

HFS - ANALYTICS

By:

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RESEARCH QUESTION #1 (SAI)

Do significant delays exist between enrolling in an event, entering into the system, and the enrollment approval?

Importance? It will help the HFS to know the average time taken for a person to complete the full process for any event that is organized in different facility till date. So that If they find any delay in enrolling then they can take action on the particular location and improve the approving process .

RESEARCH QUESTION #2 (CHAD)

Do HFS facility locations have a significant effect on the number of missed appointments?

Importance? There might be unknown but significant reasons why particular locations have higher rates of missing appointments, such as issues with facility accessibility or local financial burdens like access to transportation.

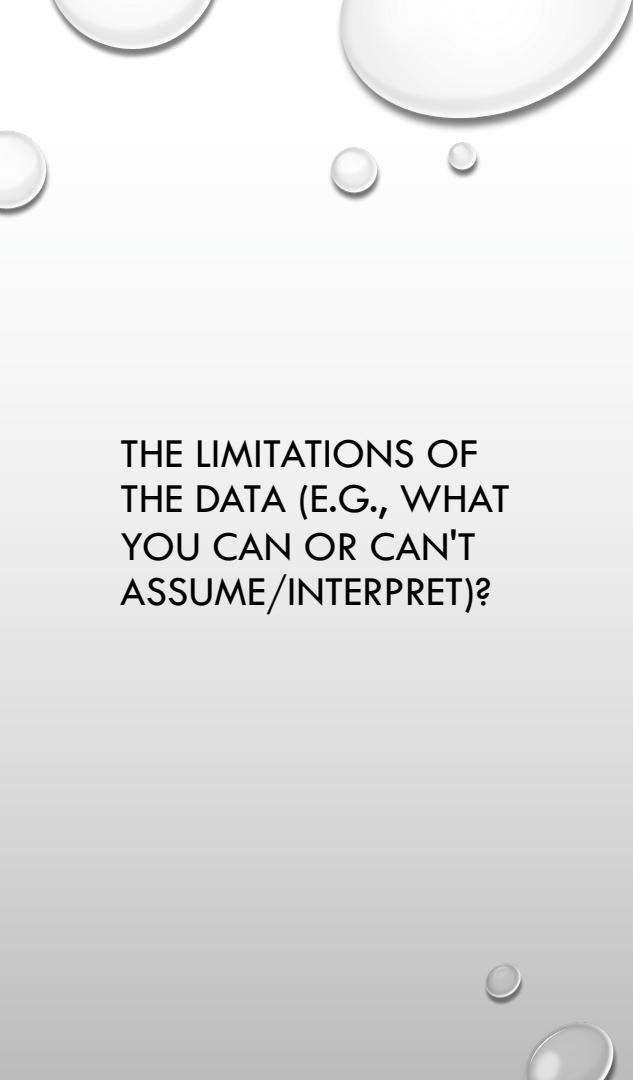
RESEARCH QUESTION #3 (RHONDA)

Which facilities provide services to clients identifying as Latino?

Importance? HFS will benefit from knowing if their clients would prefer bilingual staff and/or literature in Spanish.

WHAT KINDS OF DATA CLEANING CHOICES WE MADE TO FOCUS OUR ANALYSIS?

- RQ1: I CREATED DATES(MM/DD/YYYY) BASED ON THE EXISTING DATA AND CALCULATED THE TIME DIFFERENCE BETWEEN ENROLLMENT AND APPROVED PROCESS. FILTERED OUT FACILITIES BASED ON STATES W.R.T FOR ALL THE YEARS MENTIONED IN DATA.
- RQ2: FILTERED OUT FACILITIES WITH TOO FEW RECORDS (FEWER THAN 50 CLIENTS OVER THREE YEARS).
- RQ3: OMITTED THE ROWS THAT HAD “NOT COLLECTED” OR “UNKNOWN” SINCE THIS INFORMATION WILL NOT HELP WITH THE INTERPRETATION OF DATA. I THEN CHANGED “MEXICAN” TO “LATINO” AND “OTHER HISPANIC OR LATINO” TO “LATINO” I CHANGED “NOT SPANISH/HISPANIC/LATINO” TO “NOT LATINO” THIS LEAVES THE DATA WITH 2 CLASSES FOR THE VARIABLE TITLED “ETHNIC_IDENTITY”: LATINO AND NOT LATINO.



THE LIMITATIONS OF THE DATA (E.G., WHAT YOU CAN OR CAN'T ASSUME/INTERPRET)?

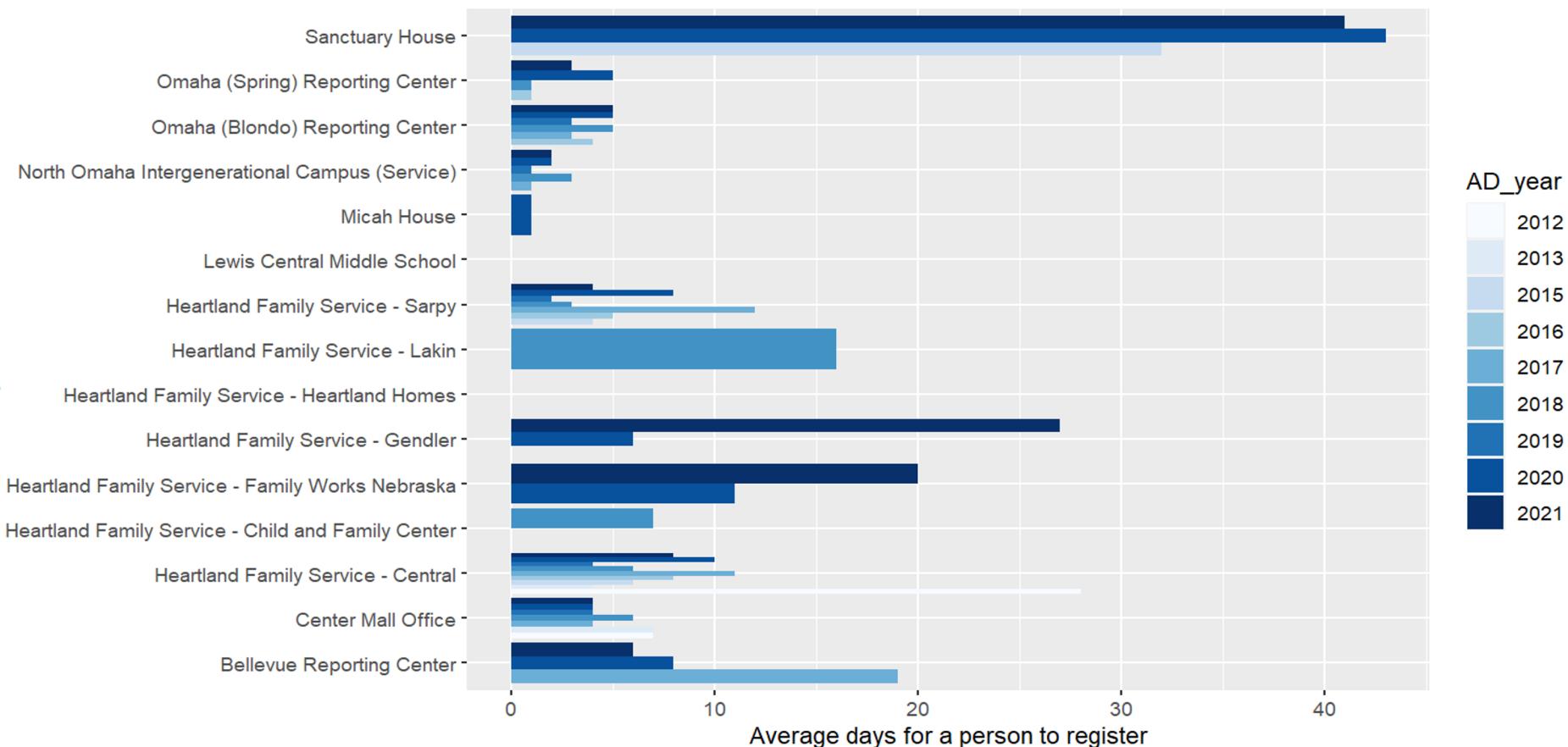
- RQ1: IN OUR ANALYSIS WE FOUND OUT THAT OVERALL ENROLLMENT TIME IS DECREASED COMPARED TO PREVIOUS YEARS IN SOME FACILITIES, SOME MAINTAINED THE SAME AND SOME DID NOT CONDUCT ANY EVENT FOR NEXT YEARS. WE MIGHT NOT KNOW THE REASON WHY THE EVENT ARE NOT TAKEN PLACE REGULARLY. MAY BE DUE TO **COVID-19** ?
- RQ2: OUR ANALYSIS UNCOVERS A RELATIONSHIP BETWEEN FACILITY LOCATION AND THE RATE OF MISSED APPOINTMENTS BUT WE DO NOT KNOW WHY THIS RELATIONSHIP EXISTS.
- RQ3: WE ARE ASSUMING THAT ANY LATINO CLIENT WOULD PREFER SERVICES IN SPANISH. THEREFORE, IT WOULD HELP IF THERE WAS A COLUMN INDICATING THE CLIENT'S PREFERENCE.

DECISIONS THAT NEED TO BE MADE BASED ON MY ANALYSIS IN IOWA AND NEBRASKA

- WE FOUND OUT THAT OVERALL ENROLLMENT TIME IS DECREASED COMPARED TO PREVIOUS YEARS IN SOME FACILITIES,
- SOME MAINTAINED THE SAME TIME
- SOME DID NOT CONDUCT ANY EVENT FOR NEXT YEARS.
- OVERALL THERE IS NO DELAY IN THE REGISTRATION PROCESS COMPARED TO PREVIOUS YEARS

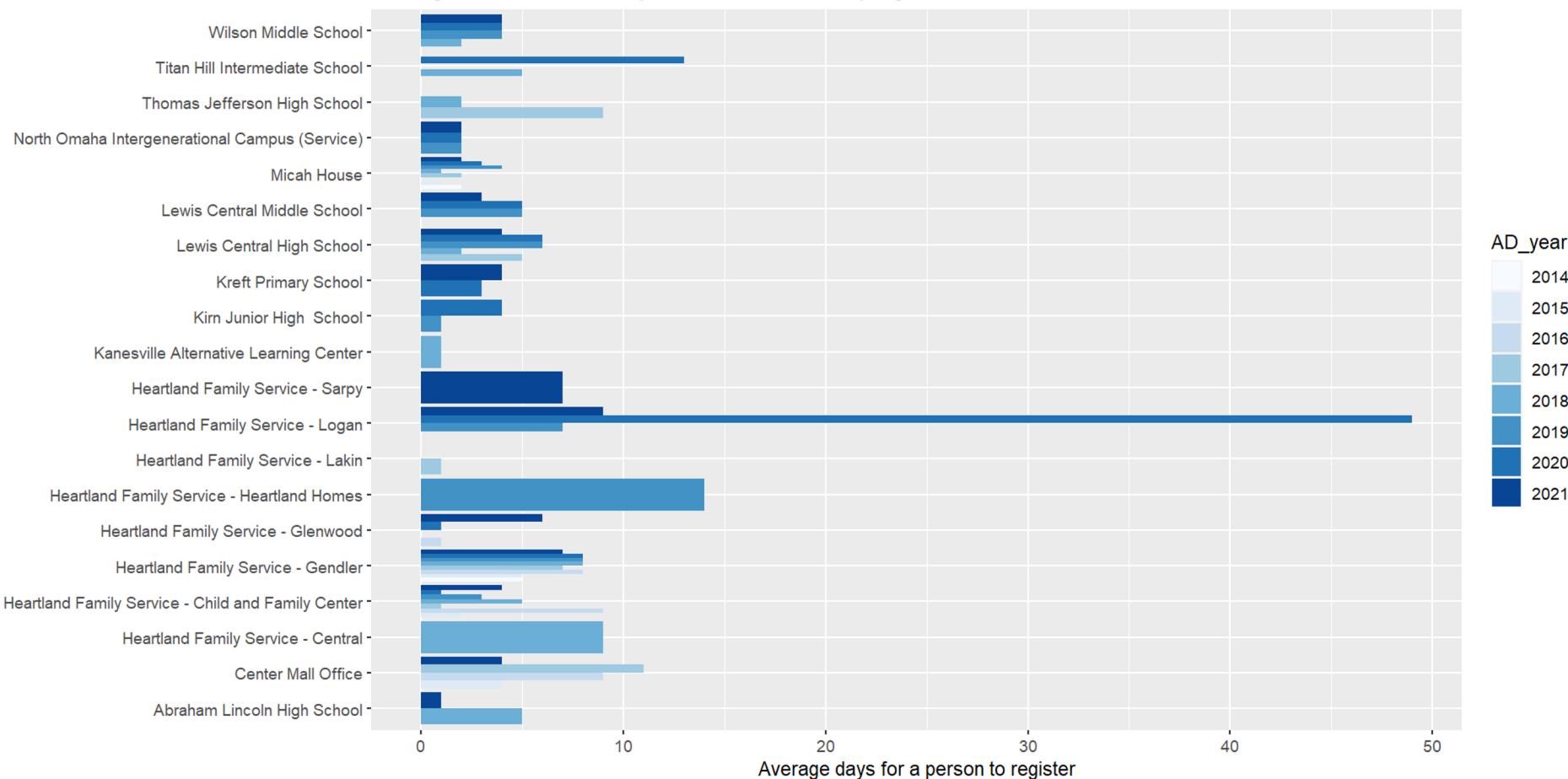
REVIEW MADE BASED ON MY ANALYSIS IN NEBRASKA

Average Time taken for a person to enroll for a program



REVIEW MADE BASED ON MY ANALYSIS IN IOWA

Average Time taken for a person to enroll for a program



WHY?..

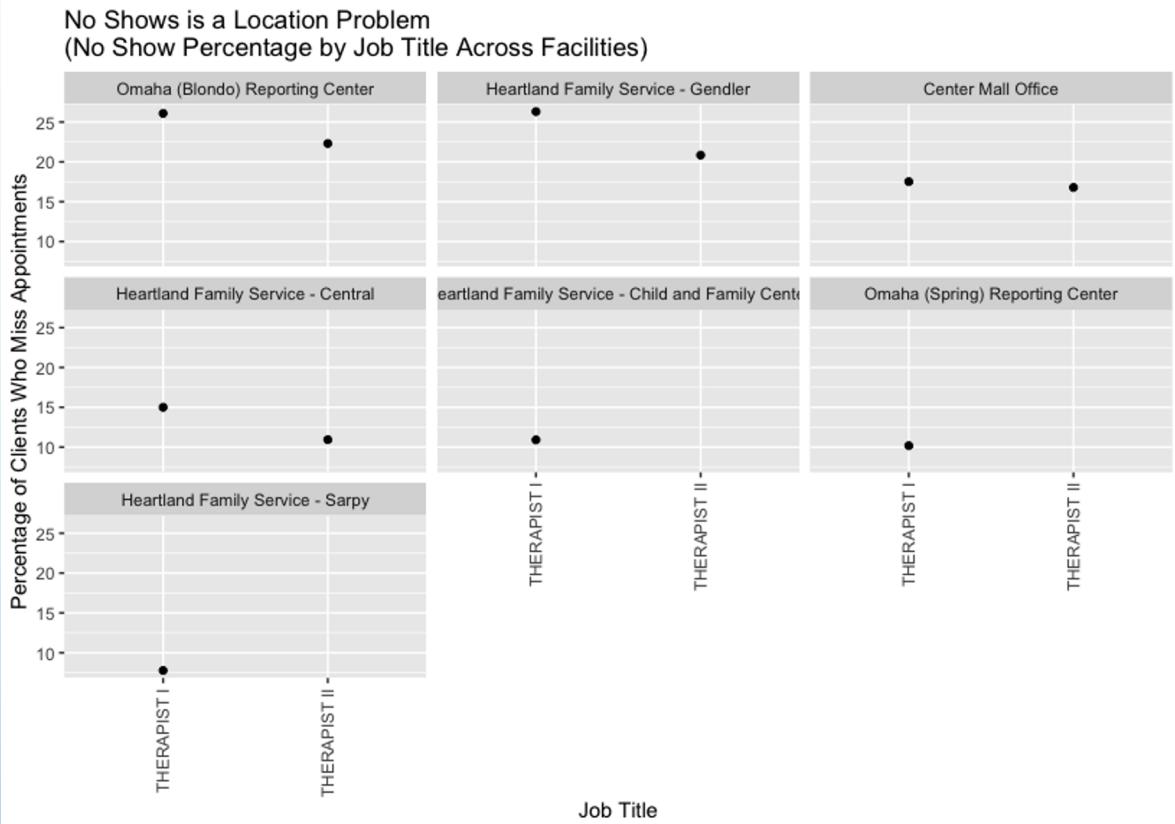
We might not know the reason why the event are not taken done regularly.

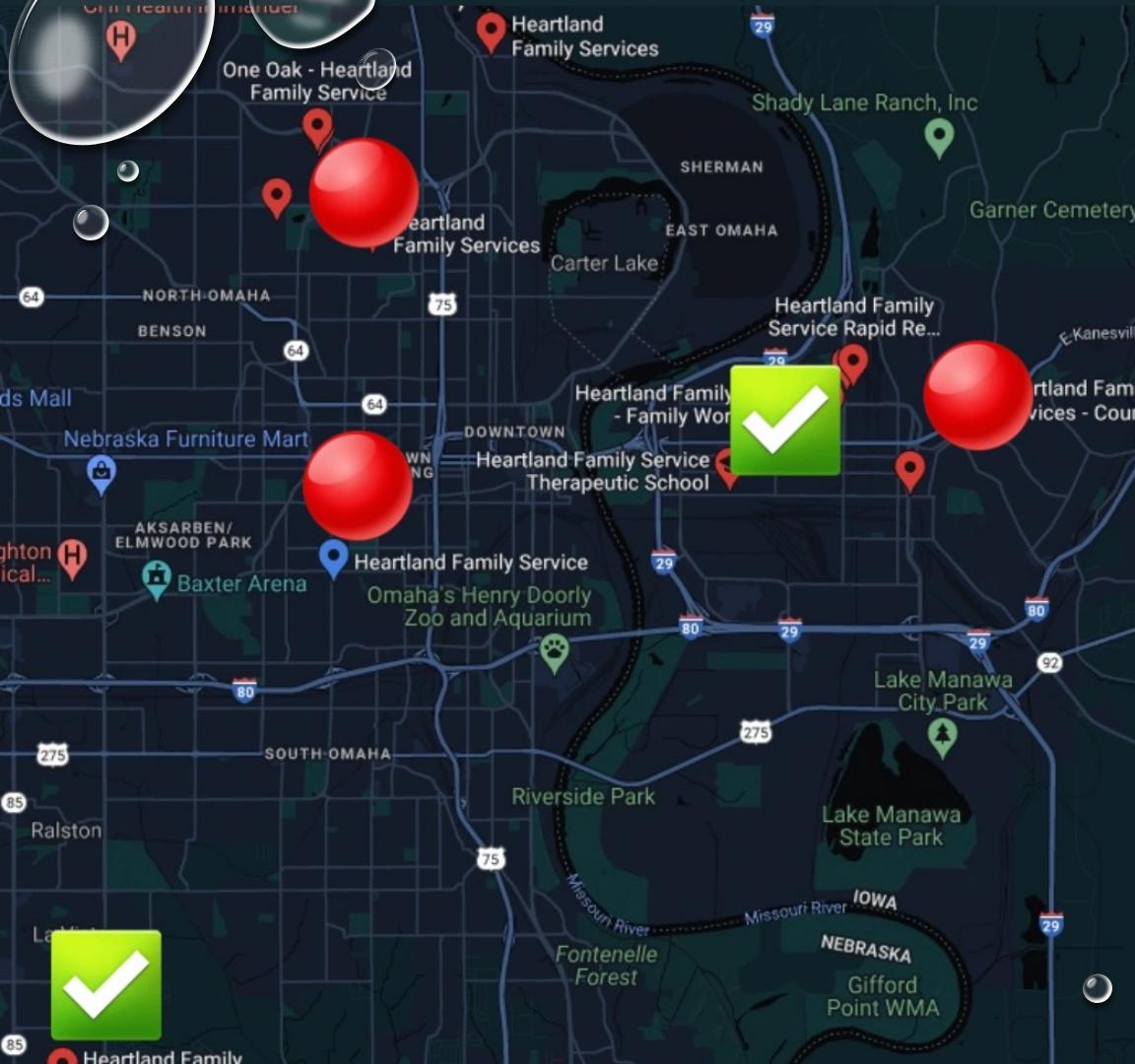
Many be because of covid but the overall registration process time is very less .

YOUR RESULTS AND INTERPRETATIONS OF THE DATA? (CHAD)

Missed appointments
are closely related
to the facility.

Slight differences in
missed appointments
by the type of
therapist (I vs II).





WHAT DECISIONS SHOULD BE MADE BASED ON YOUR ANALYSIS? (CHAD)

- FURTHER RESEARCH IS REQUIRED TO UNDERSTAND THE STARK DIFFERENCE IN MISSED APPOINTMENTS.
- IT WOULD BE INTERESTING TO EXPLORE MORE DETAILED DEMOGRAPHICS FOR EACH AREA.

RHONDA, RQ #3



SUMMARY

RQ1: Different facilities have significantly different delays.
Schools are especially fast but counties are slower.

RQ2: Missed appointments are closely related to the facility.
Slight differences in missed appointments by the type of therapist
(I vs II).

RQ3: HFS could possibly benefit by having the bilingual staff at
the Sarpy Office as well so that there are 3 branches throughout
the metro area to serve Latino clients