



**Champlain Valley Area
Health Education Center**

Primary Care Survey 2005



Champlain Valley Health Education Center
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**Champlain Valley Area
Health Education Center**

2005 Primary Care Survey

The Champlain Valley Area Health Education Center (CVAHEC) Primary Care Survey aims to identify the distribution of all primary care physicians, physician assistants, certified nurse midwives and nurse practitioners in the disciplines of family medicine, internal medicine, obstetrics and gynecology, pediatrics and psychiatry in Addison, Chittenden, Franklin and Grand Isle Counties.

The following pages outline numbers and types of providers, their locations and full time equivalencies (FTEs). In addition, comparison data is offered regarding recommendations for an adequate supply of primary care physicians within their discipline.

Data Collection

Data collected includes information on physicians (MD, DO), physician assistants (PA), certified nurse midwives (CNM) and nurse practitioners (NP) actively practicing in Addison, Chittenden, Franklin and Grand Isle Counties in the disciplines of family medicine, internal medicine, obstetrics & gynecology, pediatrics and psychiatry as of April 1, 2005. Medical residents, clinical fellows and research fellows are not included in the data sets.

Beginning in January 2005, a list of 125 family medicine (FM), internal medicine (IM), obstetric and gynecologic (Ob/Gyn), pediatric (Peds), and psychiatry practices in Addison, Chittenden, Franklin and Grand Isle Counties was generated from the CVAHEC provider database. Each was sent a survey asking for basic practice site information. (See page 20 for a sample of the survey form). Of the 125 practices surveyed, 122 returned the survey. This resulted in an overall return rate of 98%. In sum, a total of 119 practices (three practices were determined to be specialty care), 308 physicians and 109 midlevel providers are included in the following report. Only information offered by the practices as per the Primary Care Survey questionnaire is included. All information is current as of April 1, 2005.

Survey Limitations

- ◆ Three practices were determined to be specialty care and were removed from the survey data for 2005 (each was included in the 2004 survey).
 - Walk in Care Center at Fanny Allen (urgent care; reported as family medicine in 2004)
 - O'Brien Health Center (cardiology; reported as internal medicine in 2004)
 - Fletcher Allen Health Care Psychiatry (hospital inpatient psychiatry only; reported as general psychiatry in 2004)
- ◆ Three practices failed to return the survey and were unable to be reached after repeated attempts.
- ◆ Only practices that were included in the CVAHEC provider database as of January 1, 2005 were sent survey forms.
- ◆ Information provided on the survey was self-reported and was not further verified in its entirety. Therefore, any data included in this report is subject to the usual limitations associated with the use of self-reported, mailed surveys.
- ◆ Any practice or personnel changes included on the returned surveys that were set to take place after April 1, 2005 are not included here.
- ◆ Obstetrics and gynecology (Ob/Gyn) includes providers who reported a solely gynecological practice or a solely obstetric practice, along with those who reported working in both obstetrics and gynecology.
- ◆ Only office settings are counted, including private practices, community health centers and hospital outpatient clinics. Any providers that provide strictly hospital work is assumed to be unrelated to the provider's office practice and is not counted here.
- ◆ Recommended full time equivalencies per 100,000 population ratios are based on data supplied by the Graduate Medical Education National Advisory Committee (GMENAC). This data is approximately 25 years old. To our knowledge, nothing more current was available at the time of this report's publication.
- ◆ Psychiatry FTEs are not gathered or calculated for this report.

Survey Definitions

Estimated 2004 Population:

The Census Bureau's Population Estimates Program provides these population figures. The figures are created by starting with the base populations from either Census 2000 or the revised population estimate for the most recent year and then adding or subtracting the demographic components of population change calculated for the time period. These estimates are used in federal funding allocations, as denominators for vital rates and per capita time series, as survey controls, and in monitoring recent demographic changes.

Federally Qualified Health Center (FQHC):

According to the Centers for Medicare and Medicaid Services (CMS), Federally Qualified Health Centers (FQHCs) are facilities or programs more commonly known as Community Health Centers, Migrant Health Centers, and Health Care for the Homeless Programs. An entity may qualify as an FQHC if it is receiving a grant under the Public Health Service (PHS) Act and was treated as a federally funded health center as of January 1, 1990; or is an outpatient health program or facility operated by a tribe or tribal organization under the Indian Self-Determination Act or by an urban Indian organization receiving funds under title V of the Indian Health Care Improvement Act as of October 1, 1991.

Full Time Equivalency (FTE):

A full time equivalency is defined as 40 (or more) hours/week, 48 weeks/year. No one person can be more than one FTE. FTEs for a single clinician can also be allocated among multiple locations for clinicians practicing at multiple sites. To obtain the full time equivalency for a physician (MD, DO), the total in-office patient hours are multiplied by the appropriate adjustment factor for his/her discipline as provided by the federal Department of Health and Human Services (see below) and then divided by 40.

- Family Medicine: 1.4
- Internal Medicine: 1.8
- OB/GYN: 1.9
- Pediatrics 1.4

To obtain the FTE for midlevel providers, in-office patient hours are divided by 40 (no upward adjustment is made for these providers). FTEs for psychiatry are not included in this report.

Survey Definitions

Health Professional Shortage Area (HPSA) and Medically Underserved Area (MUA):

According to the Health Resources & Services Administration (HRSA), Health Professional Shortage Areas (HPSAs) and Medically Underserved Areas (MUAs), established under the U.S. Public Health Service Act, are federal designations of a geographic area (usually a county or a collection of townships or census tracts), which meet the criteria as needing additional primary health care services. Factors considered in the designation process are the availability of primary care resources in contiguous areas and the presence of unusually high need, such as high infant mortality rate or high poverty rate. HPSA designations usually apply to geographic areas, but may apply to population groups and facilities.

Midlevel Provider:

Any medical professional holding a valid degree and licensure as a physician assistant (PA), nurse practitioner (NP) and/or certified nurse midwife (CNM).

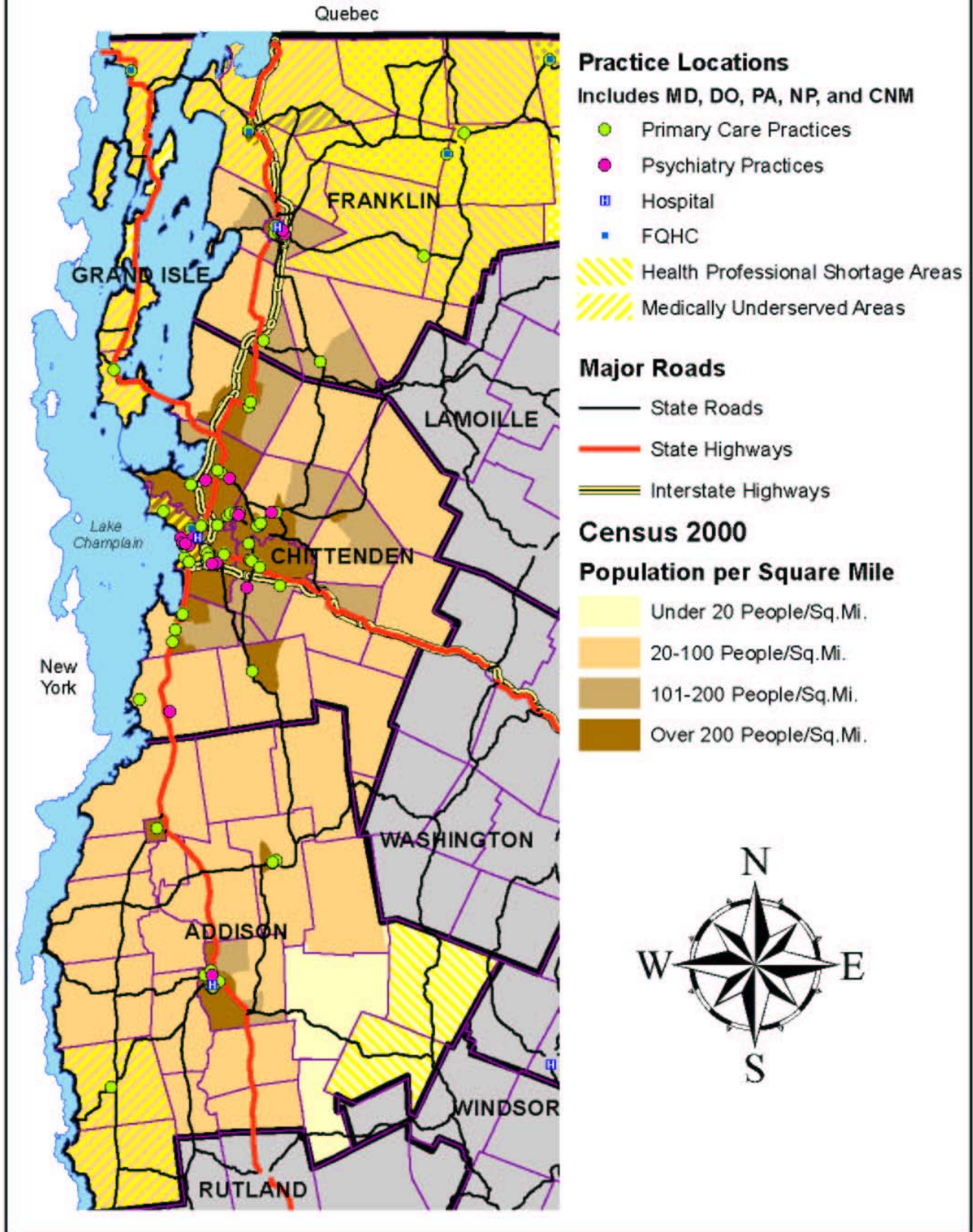
Physician:

Any medical professional holding a valid degree and licensure as a medical doctor (MD) or doctor of osteopathy (DO).

Primary Care Provider:

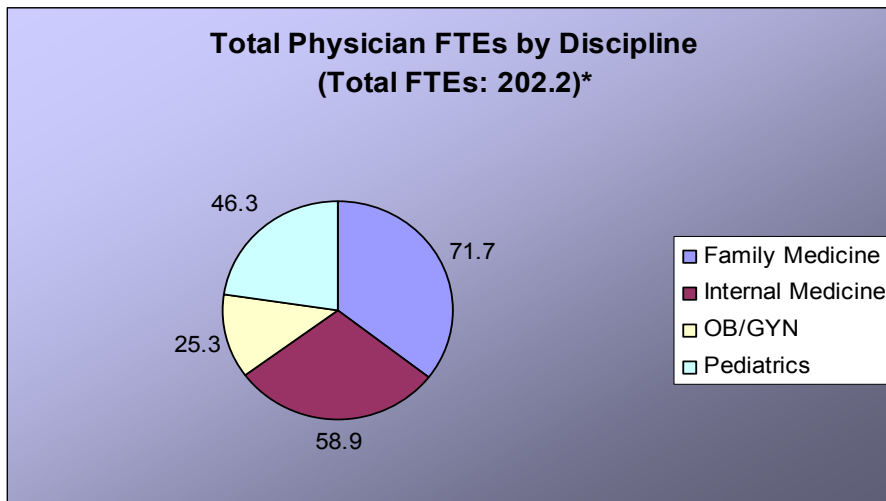
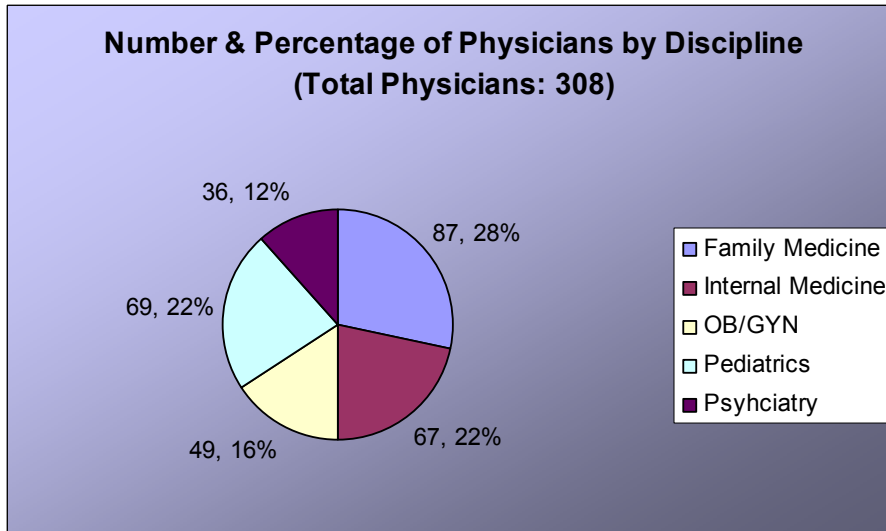
Any medical professional with whom a patient has initial contact and by whom the patient may be referred to a specialist for further treatment. For the purposes of this report, primary care providers include physicians (MD and DO), nurse practitioners (NP), physician assistants (PA) and certified nurse midwives (CNM) who practice in the disciplines of family medicine (FM), internal medicine (IM), obstetrics and gynecology (Ob/Gyn), pediatrics (Peds) and psychiatry.

2005 Primary Care Survey Addison, Chittenden, Franklin & Grand Isle Counties

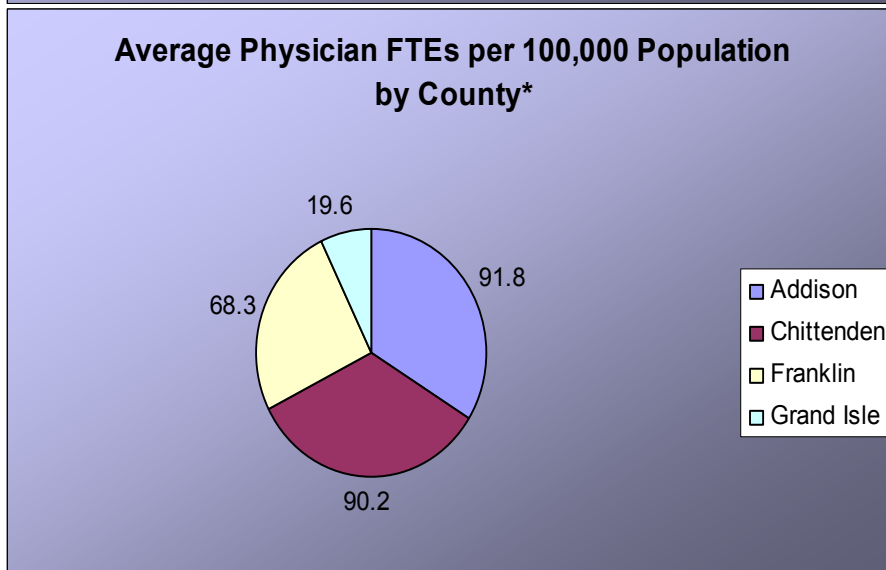


Summary – Champlain Valley Region Physicians

Estimated 2004 Champlain Valley Population: 241,350

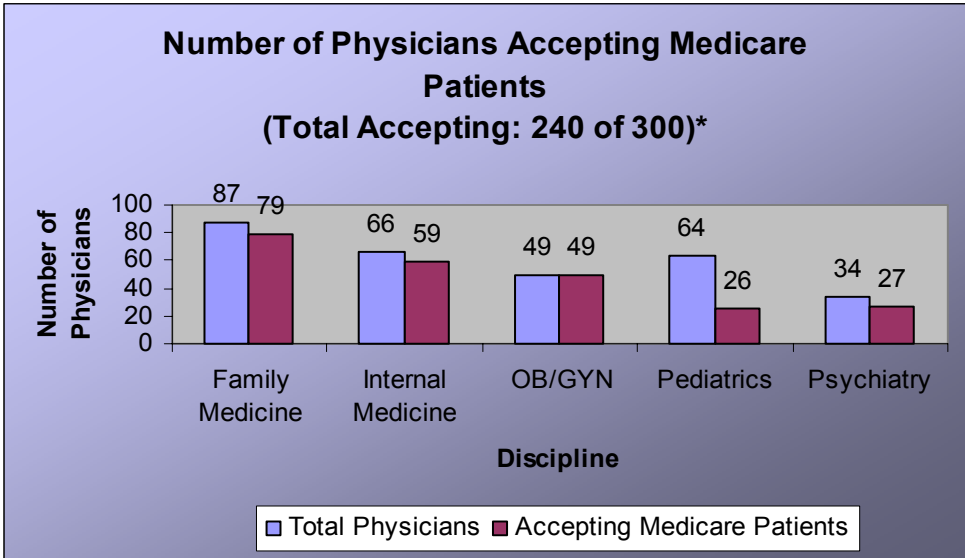
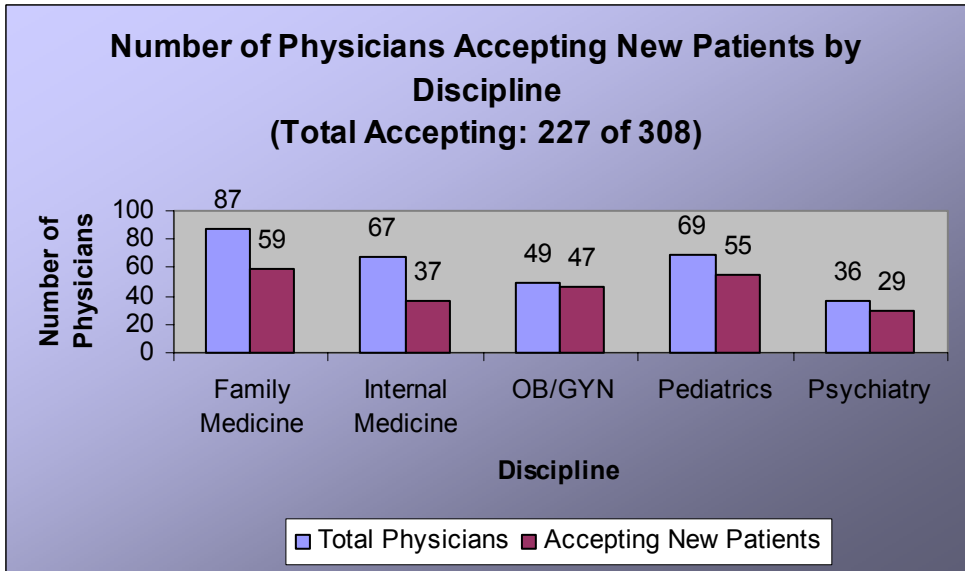


*These figures do not include one per diem provider in internal medicine, 21 providers from three OB/GYN practices that failed to report in-office patient hours and seven per diem pediatric providers.

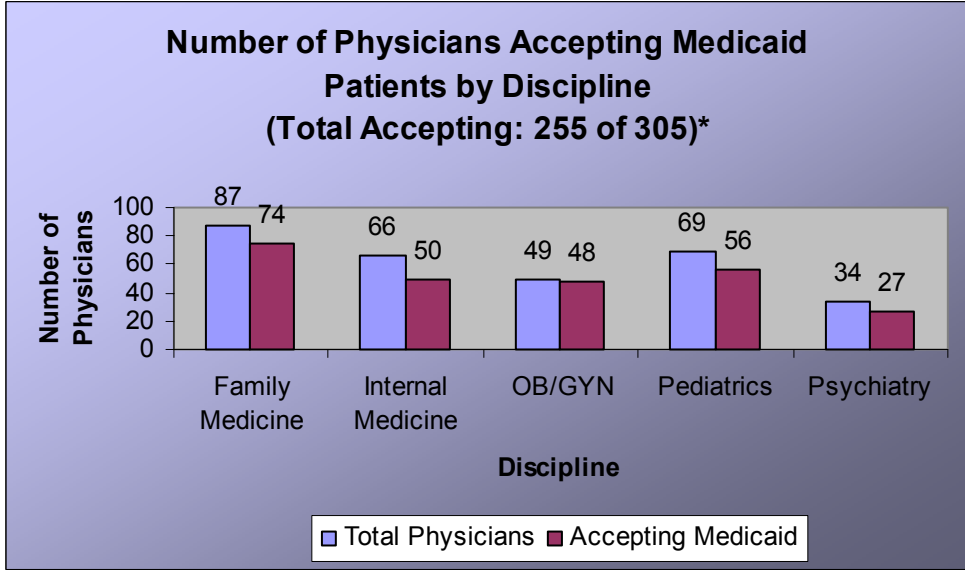


*These figures do not include one per diem provider in internal medicine, 21 providers from three OB/GYN practices that failed to report in-office patient hours and seven per diem pediatric providers.

Summary – Champlain Valley Region Physicians



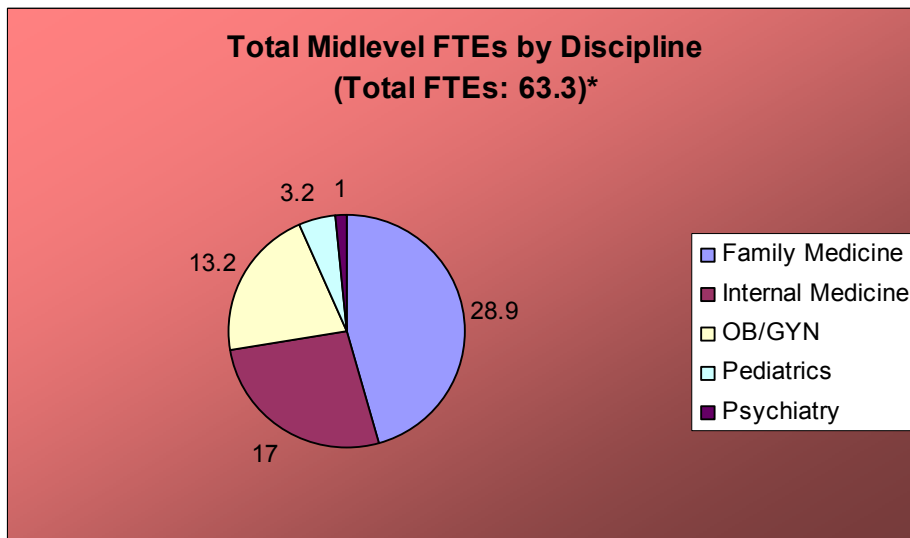
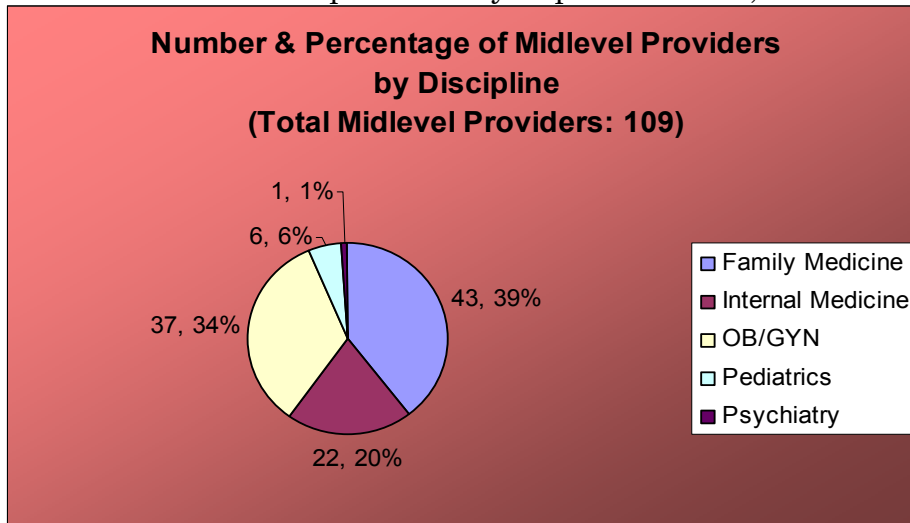
*Eight physicians did not answer this question (one in internal medicine, five in pediatrics and two in psychiatry).



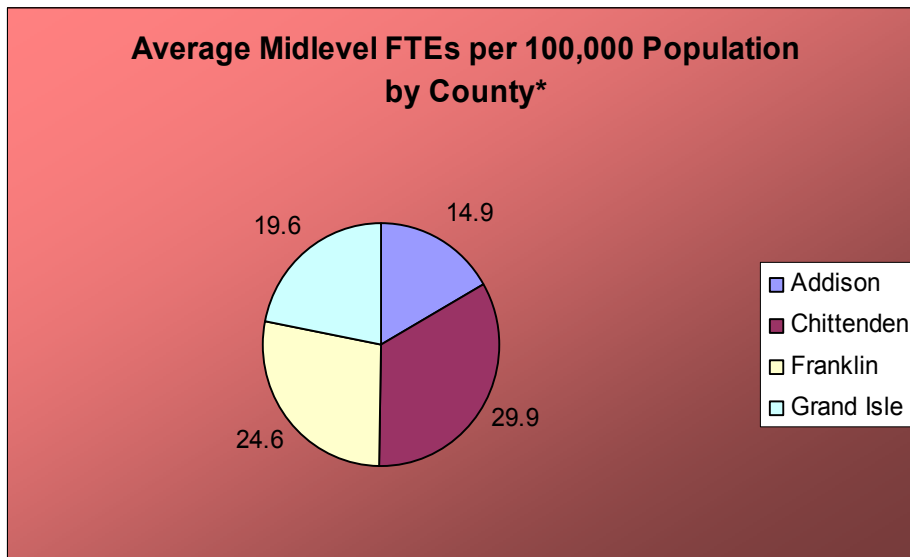
*Three physicians did not answer this question (one in internal medicine and two in psychiatry).

Summary – Champlain Valley Region Midlevel Providers

Estimated 2004 Champlain Valley Population: 241,350

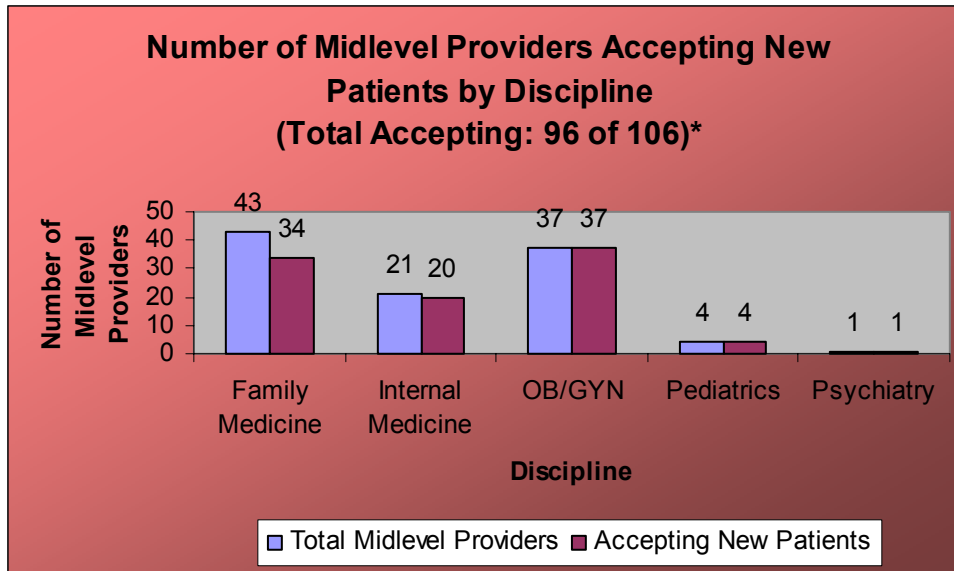


*These figures do not include three per diem NPs and four NPs in Ob/Gyn that did not report in-office patient hours.

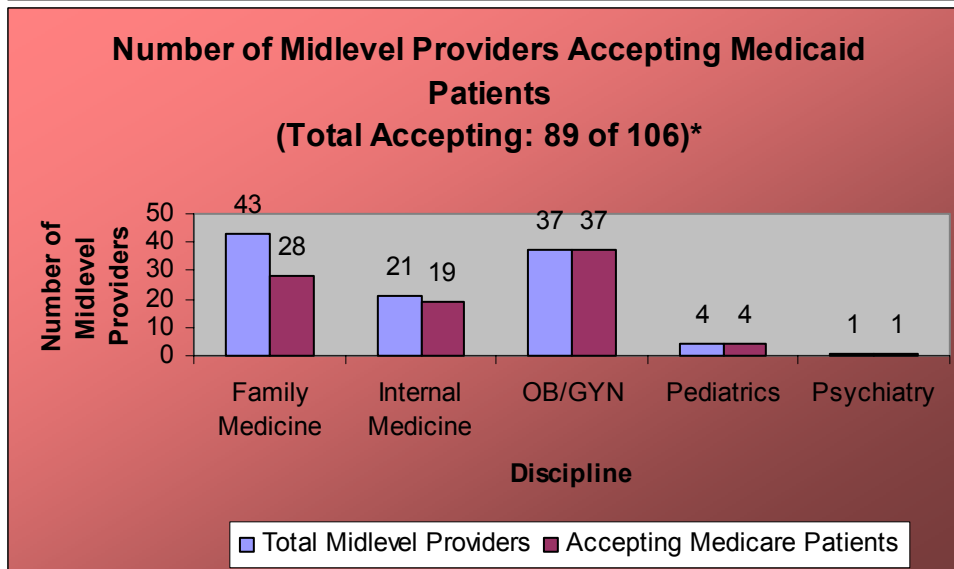


*These figures do not include three per diem NPs and four NPs in Ob/Gyn that did not report in-office patient hours.

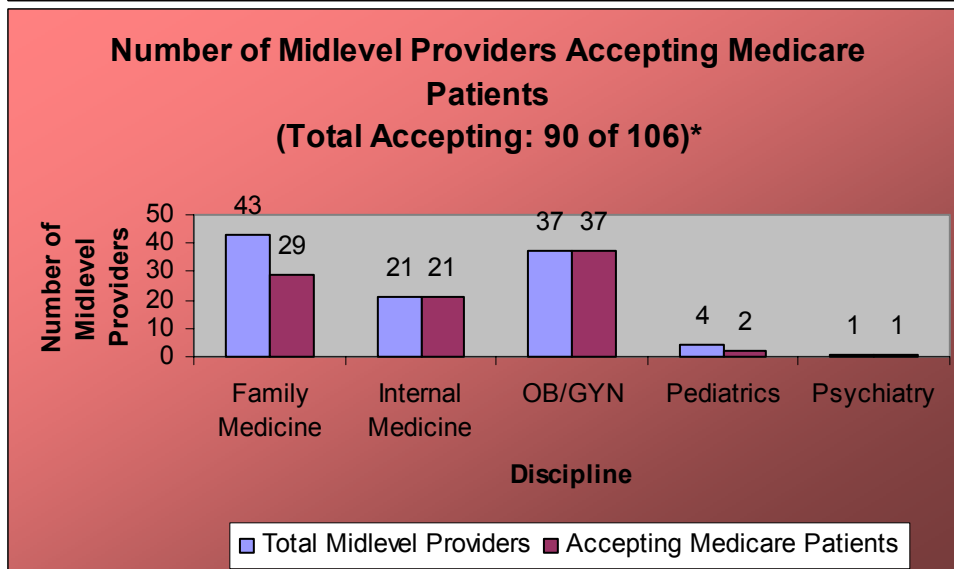
Summary – Champlain Valley Region Midlevel Providers



*These figures do not include three midlevel providers that did not answer this question (one in internal medicine and two in pediatrics).



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*These figures do not include three midlevel providers that did not answer this question (one in internal medicine and two in pediatrics).

Primary Care Survey 2005 – Addison County

Estimated 2004 Population: 36,865

Continuing Education Areas of Need and/or Interest

Providers from Addison County listed the following topics as areas of continuing education need and/or interest.

- Emergency preparedness, free medications for uninsured patients (5), health literacy (3), pediatric topics.

Table 1: Number of Physicians Accepting New Patients, Medicare and Medicaid Patients in Addison County

Discipline	Total Physicians	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
Family Medicine	19	11	19	19
Internal Medicine	5	3	5	4
Ob/Gyn	4	4	4	3
Pediatrics	10	10	1	10
TOTAL:	38	28 (74%)	29 (76%)	36 (95%)
Psychiatry	2	2 (100%)	2 (100%)	2 (100%)

Table 2: Number and Full Time Equivalencies for Physicians by Discipline in Addison County

Discipline	Number of Physicians	Actual Physician FTEs	Average FTEs per 100,000 population	Recommended FTEs per 100,000 population
Family Medicine	19	17.0	46.1	32.5
Internal Medicine	5	5.0	13.6	28.1
Ob/Gyn	4	4.0	10.9	9.2
Pediatrics	10	7.8	21.2	10.7
TOTAL:	38	33.8	91.8	80.5
Psychiatry	2	N/A	N/A	N/A

Table 3: Number of Physicians by Town and Discipline in Addison County

Addison County	FM	IM	Ob/Gyn	Peds	Total	Psychiatry
Bristol	4	1	0	1	6	0
Middlebury	11	3	4	9	27	2
Shoreham	0	1	0	0	1	0
Vergennes	4	0	0	0	4	0
TOTAL:	19	5	4	10	38	2

Table 4: Number and Full Time Equivalencies for Midlevel Providers by Discipline in Addison County

Discipline	Number of Midlevel Providers	Actual Midlevel Provider FTEs	Average Midlevel FTEs per 100,000 population	Recommended Midlevel FTEs per 100,000 population
Family Medicine	6	4.8	13.0	10.8
Internal Medicine	0	0	0	9.4
Ob/Gyn	2	.7	1.9	3.1
Pediatrics	0	0	0	3.6
TOTAL:	8	5.5	14.9	26.9
Psychiatry	0	N/A	N/A	N/A

Table 5: Number of Midlevel Providers by Town and Degree in Addison County

Addison County	PA	NP	CNM	Total
Bristol	0	1	0	1
Middlebury	0	5	0	5
Shoreham	0	0	0	0
Vergennes	2	0	0	2
TOTAL:	2	6	0	8

Table 6: Number of Midlevel Providers by Degree Accepting New Patients, Medicare and Medicaid Patients in Addison County

Discipline	Total	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
NP	6	4	6	6
PA	2	2	2	2
CNM	0	N/A	N/A	N/A
TOTAL:	8	6 (75%)	8 (100%)	8 (100%)

Primary Care Survey 2005 – Chittenden County

Estimated 2004 Population: 149,286

Continuing Education Areas of Need and/or Interest

Providers from Chittenden County listed the following topics as areas of continuing education need and/or interest.

- Cultural competency (4), emergency preparedness (9), free medications for uninsured patients (15), health literacy (10), special health needs of children and youth, developmental and behavioral pediatrics, mental health issues.

Table 7: Number of Physicians Accepting/Not Accepting New Patients in Chittenden County

Discipline	Total Physicians	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
Family Medicine	54	35	47	42
Internal Medicine	52	25	45*	39*
Ob/Gyn	40	38	40	40
Pediatrics	46	33	17**	33
TOTAL:	192	131 (68%)	149 (78%)	154 (81%)
Psychiatry	31	24 (77%)	22 (76%)***	22 (76%)***

*This figure does not include one internal medicine physician that did not answer this question.

**This figure does not include one pediatrician that did not answer this question.

***This figure does not include two psychiatrists that did not answer this question.

Table 8 Number and Full Time Equivalencies for Physicians by Discipline in Chittenden County

Discipline	Number of Physicians	Actual Physician FTEs	Average FTEs per 100,000 population	Recommended FTEs per 100,000 population
Family Medicine	54	43.1	28.9	32.5
Internal Medicine	52	45.6	30.6	28.1
Ob/Gyn	40	17.5*	11.7	9.2
Pediatrics	46	28.2**	19.0	10.7
TOTAL:	192	134.4	90.2	80.5
Psychiatry	31	N/A	N/A	N/A

*This figure does not include 21 providers from three practices that failed to report their in-office patient hours. **This figure does not include seven per diem providers.

Table 9: Number of Physicians by Town and Discipline in Chittenden County

Chittenden County	FM	IM	Ob/Gyn	Peds	Total	Psychiatry
Burlington	11	19	30	14	74	22
Charlotte	2	0	0	0	2	1
Colchester	8	2	0	1	11	2
Essex Junction	3	8	6	6	23	2
Hinesburg	2	0	0	0	2	0
Milton	9	0	0	1	10	0
Shelburne	0	5	0	1	6	0
South Burlington	6	13	2	12	33	2
Williston	11	5	2	11	29	2
Winooski	2	0	0	0	2	0
TOTAL:	54	52	40	46	192	31

Table 10: Number and Full Time Equivalencies for Midlevel Providers by Discipline in Chittenden County

Discipline	Number of Midlevel Providers	Actual Midlevel Provider FTEs	Average Midlevel FTEs per 100,000 population	Recommended Midlevel FTEs per 100,000 population
Family Medicine	29	17.5	11.7	10.8
Internal Medicine	17	12.2	8.2	9.4
Ob/Gyn	34	11.7*	7.8	3.1
Pediatrics	6	3.2	2.2	3.6
TOTAL:	86	44.6	29.9	26.9
Psychiatry	0	N/A	N/A	N/A

**This figure does not include three per diem NPs and four NPs that did not report in-office patient hours.*

Table 11: Number of Midlevel Providers by Town and Degree in Chittenden County

Chittenden County	PA	NP	CNM	Total
Burlington	11	21	8	40
Charlotte	0	1	0	1
Colchester	3	7	0	10
Essex Junction	0	5	1	6
Hinesburg	0	1	0	1
Milton	0	1	0	1
Shelburne	0	1	0	1
South Burlington	2	6	0	8
Williston	5	5	7	17
Winooski	0	1	0	1
TOTAL:	21	49	16	86

Table 12: Number of Midlevel Providers by Degree Accepting New Patients, Medicare and Medicaid Patients in Chittenden County

Discipline	Total	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
NP	49	40	33	32
PA	21	19	18	17
CNM	16	16	16	16
TOTAL:	86	75 (87%)	67 (78%)	65 (76%)

Primary Care Survey 2005 - Franklin County

Estimated 2004 Population: 47,556

Continuing Education Areas of Need and/or Interest

Providers from Franklin County listed the following topics as areas of continuing education need and/or interest.

- Cultural competency (2), emergency preparedness (4), free medications for uninsured patients (8), health literacy (3), geriatric psychiatry.

Table 13: Number of Physicians Accepting New Patients, Medicare and Medicaid Patients in Franklin County

Discipline	Total Physicians	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
Family Medicine	13	12	12	12
Internal Medicine	9	8	8	6
Ob/Gyn	5	5	5	5
Pediatrics	12	11	11	12
TOTAL:	39	36 (92%)	36 (92%)	35 (90%)
Psychiatry	3	3 (100%)	3 (100%)	3 (100%)

Table 14: Number and Full Time Equivalencies for Physicians by Discipline in Franklin County

Discipline	Number of Physicians	Actual Physician FTEs	Average FTEs per 100,000 population	Recommended FTEs per 100,000 population
Family Medicine	13	10.6	22.3	32.5
Internal Medicine	9	8.1	17.0	28.1
Ob/Gyn	5	3.8	8.0	9.2
Pediatrics	12	10.0	21.0	10.7
TOTAL:	39	32.5	68.3	80.5
Psychiatry	3	N/A	N/A	N/A

Table 15: Number of Physicians by Town and Discipline in Franklin County

Franklin County	FM	IM	Ob/Gyn	Peds	Total	Psychiatry
Enosburg Falls	4	1	1	2	8	0
East Fairfield	0	0	0	2	2	0
Fairfax	3	2	0	0	5	0
Richford	1	1	0	0	2	0
St. Albans	4	4	4	8	20	3
Swanton	1	1	0	0	2	0
TOTAL:	13	9	5	12	39	3

Table 16: Number and Full Time Equivalencies for Midlevel Providers by Discipline in Franklin County

Discipline	Number of Midlevel Providers	Actual Midlevel Provider FTEs	Average Midlevel FTEs per 100,000 population	Recommended Midlevel FTEs per 100,000 population
Family Medicine	7	6.1	12.8	10.8
Internal Medicine	4	3.8	8.0	9.4
Ob/Gyn	1	.8	1.7	3.1
Pediatrics	0	0	0	3.6
TOTAL:	12	10.7	22.5	26.9
Psychiatry	1	1	2.1	N/A

Table 17: Number of Midlevel Providers by Town and Degree in Franklin County

Franklin County	PA	NP	CNM	Total
Enosburg Falls	1	1	0	2
East Fairfield	0	0	0	0
Fairfax	2	1	0	3
Richford	2	0	0	2
St. Albans	2	2	0	4
Swanton	2	0	0	2
TOTAL:	9	4	0	13

Table 18: Number of Midlevel Providers by Degree Accepting New Patients, Medicare and Medicaid Patients in Franklin County

Discipline	Total	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
NP	4	4	4	4
PA	9	9	9	9
CNM	0	N/A	N/A	N/A
TOTAL:	13	13 (100%)	13 (100%)	13 (100%)

Primary Care Survey 2005 - Grand Isle County

Estimated 2004 Population: 7,643

Continuing Education Areas of Need and/or Interest

Providers from Grand Isle County listed the following topic as an area of continuing education need and/or interest.

- Free medication for uninsured patients.

Table 19: Number of Physicians Accepting New Patients, Medicare and Medicaid in Grand Isle County

Discipline	Total Physicians	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
Family Medicine	1	1	1	1
Internal Medicine	1	1	1	1
Ob/Gyn	0	0	0	0
Pediatrics	1	1	1	1
TOTAL:	3	3 (100%)	3 (100%)	3 (100%)
Psychiatry	0	N/A	N/A	N/A

Table 20: Number and Full Time Equivalencies for Physicians by Discipline in Grand Isle County

Discipline	Number of Physicians	Actual Physician FTEs	Average FTEs per 100,000 population	Recommended FTEs per 100,000 population
Family Medicine	1	1.0	13.1	32.5
Internal Medicine	1	.2	2.6	28.1
Ob/Gyn	0	0	0	9.2
Pediatrics	1	.3	3.9	10.7
TOTAL:	3	1.5	19.6	80.5
Psychiatry	0	N/A	N/A	N/A

Table 21: Number of Physicians by Town and Discipline in Grand Isle County

Grand Isle County	FM	IM	Ob/Gyn	Peds	Total	Psychiatry
Alburg	0	1	0	1	2	0
South Hero	1	0	0	0	1	0
TOTAL:	1	1	0	1	3	0

Table 22: Number and Full Time Equivalencies for Midlevel Providers by Discipline in Grand Isle County

Discipline	Number of Midlevel Providers	Actual Midlevel Provider FTEs	Average Midlevel FTEs per 100,000 population	Recommended Midlevel FTEs per 100,000 population
Family Medicine	1	.5	6.6	10.8
Internal Medicine	1	1.0	13.1	9.4
Ob/Gyn	0	0	0	3.1
Pediatrics	0	0	0	3.6
TOTAL:	2	1.5	19.7	26.9
Psychiatry	0	N/A	N/A	N/A

Table 23: Number of Midlevel Providers by Town and Degree in Grand Isle County

Grand Isle County	PA	NP	CNM	Total
Alburg	1	0	0	1
South Hero	0	1	0	1
TOTAL:	1	1	0	2

Table 24: Number of Midlevel Providers by Degree Accepting New Patients, Medicare and Medicaid Patients in Grand Isle County

Discipline	Total	Accepting New Patients	Accepting Medicare Patients	Accepting Medicaid Patients
NP	1	1	1	1
PA	1	1	1	1
CNM	0	N/A	N/A	N/A
TOTAL:	2 (100%)	2 (100%)	2 (100%)	2 (100%)

Primary Care Survey Form 2005

Practice Name: **SAMPLE**
 Mailing Address: Address _____
 City _____ Sta _____ Zip _____
 County: **Chittenden**
 Telephone Number: **(802) 555-1212** Fax #: _____
 Practice Manager: **Eileen Sample, MD**
 Practice Manager Email Address: _____

Practitioner Name	Degree <small>(MD DO PA NP CNM)</small>	Specialty	# of In Office Patient Hours	Accepting New Patients?		Accepting Medicare Patients?		Accepting Medicaid Patients?	
				Yes	No	Yes	No	Yes	No
Eileen Sample	MD	Internal Medicine	____ hrs/week	Yes	No	Yes	No	Yes	No
_____	_____	_____	____ hrs/week	Yes	No	Yes	No	Yes	No
_____	_____	_____	____ hrs/week	Yes	No	Yes	No	Yes	No

Practice Hours

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Days Practice Open (Check all that apply)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Office Hours (e.g. 8:00 a.m. - 4:30 p.m.)						

Practice Information

Hospital Affiliation(s) _____
 # of Staff Members: ___ RN ___ LPN ___ LNA ___ Administrative ___ Other
 Nursing Home Visits? ___ Yes ___ No
 Home Visits? ___ Yes ___ No Age of Practice? _____
 Continuing Education (Please check areas of need and/or interest):
 ___ Cultural Competency ___ Health Literacy ___ Other: _____
 ___ Emergency Preparedness ___ Free Medications for Uninsured Patients
 Signature: _____ Date: _____

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SAMPLE Deborah Eckert