    | 3                               | 1,221   | 0.83   |                    |                           |
| Cytology Surveys                                     | 35                                  | 0.50                              | 18                                     | 8                               | 144   | 0.1  |                    |                           |
| Proficiency Testing - Multiple Failure<br>Letters    | 43                                  | 1.00                              | 43                                     | 4                               | 172   | 0.12   |                    |                           |

| Appendix A: Labor-Hour Analysis <sup>22</sup> |                                     |                                   |  |                                 |   |  |                    |                           |
|---|-------------------------------------|-----------------------------------|--|---------------------------------|---|--|--------------------|---------------------------|
| Requirements                                  | A. # of Facilities or<br>Complaints | B. Survey<br>Requirement per Year | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey | E. Total Hours<br>Required for Survey<br>Activity (CxD) | F. Number of<br>Surveyors Required<br>(E/1480) | G. No of Surveyors | H. Overage or<br>Shortage |
| Proficiency Testing - Single Failure Letters  | 1168                                | 1.00                              | 1168                                   | 2                               | 2,336   | 1.58   |                    |                           |
| State Only Surveys                            | 624                                 | 0.50                              | 312                                    | 7                               | 2,184   | 1.48   |                    |                           |
| Cholesterol Testing                           | 15                                  | 1.00                              | 15                                     | 7                               | 105   | 0.07   |                    |                           |
| Public Health Testing                         | 18                                  | 1.00                              | 18                                     | 5                               | 90  | 0.06   |                    |                           |
| Tissue Banks                                  | 170                                 | 1.00                              | 170                                    | 11                              | 1,870   | 1.26   |                    |                           |
| Employer Drug Testing                         | 114                                 | 1.00                              | 114                                    | 11                              | 1,254   | 0.85   |                    |                           |
|   |                                     |                                   |  |                                 |   | 12.51  |                    |                           |
| Forensic Laboratories                         |                                     |                                   |  |                                 |   |  |                    |                           |
| No. of Surveyors                              |                                     |                                   |  |                                 |   |  | 0.50               | 0.31                      |
| Initial Surveys                               | 50                                  | 1.00                              | 50                                     | 24                              | 1,200   | 0.81   |                    |                           |
| Renewal Surveys                               | 0                                   | 1.00                              | 0                                      |                                 | 0   | 0  |                    |                           |
| Complaints/Self Reports                       | 1                                   | 1.00                              | 1                                      |                                 | 0   | 0  |                    |                           |
| Follow-Up Surveys                             | 1                                   | 1.00                              | 1                                      |                                 | 0   | 0  |                    |                           |
|   |                                     |                                   |  |                                 |   | 0.81   |                    |                           |
| Ambulatory Care Programs                      |                                     |                                   |  |                                 |   |  |                    |                           |
| No. of Surveyors                              |                                     |                                   |  |                                 |   |  | 12.00              | 22.16                     |
| Birthing Centers                              | 2                                   | 1.00                              | 2                                      | 18                              | 36  | 0.02   |                    |                           |
| Home Health Agencies (HHA)                    | 10                                  | 1.00                              | 10                                     | 50                              | 500   | 0.34   |                    |                           |
| HHA - Complaints                              | 12                                  | 1.00                              | 12                                     | 24                              | 288   | 0.19   |                    |                           |
| Dialysis Centers - Surveys                    | 119                                 | 0.33                              | 39                                     | 46                              | 1,794   | 1.21   |                    |                           |
| Dialysis Complaints                           | 24                                  | 1.00                              | 24                                     | 21                              | 504   | 0.34   |                    |                           |
| Hospice Care Programs - Surveys               | 30                                  | 0.33                              | 10                                     | 43                              | 430   | 0.29   |                    |                           |
| Hospice Care Programs - Complaints            | 9                                   | 1.00                              | 9                                      | 21                              | 189   | 0.13   |                    |                           |
| Ambulatory Surgical Centers                   | 341                                 | 0.25                              | 85                                     | 40                              | 3,400   | 2.3  |                    |                           |
| Ambulatory Surgical Centers - Complaints      | 5                                   | 1.00                              | 5                                      | 8                               | 40  | 0.03   |                    |                           |
| Outpatient Physical Therapy                   | 90                                  | 0.05                              | 5                                      | 10                              | 50  | 0.03   |                    |                           |
| Comprehensive Outpatient Rehab Facilities     | 4                                   | 0.05                              | 1                                      | 10                              | 10  | 0.01   |                    |                           |
| Portable X-Ray                                | 10                                  | 0.05                              | 1                                      | 10                              | 10  | 0.01   |                    |                           |
| Residential Service Agencies                  | 721                                 | 1.00                              | 721                                    | 54                              | 38,934  | 26.31  |                    |                           |
| Residential Service Agencies - Complaints     | 21                                  | 1.00                              | 21                                     | 18                              | 378   | 0.26   |                    |                           |
| Major Medical Equipment                       | 230                                 | 1.00                              | 230                                    | 10                              | 2,300   | 1.55   |                    |                           |
| Nurse Staffing Agencies                       | 550                                 | 1.00                              | 550                                    | 3                               | 1,650   | 1.11   |                    |                           |
| Nurse Referral Service Agencies               | 75                                  | 0.33                              | 24.75                                  | 2                               | 50  | 0.03   |                    |                           |
|   |                                     |                                   |  |                                 |   | 34.16  |                    |                           |

|                                     | _  |  |   |  |   |  | Appendix A: Labor-Hour Analysis <sup>22</sup> |  |  |  |  |  |  |  |  |  |
|-------------------------------------|--|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|
| A. # of Facilities or<br>Complaints | B. Survey<br>Requirement per Year                                      | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey   | E. Total Hours<br>Required for Survey<br>Activity (CxD)  | F. Number of<br>Surveyors Required<br>(E/1480)  | G. No of Surveyors   | H. Overage or<br>Shortage                     |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  |   |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  |   | 5.00   | (0.94)  |  |  |  |  |  |  |  |  |  |
| 237                                 | 0.50   | 119                                    | 8   | 952  | 0.64  |  |   |  |  |  |  |  |  |  |  |  |
| 133                                 | 0.50   | 67                                     | 3.3   | 56.1   | 0.04  |  |   |  |  |  |  |  |  |  |  |  |
| 50                                  | 0.33   | 17                                     | 24  | 408  | 0.28  |  |   |  |  |  |  |  |  |  |  |  |
| 23                                  | 0.33   | 8                                      | 16  | 128  | 0.09  |  |   |  |  |  |  |  |  |  |  |  |
| 39                                  | 0.33   | 13                                     | 16  | 208  | 0.14  |  |   |  |  |  |  |  |  |  |  |  |
| 240                                 | 0.33   | 79                                     | 30  | 2370   | 1.6   |  |   |  |  |  |  |  |  |  |  |  |
| 14                                  | 0.33   | 5                                      | 16  | 80   | 0.05  |  |   |  |  |  |  |  |  |  |  |  |
| 77                                  | 0.33   | 25                                     | 25  | 625  | 0.42  |  |   |  |  |  |  |  |  |  |  |  |
| 15                                  | 0.33   | 5                                      | 16  | 80   | 0.05  |  |   |  |  |  |  |  |  |  |  |  |
| 32                                  | 1.00   | 32                                     | 24  | 768  | 0.52  |  |   |  |  |  |  |  |  |  |  |  |
| 2                                   | 0.33   | 1                                      | 16  | 16   | 0.01  |  |   |  |  |  |  |  |  |  |  |  |
| 40                                  | 1.00   | 40                                     | 8   | 320  | 0.22  |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  | 4.06  |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  |   |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  |   | 3.00   | 4.54  |  |  |  |  |  |  |  |  |  |
| 90                                  | 1.00   | 90                                     | 24  | 2160   | 1.46  |  |   |  |  |  |  |  |  |  |  |  |
| 350                                 | 0.50   | 175                                    | 16  | 2800   | 1.89  |  |   |  |  |  |  |  |  |  |  |  |
| 20                                  | 1.00   | 20                                     | 2   | 40   | 0.03  |  |   |  |  |  |  |  |  |  |  |  |
| 35                                  | 0.50   | 35                                     | 2   | 70   | 0.05  |  |   |  |  |  |  |  |  |  |  |  |
| 5                                   | 1.00   | 5                                      | 1   | 5  | 0   |  |   |  |  |  |  |  |  |  |  |  |
| 22                                  | 0.50   | 11                                     | 8   | 88   | 0.06  |  |   |  |  |  |  |  |  |  |  |  |
| 275                                 | 0.50   | 138                                    | 16  | 2208   | 1.49  |  |   |  |  |  |  |  |  |  |  |  |
| 113                                 | 0.50   | 57                                     | 16  | 912  | 0.62  |  |   |  |  |  |  |  |  |  |  |  |
| 32                                  | 0.50   | 16                                     | 16  | 256  | 0.17  |  |   |  |  |  |  |  |  |  |  |  |
| 57                                  | 0.50   | 29                                     | 16  | 464  | 0.31  |  |   |  |  |  |  |  |  |  |  |  |
| 90                                  | 0.50   | 90                                     | 24  | 2160   | 1.46  |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  | 7.54  |  |   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  | 210 52  | 11/ 90   | 95.63   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  | 210.55  | 114.30   | JJ.03   |  |  |  |  |  |  |  |  |  |
|                                     |  |  |   |  |   |  |   |  |  |  |  |  |  |  |  |  |
|                                     | 237 133 50 23 39 240 14 77 15 32 2 40  90 350 20 35 5 22 275 113 32 57 | 237                                    | 237       0.50       119         133       0.50       67         50       0.33       17         23       0.33       8         39       0.33       13         240       0.33       79         14       0.33       5         77       0.33       25         15       0.33       5         32       1.00       32         2       0.33       1         40       1.00       40         90       1.00       90         350       0.50       175         20       1.00       20         35       0.50       35         5       1.00       5         22       0.50       11         275       0.50       138         113       0.50       57         32       0.50       16         57       0.50       29 | 237       0.50       119       8         133       0.50       67       3.3         50       0.33       17       24         23       0.33       8       16         39       0.33       13       16         240       0.33       79       30         14       0.33       5       16         77       0.33       25       25         15       0.33       5       16         32       1.00       32       24         2       0.33       1       16         40       1.00       40       8         90       1.00       90       24         350       0.50       175       16         20       1.00       20       2         35       0.50       35       2         5       1.00       5       1         22       0.50       11       8         275       0.50       138       16         113       0.50       57       16         32       0.50       16       16         57       0.50       29       16 | 237         0.50         119         8         952           133         0.50         67         3.3         56.1           50         0.33         17         24         408           23         0.33         8         16         128           39         0.33         13         16         208           240         0.33         79         30         2370           14         0.33         5         16         80           77         0.33         25         25         625           15         0.33         5         16         80           32         1.00         32         24         768           2         0.33         1         16         16           40         1.00         40         8         320           90         1.00         90         24         2160           350         0.50         175         16         2800           20         1.00         20         2         40           35         0.50         35         2         70           5         1.00         5         1 | 237         0.50         119         8         952         0.64           133         0.50         67         3.3         56.1         0.04           50         0.33         17         24         408         0.28           23         0.33         8         16         128         0.09           39         0.33         13         16         208         0.14           240         0.33         79         30         2370         1.6           14         0.33         5         16         80         0.05           77         0.33         25         25         625         0.42           15         0.33         5         16         80         0.05           32         1.00         32         24         768         0.52           2         0.33         1         16         16         0.01           40         1.00         40         8         320         0.22           90         1.00         90         24         2160         1.46           350         0.50         175         16         2800         1.89           20 |   |  |  |  |  |  |  |  |  |  |

| Appendix A: Labor-Hour Analysis <sup>22</sup> |                                     |                                   |  |                                 |   |  |                    |                           |
|---|-------------------------------------|-----------------------------------|--|---------------------------------|---|--|--------------------|---------------------------|
| Requirements                                  | A. # of Facilities or<br>Complaints | B. Survey<br>Requirement per Year | C. Total Number of<br>Surveys Required | D. Hours Required per<br>Survey | E. Total Hours<br>Required for Survey<br>Activity (CxD) | F. Number of<br>Surveyors Required<br>(E/1480) | G. No of Surveyors | H. Overage or<br>Shortage |
| 0.50 = Every 2-Yrs                            |                                     |                                   |  |                                 |   |  |                    |                           |
| 0.33 = Every 3-Yrs                            |                                     |                                   |  |                                 |   |  |                    |                           |
| 0.25 = 25% of the Total                       |                                     |                                   |  |                                 |   |  |                    |                           |
| 0.15 = 15% of the Total                       |                                     |                                   |  |                                 |   |  |                    |                           |
| 0.10 = 10% of the Total                       |                                     |                                   | -                                      |                                 |   |  |                    |                           |
| 0.05 = 5% of the Total                        |                                     |                                   |  |                                 |   |  |                    |                           |