**OAKLAND
COMMUNITY
COLLEGE**

Health Professions and Technologies
GIS Analysis
July 2001 Through June 2002

Preliminary Report

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The Office of Institutional Research
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Purpose of the Study

The purpose of this study is to present a geographic mapping and analysis of all Health Professions and Technologies (HPT) (formerly Allied Health) students attending OCC from July 2001 to June 2002.

The following 18 disciplines are considered Health Professions and Technologies programs:

- Dental Hygiene
- Diagnostic Medical Sonography
- Electroneurodiagnostic Technology
- Exercise Science and Technology
- Health Care Administration
- Hospital Pharmacy Technology
- Histologic Technology
- Medical Assisting
- Medical Technology
- Massage Therapy
- Nuclear Medicine
- Nursing
- Physical Education and Recreation
- Physical Therapy Assistant
- Radiologic Technology
- Respiratory Therapy
- Radiation Therapy Technology
- Surgical Technology

Methodology

The data used in this study was extracted one-tenth data, highlighting those students who attended OCC between July 2001 and June 2002.

Key Findings

Each map included in this report highlight*s* the geographic locations of five different sets of students involved in this Health Professions and Technologies (HPT) geographic analysis. Listed below are descriptions of each map and key findings, where applicable. Not surprisingly, the most frequently cited residing cities in each map include two or more of the following cities: Detroit, Southfield or Waterford. This finding supports the likelihood of pulling students in these cities as most HPT programs offer courses only at the Southfield or Highland Lakes campuses.

Health Professions and Technologies – All Students in Study *(page 6)*

This map displays the geographic location of all students included in this study: students with a declared HPT curriculum _and_ students who did not declare an HPT curriculum but enrolled in at least one HPT course.

All Students in Study	
Top Cities of Residence	*% of Total Population of Students*
Southfield	7%
Waterford	6%
Detroit	5%

Health Professions and Technologies – All Students with a Declared HPT Curriculum *(page 7)*

Students included in this map are those declaring an HPT curriculum code. This map shows the largest numbers of students residing in southeast Oakland County.

All Students with a Declared HPT Curriculum	
Top Cities of Residence	*% of Students with a Declared HPT Curriculum*
Detroit	8%
Southfield	8%
Waterford	7%

Health Professions and Technologies: All Non-HPT Students *(page 8)*

Students included in this data set are those who did *not* declare an HPT curriculum, but have taken one or more HPT courses during the time period of July 2001 and June 2002. While there are no significant findings, it does appear that many of the students in this group reside in Oakland County.

All Non-HPT Students	
Top Cities of Residence	*% of All Non-HPT Students*
Southfield	7%
Waterford	6%
Troy	6%

Health Professions and Technologies: HPT Students 25 to 35 Years *(page 9)*

This map represents those students who have declared an HPT curriculum and are between 25 and 35 years of age.

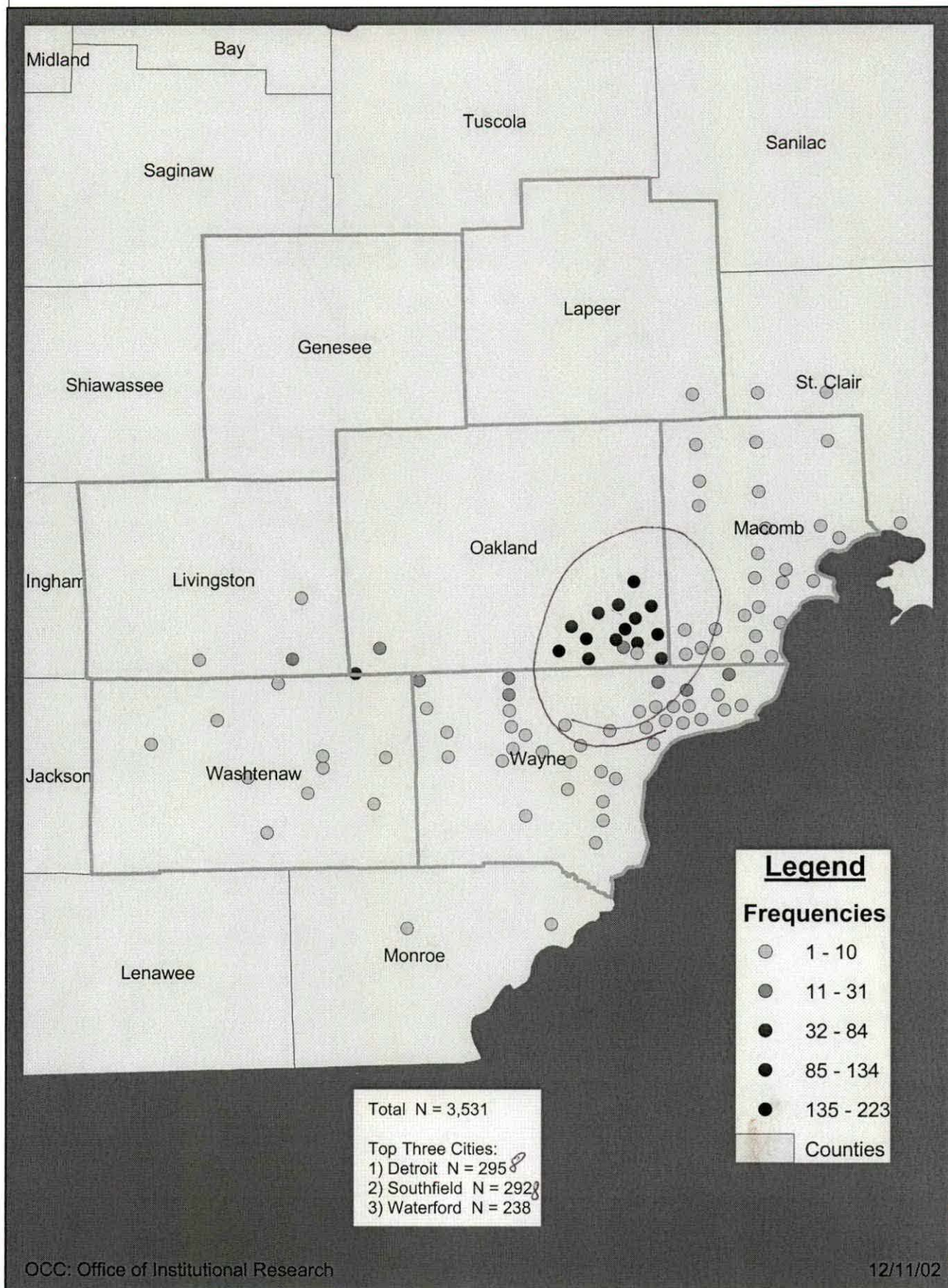| HPT Students 25 to 35 Years	
Top Cities of Residence	*% of HPT Students 25 to 35*
Detroit	10%
Southfield	9%
Pontiac	7%

Health Professions and Technologies: Non-HPT Students 25 to 35 Years *(page 10)*

Illustrating the same age group as the previous map, these students are those who have *not* declared an HPT curriculum, but have taken one or more HPT courses in the study period. There are no generalizations to be drawn from this sample and the student population appears widely dispersed.

HPT Students 25 to 35 Years	
Top Cities of Residence	*% of HPT Students 25 to 35*
Southfield	9%
Waterford	6%
Detroit	6%

Health Professions and Technologies
All Students with a Declared HPT Curriculum
July 2001 Through June 2002

Midland

Bay

Tuscola

Sanilac

Saginaw

Lapeer

Genesee

Shiawassee

St. Clair

Oakland

Macomb

Ingham

Livingston

Jackson

Washtenaw

Wayne

Monroe

Lenawee

Total N = 3,531

Top Three Cities:
1) Detroit N = 295
2) Southfield N = 292
3) Waterford N = 238

Legend

Frequencies

○	1 - 10
◔	11 - 31
●	32 - 84
●	85 - 134
●	135 - 223
▭	Counties

Health Professions and Technologies
All Students in Study
July 2001 Through June 2002

widely dispersed

Midland

Bay

Saginaw

Tuscola

Sanilac

Lapeer

Shiawassee

Genesee

St. Clair

Ingham

Livingston

Oakland

Macomb

Jackson

Washtenaw

Wayne

Monroe

Lenawee
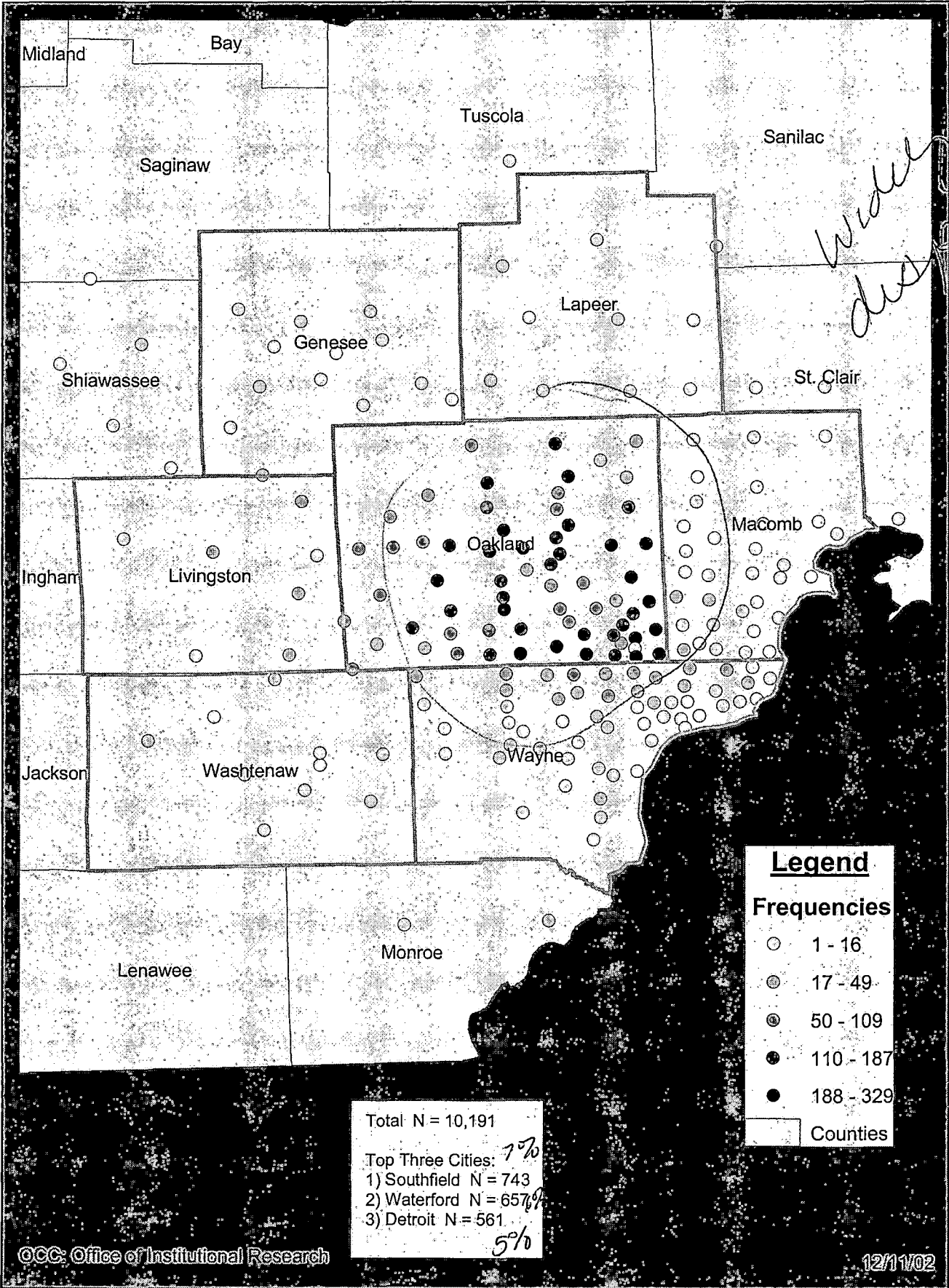
Legend

Frequencies

○	1 - 16
◉	17 - 49
◉	50 - 109
●	110 - 187
●	188 - 329
—	Counties

Total N = 10,191
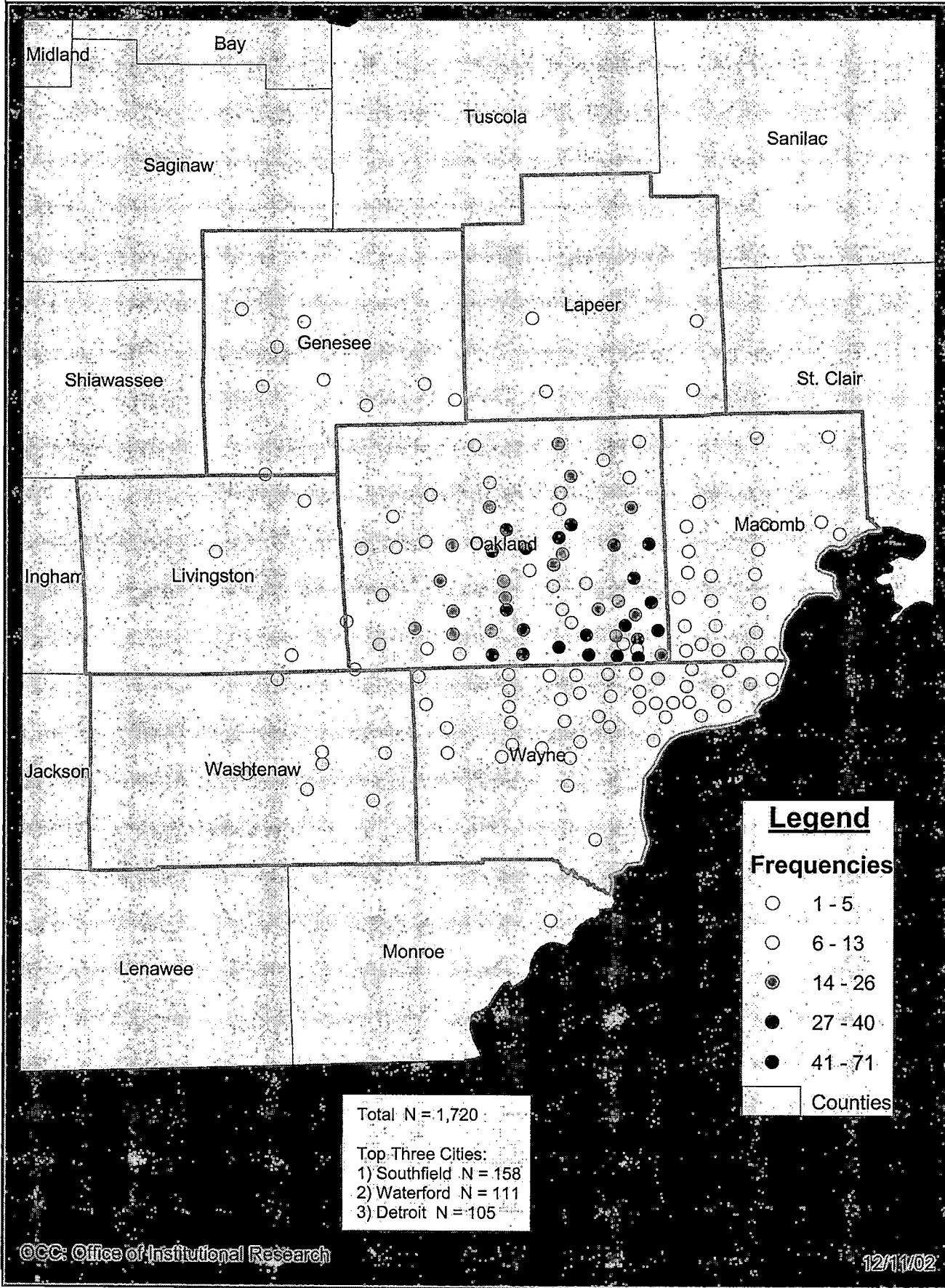
Top Three Cities: *7%*
1) Southfield N = 743
2) Waterford N = 657 *6%*
3) Detroit N = 561
5%

Health Professions and Technologies
Non-HPT Students 25 to 35 Years
July 2001 Through June 2002

Midland
Bay
Tuscola
Sanilac
Saginaw
Lapeer
Shiawassee
Genesee
St. Clair
Ingham
Livingston
Oakland
Macomb
Jackson
Washtenaw
Wayne
Lenawee
Monroe

Legend

Frequencies

○ 1 - 5
○ 6 - 13
◉ 14 - 26
● 27 - 40
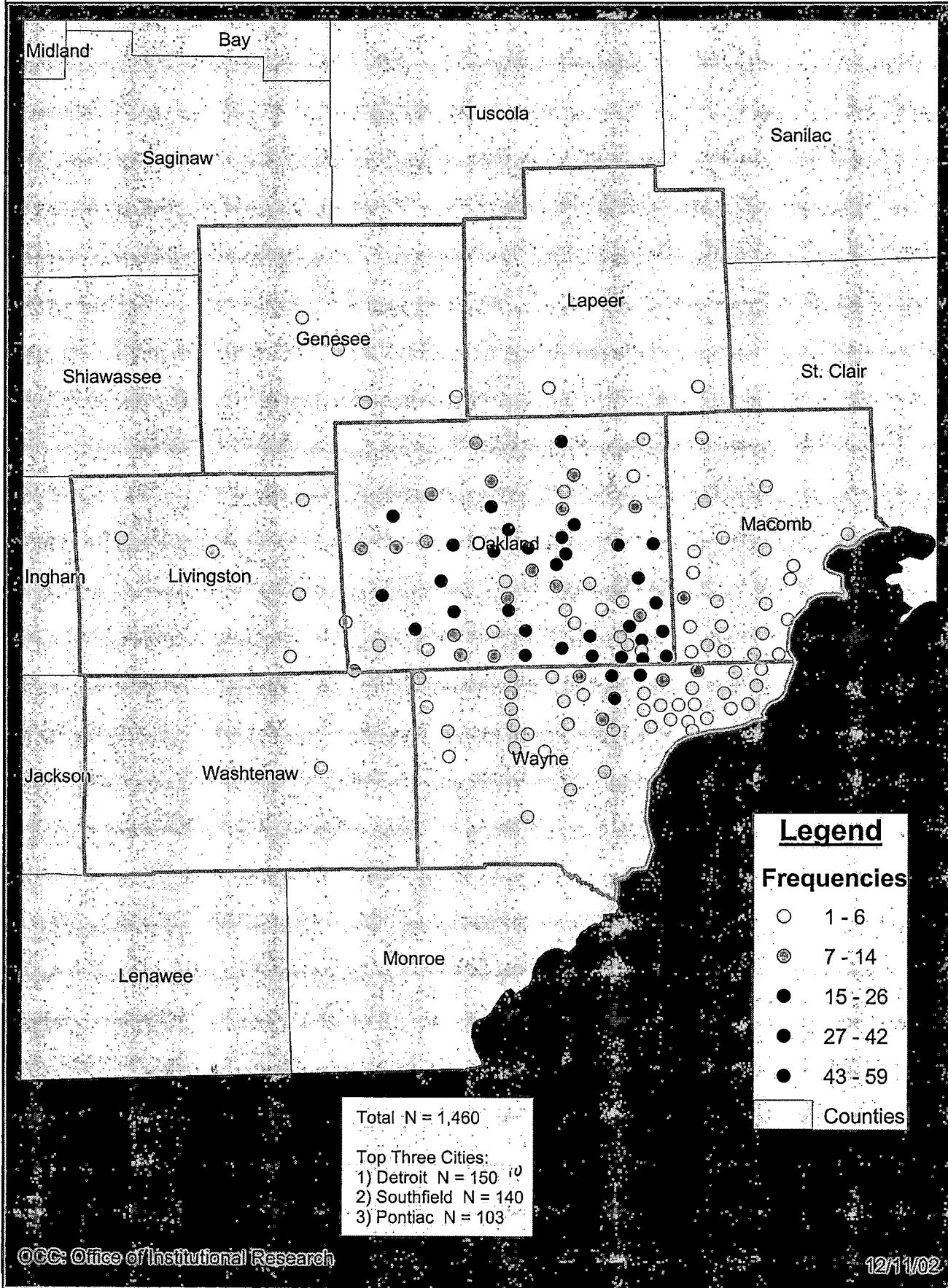● 41 - 71
☐ Counties

Total N = 1,720

Top Three Cities:
1) Southfield N = 158
2) Waterford N = 111
3) Detroit N = 105

12/11/02

Health Professions and Technologies
HPT Students 25 to 35 Years
July 2001 Through June 2002

Midland
Bay
Tuscola
Sanilac
Saginaw
Lapeer
Genesee
Shiawassee
St. Clair
Ingham
Livingston
Oakland
Macomb
Jackson
Washtenaw
Wayne
Lenawee
Monroe

Legend

Frequencies

○ 1 - 6

◉ 7 - 14

● 15 - 26

● 27 - 42

● 43 - 59

☐ Counties

Total N = 1,460

Top Three Cities:
1) Detroit N = 150
2) Southfield N = 140
3) Pontiac N = 103

OCC: Office of Institutional Research

12/11/02

Health Professions and Technologies
All Non-HPT Students
July 2001 Through June 2002

Midland

Bay

Tuscola

Saginaw

Sanilac

Lapeer

Shiawassee

Genesee

St. Clair

Ingham

Livingston

Oakland

Macomb

Jackson

Washtenaw

Wayne

Monroe

Lenawee

Legend

Frequencies

○	1 - 16
◔	17 - 45
◉	46 - 84
●	85 - 134
●	135 - 223

Counties

Total N = 6,660

Top Three Cities:
1) Detroit N = 295
2) Southfield N = 292
3) Waterford N = 238
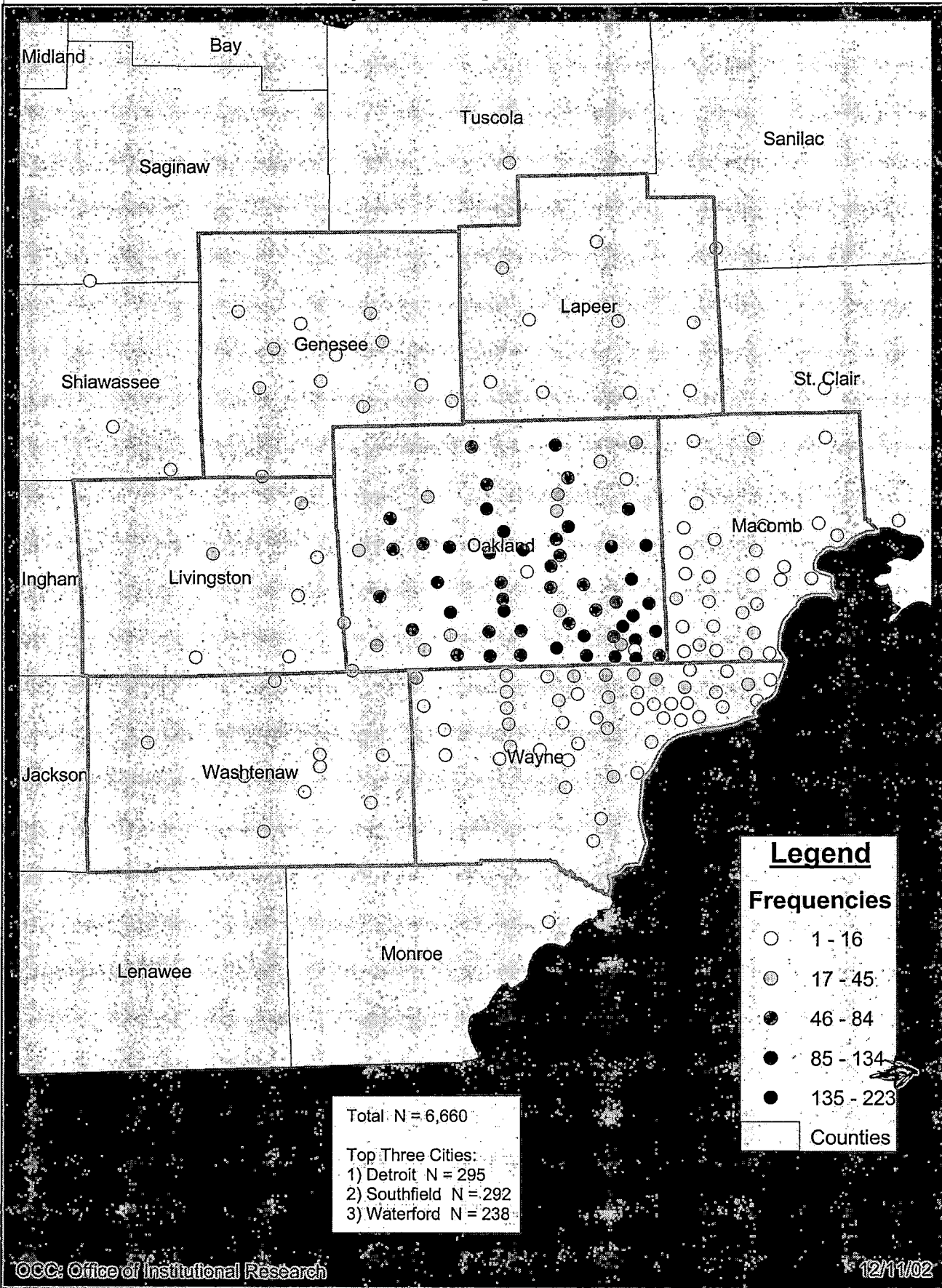
From:	Fox, Eleanor
Sent:	Monday, December 09, 2002 2:28 PM
To:	Cummings, Kris; Showers, Nancy; Reid, Yolanda; Lisnov, Shari
Cc:	Orlowski, Martin
Subject:	HPT (Allied Health) GIS

Howdy,
Spoke with Marty this afternoon, and he would like to look at the HTP data a little differently.

Maps:
1. 25-35 yrs of age - HPT degree seekers
2. 25-35 yrs of age - NON HPT degree seekers
3. All HPT degree students
4. All NON HPT degree students
5. Every student in study population

If you would include a brief summary in each map that could include the more frequent cities of residency and anything else you think would be important. Then do an executive summary of your findings when looking at all of the maps, reflecting on differences or similarities, etc.

These modification will assist in sorting out where their target population is located.

Would you please try to have a draft to me by Friday (12/13).

Many Thanks!

Eleanor Swanke Fox

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2002 Allied Health Graduate Follow-Up Survey

ID: 1934

Requester Program Marketing

Date Requested 23-Oct-02

Expected Completion 06-Dec-02

Actual Completion:

IR Category:

Project Type: Ad Hoc

Status: Active

Assigned To:

Description: Allied Health would like a GFS analysis to obtain additional information for their programs. They want to know what's important for students and how satisfied they are.

Provide this information for the most current academic year possible (7/00 - 6/01).

Methodology: Run crosstabs looking at significance - probably chi square due to small N.

Major Findings:

Office of Institutional Research
Project Summary:

2002 Allied Health GIS

ID:	1933	
Requester	Program Marketing	**IR Category:**
Date Requested	23-Oct-02	**Project Type:** Ad Hoc
Expected Completion	06-Dec-02	**Status:** Active
Actual Completion:		**Assigned To:**

Description: Provide GIS mapping to show where Allied Health students reside.

Plot all students residence

Plot only students' residence who are between ages 25 & 30 yrs.

Methodology: Use the database that is created for the Allied Health Demographics (unduplicated 7/01 - 6/02 students: 1/10th day, credreg greater than zero)

Major Findings: