

MEMORANDUM

To: Board of Regents
From: Board Office
Subject: Annual Report on the Statewide Family Practice Training Program
Date: March 31, 2003

Recommended Action: Receive the report on the Statewide Family Practice Training Program.

Executive Summary: The Statewide Family Practice Training Program provides opportunities for newly graduated physicians to continue their training through community-based residencies in family practice. Each of the eight training sites in seven Iowa communities consists of a model family practice office in which the residents train under the supervision of clinical instructors who already practice in the community.

Key statistics for the reporting year of 2001-2002 are:

- Current number of residents enrolled: 145
 - Residents completing program this year: 48
 - Number of patients visits: 195,000
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Community-Based Residencies

Resident physicians train in community-based settings in seven regions of Iowa. During the past 28 years, three out of every five graduates of the program have established their practice in Iowa communities. Forty-five percent of the graduates who selected Iowa sites have chosen communities with populations under 10,000. One-fourth of the graduates have located in the metropolitan areas where the training programs are based.

Revenues and Expenses

During 2001-2002, the state appropriation of \$2,261,623 was 6.2% of the \$36,396,564 revenue used to support the program. In 2000-2001, the state appropriation was 6.8% of program revenue. The primary sources of income are from patient fees and the support provided by the community hospitals that sponsor each of the training programs.

Actual expenses for the program in 2001-2002 totaled \$36,066,790, of which 52% was for overhead and general expenses to operate the model clinics, 29% was used to pay faculty, and 19% was used to pay residents.

Link to Strategic Plan:

This report addresses the following strategies and action steps in the Board's Strategic Plan:

- Strategy 1.1.4.0 Strengthen research, creative work, and service by the Regent institutions.
- Action Step 1.1.4.3 Each institution increase its service to lowans, the nation, and the world.
- Strategy 2.2.2.0 Recognize the need of all lowans for access to services provided by Regent institutions including health care services, extension, and services provided by the special schools.
- Action Step 2.2.2.7 Encourage development of strategic alliances to increase access to services as measured by annual reports of individuals served.
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Background:

Statewide Family Practice Training Program Established

In 1973, Iowa Code §148D.2 established a statewide medical education system for the purpose of training resident physicians in family practice. The dean of the College of Medicine at the University of Iowa was assigned responsibility for developing and expanding a network of residency programs in cooperation with the medical profession and community hospitals throughout the state. In addition to oversight, the University of Iowa provides educational and technical support to the individual sites, all of which are affiliated with the University of Iowa.

Analysis:

Operation of Program

The program operates in 11 regional hospitals in seven cities within the state, as shown on the following page and on page 6. Each site provides a model medical office that serves as the base for training activities.

During 2001-2002, University of Iowa College of Medicine faculty conducted more than 100 teaching visits to these sites to supplement instruction provided by full-time residency faculty and volunteer community physicians. The family practice centers experienced more than 195,000 patient visits during the year.

**Cities, Sites, and Participating Hospitals and Centers
In the Statewide Family Practice Residency Training Program**

CITY	SPONSOR
Cedar Rapids	✓ Mercy Medical Center ✓ St. Luke's Hospital
Davenport	✓ Genesis Medical Center
Des Moines (2 programs)	✓ Broadlawns Medical Center ✓ Iowa Lutheran Hospital
Iowa City	✓ University of Iowa Hospitals and Clinics
Mason City	✓ Mercy Medical Center – North Iowa
Sioux City	✓ Mercy Medical Center – Sioux City ✓ St. Luke's Regional Medical Center
Waterloo	✓ Allen Memorial Hospital ✓ Covenant Medical Center

Number of
Residents

During the current reporting year, there are 145 residents in the Family Practice Program. This represents a decrease of 8 residents from the prior year. The decrease in enrollment over the past several years is due to the following factors:

- ✱ The rate of medical graduates choosing family practice careers has declined across the nation.
- ✱ The College of Medicine administration has promoted enrollment management to the sponsoring hospitals to reduce the likelihood of vacant positions.
- ✱ There was a loss of training positions due to the closing of one of the sponsoring hospitals, Metropolitan Medical Center in Des Moines.

Participant
Characteristics

Some characteristics about participants in the program include:

- ✱ Fifty-seven residents (39.3%) are female. There was a decrease of eight woman residents from last year, or 3.2%.
- ✱ Eighty-eight residents (60.7%) are male, the same number as last year.
- ✱ There are 96 residents (66.2%) who possess medical doctorates (M.D.) and 49 residents (33.8%) who possess doctor of osteopathic medicine degrees (D.O.). The number of osteopathic residents remained the same as last year.
- ✱ Ninety-two residents (63.4%) are graduates of Iowa medical schools; 53 residents (36.6%) are graduates of non-Iowa medical schools.
- ✱ Data illustrating the age cohorts of current Family Practice physicians in Iowa is found on page 15. Eight percent of the physicians are age 60 and over.
- ✱ Seventeen residents (11.7%) are members of racial or ethnic minority groups:
 - ✓ One (5.9%) is African-American;
 - ✓ Nine (52.9%) are Asian-American;
 - ✓ Five (29.4%) are Hispanic-American; and
 - ✓ Two (11.8%) are Native American.

Program
Applicants

There were six applicants for each first-year position in the Iowa statewide program. Residents enrolled in the program represent 32 medical schools from across the nation. Their training in an Iowa residency program substantially increases the likelihood that the non-Iowa medical graduates will establish their practice in Iowa.

Residency
Graduates

Fifty-eight percent of the 2002 residency graduates of this program established their first practice in Iowa. Currently, 696 graduates of the family practice residency program practice in Iowa. Of that number, 527 (75.7%) graduated from Iowa medical schools and 169 (24.3%) graduated from non-Iowa medical schools.

Forty-five percent of the graduates of the program have established practices in cities with populations under 10,000 people. In 2003, there will be 48 residents who will complete their training and look for sites in which to establish their practice.

The distribution of family practice graduates practicing in Iowa is shown on page 7.

Total Expenses Total expenses in 2001-2002 were \$36,066,790. Fifty-two percent of the cost of the program was to support the overhead of the training centers and other general expenses associated with the program. Nineteen percent of the cost was to pay the residents and 30% of the cost was to pay the faculty physicians who work with the residents.

Total Program Revenue The total program support for 2001-2002 was \$36,396,564.

- The state appropriation for the program was \$2,261,623, which represents 6.2% of the program revenue. Of that amount, \$1,809,298 was for individual training grants in the program, compared to \$1,968,324 last year. In addition, \$452,325 provided educational support and administrative services, compared to \$492,081 last year.

- The Family Practice Centers generated 45% of the funding for the residency program while the community hospitals contributed 47%.

Annual Report The annual report is included with this memorandum as an attachment, pages 6-15.

Charles R. Kniker
Charles R. Kniker *djh*

Approved: Gregory S. Nichols
Gregory S. Nichols

h/aa/docket/2003/april/gd4

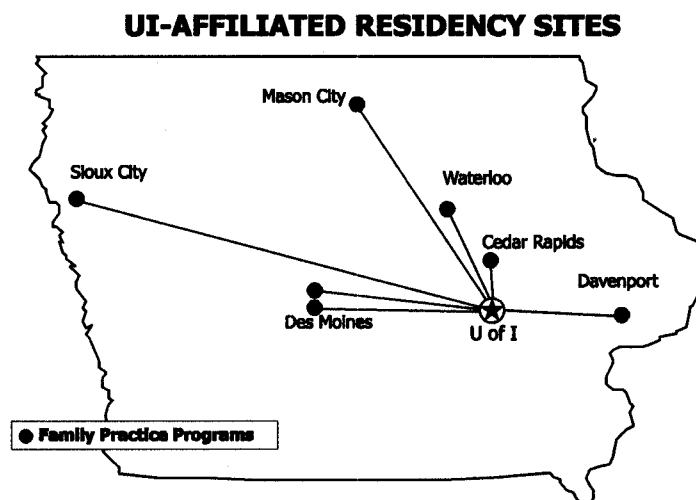
ANNUAL REPORT January 2003 STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

Legislation enabling a statewide network of community-based family practice residency programs was enacted by the legislature in 1973. The Code of Iowa assigns to the Dean of the College of Medicine the responsibility of administering the statewide program, and it asks the College to provide administrative, educational, and technical support to the individual programs, all of which are formally affiliated with The University of Iowa.

PROGRAMS

The statewide program comprises eight family practice residencies in seven Iowa communities: Cedar Rapids, Davenport, Des Moines (2), Iowa City, Mason City, Sioux City, and Waterloo. (See Figure 1).

Figure 1.



ENROLLMENT

The current enrollment across the three years of residency is 145. Forty-eight residents will complete their final year of training in 2003.

STUDENT INTEREST

Six U.S. medical student applications are submitted for each first-year position offered in the statewide program. Residents enrolled in the eight programs represent thirty-two medical colleges. During the past five years, 21% of UI medical graduates have entered family practice residencies, which is well above the national average for USMDs during that same period. Student interest in family practice as a career choice has declined across all US medical schools in recent years. As a result, recruitment of medical students for residency positions is extremely competitive.

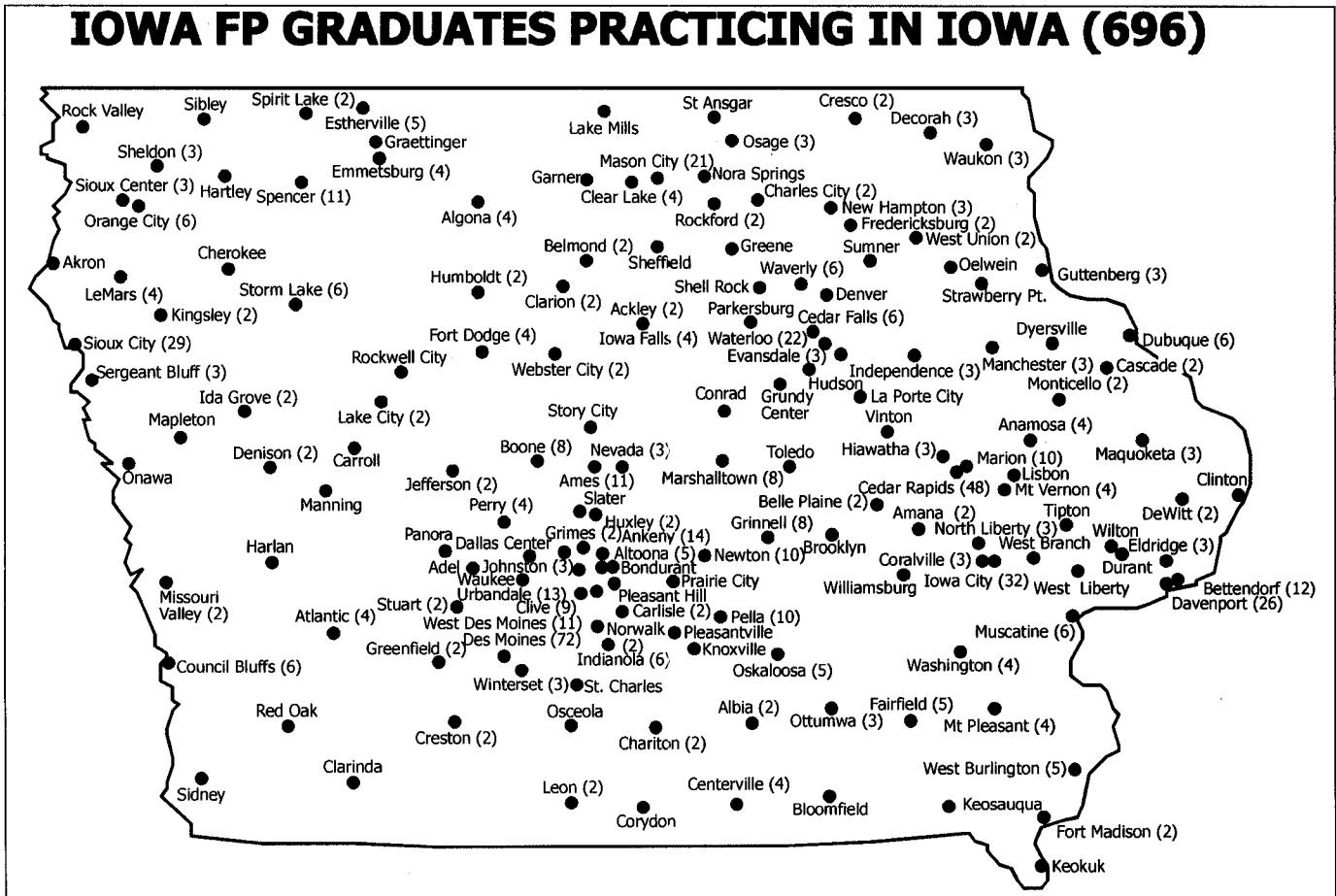
PATIENT CARE

The number of Iowans receiving family medical care at the offices of the family practice training programs has increased significantly over the life of the statewide program. The total number of patient visits at the family practice centers was nearly 195,000 in 2001-02.

PRACTICE LOCATIONS

Fifty-eight percent of the 2002 residency graduates entered practice in Iowa. During the past 28 years, three out of five graduates have entered practice in Iowa. Forty-five percent of the graduates selecting Iowa sites have chosen communities with populations under 10,000. One-fourth have located in the metro areas where the training programs are based. Iowa towns where graduates are currently practicing are shown in Figure 2.

Figure 2.



STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

— Hospital Sponsors —

Program Sites

Cedar Rapids

Davenport

Des Moines (2 programs)

Iowa City

Mason City

Sioux City

Waterloo

Hospital Sponsors

Mercy Medical Center

St. Luke's Hospital

Genesis Medical Center

Broadlawns Medical Center

Iowa Lutheran Hospital

University of Iowa Hospitals and Clinics

Mercy Medical Center – North Iowa

Mercy Medical Center – Sioux City

St. Luke's Regional Medical Center

Allen Memorial Hospital

Covenant Medical Center

RESIDENT SUMMARY

Iowa Family Practice Residency Programs 2002-2003

Program	No. of Residents			Female / Male		Medical School		
	R1	R2	R3	Total	F	M	MD	DO
Broadlawns	8	8	7	23	4	19	5	18
Cedar Rapids	7	4	4	15	7	8	15	0
Davenport	6	5	6	17	11	6	16	1
Iowa Lutheran (DM)	8	8	8	24	11	13	5	19
Mason City	6	6	6	18	5	13	12	6
Sioux City	5	6	5	16	7	9	14	2
Waterloo	4	5	7	16	4	12	13	3
University of Iowa	7	4	5	16	8	8	16	0
Total	51	46	48	145	57	88	96	49
					(39%)	(61%)	(66%)	(34%)

STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

Source of Residents: IA vs. Non-Iowa Colleges 2002-2003

<u>Program</u>	<u>Iowa</u>	<u>Non-Iowa</u>
Broadlawns (DM)	17	6
Cedar Rapids	11	4
Davenport	12	5
Iowa Lutheran (DM)	16	8
Mason City	11	7
Sioux City	4	12
Waterloo	9	7
University of Iowa	<u>12</u>	<u>4</u>
Total	92 (63%)	53 (37%)

STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

Minority Group Enrollment 2002-2003

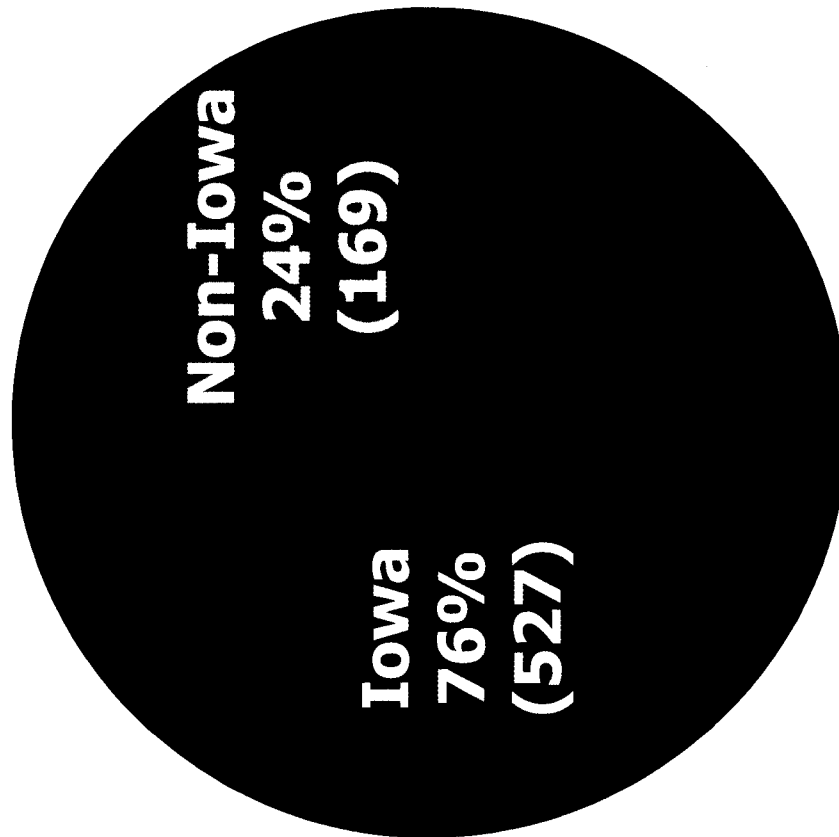
<u>Program</u>	<u>No. of Residents</u>					<u>Program Total</u>
	<u>African American</u>	<u>Asian</u>	<u>Hispanic</u>	<u>Native American</u>		
Broadlawns (DM)	0	0	1	0		1
Cedar Rapids	0	2	1	0		3
Davenport	0	0	1	0		1
Iowa Lutheran (DM)	0	0	0	0		0
Mason City	0	0	0	0		0
Sioux City	0	2	1	1		4
Waterloo	0	3	0	0		3
University of Iowa	<u>1</u>	<u>2</u>	<u>1</u>	<u>1</u>		<u>5</u>
Total	1	9	5	2		17 *

***12% of the total enrollment (17 of 145)**

LOCATION OF MEDICAL COLLEGE EDUCATION

Iowa vs. Non-Iowa Colleges

Graduates of the Statewide Program Currently Practicing in Iowa*

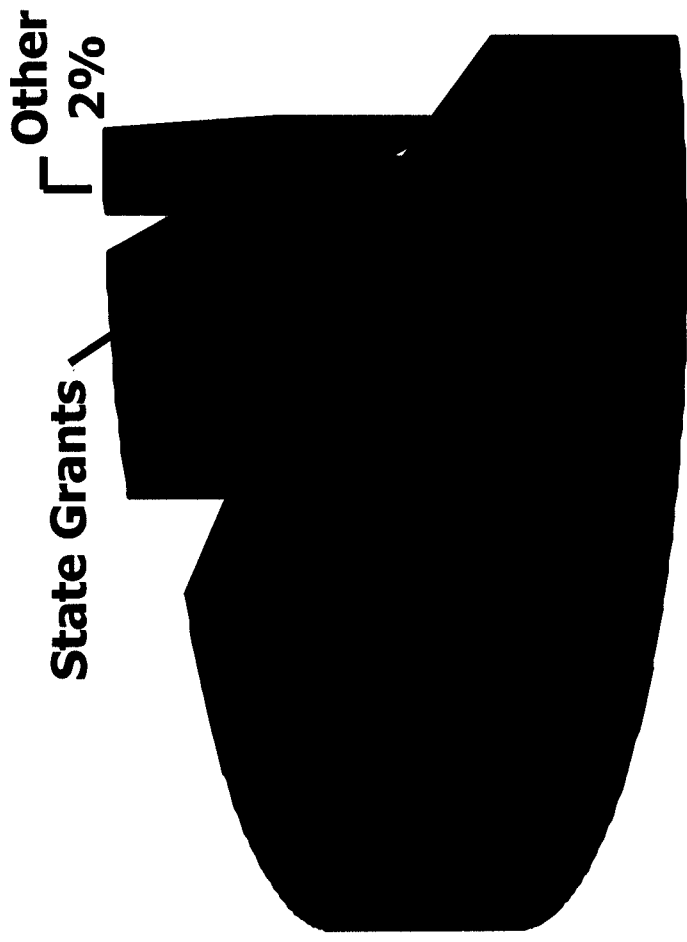


*There are 696 graduates of the Statewide Training Program currently in Iowa.

Office of Statewide Clinical Education Programs, UI Carver College of Medicine, February 2003

STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

Sources of Financial Support



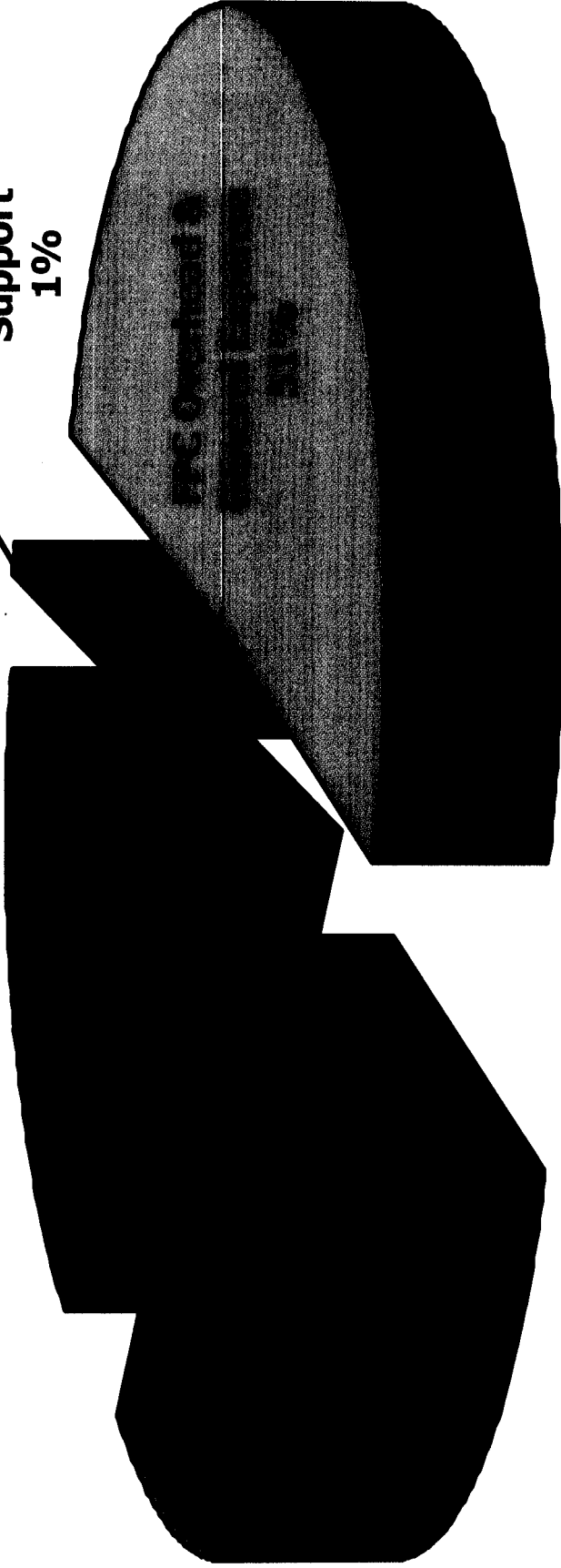
Total Program Support = \$36,396,564
Fiscal Year 01-02

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine, December 2002

STATEWIDE FAMILY PRACTICE TRAINING PROGRAM

Uses of Financial Support

UI Educational
and
Administrative
Support
1%

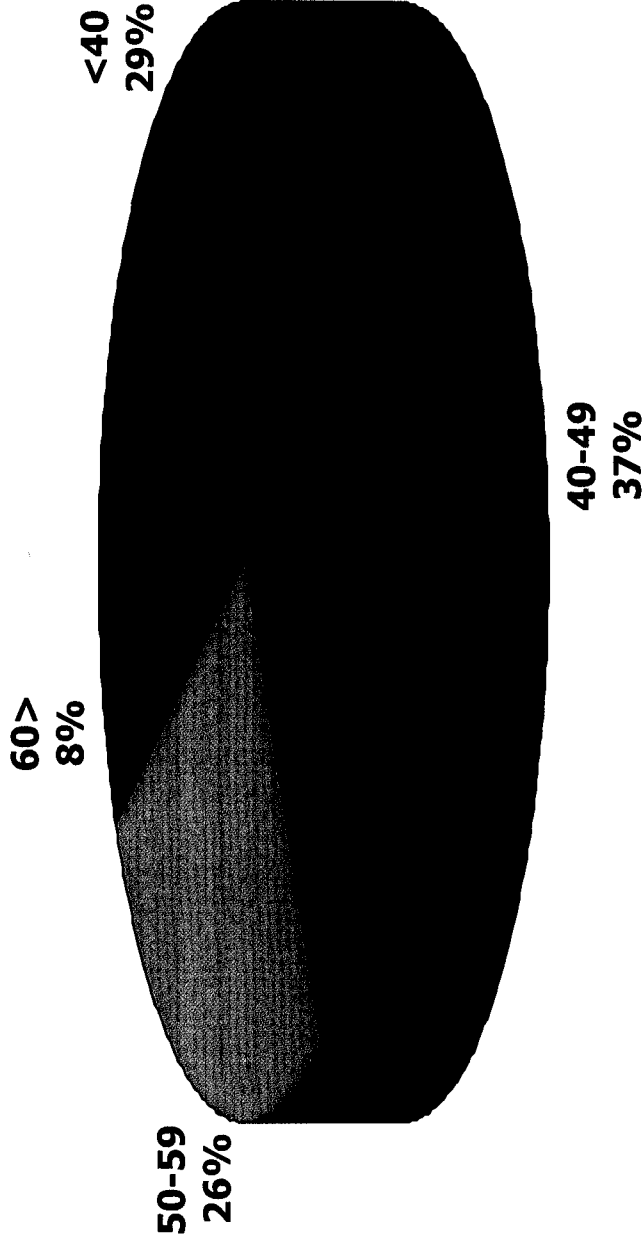


Total Program Expense = \$36,066,790
Fiscal Year 01-02

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine, December 2002

AGE DISTRIBUTION OF IOWA FAMILY PHYSICIANS*

<u>Age Category</u>	<u>No.</u>	<u>%</u>	<u>Cumulative %</u>
< 40	393	29%	29%
40-49	498	37%	66%
50-59	343	26%	92%
> 60	106	8%	100%
	<u>1340</u>	<u>100%</u>	



* Includes residency-trained FPs practicing Emergency Medicine.

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine, December 2002