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Migrant and Refugee Center: Health Demographic Collection for Strategic Outreach

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B.S. Biology | Joint Bachelor's/M.D. Program

Arts and Sciences Dean's Task Force on Immigrants and Refugees

- Inspired by Pope Francis's four pillars:
  - **Welcome**
  - **Protect**
  - **Promote**
  - **Integrate**
- New Jersey overall has the **fifth largest immigrant population** in the U.S.
  - Over two million immigrants
    - 500,000 of whom are undocumented
- Four counties that comprise the Archdiocese (Union, Hudson, Essex, and Bergen)
  - Substantial growth in their immigrant communities
- Program development for legal, healthcare, education

Methodology Part 1

- ***Goal:*** **Illuminate access to healthcare and health disparities amongst the migrant and refugee populations in the Archdiocese of Newark**
- ***Charge:*** **Collect, analyze, and interpret demographic and statistical data**
- 13 key demographic criteria **included** with 4 criteria **excluded**:
  - ***Access to Healthcare Criteria***

Estimated percent of all people without health insurance, between 2015-2019	Estimated percent of people with Medicare, between 2015-2019.	Estimated percent of people with Medicaid, between 2015-2019	Medically Underserved Areas (MUA), as of 2020.	Primary Care Health Professional Shortage Area status as of 2021.
Mental Health Professional Shortage Area status as of 2021.	Dental Health Professional Shortage Area status as of 2021.	Estimated percent of adults reporting to have a personal doctor or health care provider in 2018.	Estimated percent of adults reporting a physical checkup in the past year in 2018.	

Methodology (Part 2)

- 13 key demographic criteria with 4 Criteria Excluded:
  - ***Health Disparity and Comorbidities Criteria***
- Created a metric of educational need across towns and counties
  - Higher scores indicate towns that were cited more often as places for target outreach
    - (**Rank #1** = 3 points; **Rank #2** = 2 points; **Rank #3** = 1 point)
    - Score Multiplier: (**High Priority** = 1.5x Base Score; **Medium Priority** = 1x Base Score; **Low Priority** = 0.5x Score)

Estimated percent of adults reporting to be obese (a body mass index of 30 or greater) in 2018.	Estimated percent of adults reporting to engage in heavy drinking in 2018.	Estimated percent of adults reporting to engage in binge drinking in 2018.	Estimated percent of adults reporting to have ever smoked cigarettes in 2018.
Estimated percent of adults ever diagnosed with diabetes mellitus in 2018.	Estimated percent of adults ever diagnosed with heart disease or a heart attack in 2018.	Estimated percent of adults ever diagnosed with high blood pressure (hypertension) in 2017	Estimated percent of adults ever diagnosed with high cholesterol in 2017.

Summary of Towns Cited At Least Once in Top 3 Priority for Potential Outreach Areas in Archdiocese of Newark

Health Access and Health Disparity Score

Score Multiplier: (**High Priority** = 1.5x Base Score; **Medium Priority** = 1x Base Score; **Low Priority** = 0.5x Score)

Town, City	Estimated percent of all people without health insurance, between 2015–2019	Estimated percent of people with Medicaid, between 2015-2019	Medically Underserved Areas (MUA), as of 2020.	Estimated percent of adults reporting to have a personal doctor or health care provider in 2018.	Estimated percent of adults reporting a physical checkup in the past year in 2018.	Estimated percent of adults reporting to be obese (a body mass index of 30 or greater) in 2018.	Estimated percent of adults reporting to engage in heavy drinking in 2018.	Estimated percent of adults reporting to engage in binge drinking in 2018.	Estimated percent of adults reporting to have ever smoked cigarettes in 2018.	Estimated percent of adults ever diagnosed with diabetes mellitus in 2018.	Estimated percent of adults ever diagnosed with heart disease or a heart attack in 2018.	Estimated percent of adults ever diagnosed with high blood pressure (hypertension) in 2017	Estimated percent of adults ever diagnosed with high cholesterol in 2017.	Total
Union City, Hudson County	4.5	x	3	1.5	3	4.5	x	1	x	x	3	x	x	20.5
East Orange, Essex County	1.5	2	3	x	x	4.5	x	x	x	x	4.5	x	3	18.5
Plainfield, Union County	4.5	2	4.5	2	x	x	x	1	x	x	3	x	x	17
Garfield, Bergen County	4.5	2	4.5	x	2	x	1	2	1	x	x	x	x	17
Elizabeth, Union County	3	3	3	3	3	x	x	x	x	1.5	x	x	x	16.5
West New York, Hudson County	1.5	2	1.5	2	x	3	x	x	x	3	1.5	1	1	16.5
Newark (Vailsburg), Essex County	4.5	1	x	x	x	4.5	x	x	x	4.5	x	2	x	16.5
North Bergen, Hudson County	x	x	x	1	x	1.5	x	x	0.5	4.5	4.5	2	2	16
Bayonne, Hudson County	x	x	1.5	x	x	x	1	x	1.5	1.5	3	3	3	14.5
Newark, Essex County	4.5	3	4.5	x	x	1.5	x	x	x	x	x	x	x	13.5
Garwood, Union County	x	x	x	x	1	1.5	3	x	1.5	x	3	x	3	13
Roselle, Union County	x	1	x	1	x	3	2	x	x	4.5	x	1	x	12.5
Nutley, Essex County	x	x	x	2	2	1.5	3	x	1.5	x	x	x	1	11
Fairview, Bergen County	x	x	x	3	3	x	x	3	1.5	x	x	x	x	10.5
Vauxhall, Union County	x	x	x	x	x	4.5	x	x	x	x	1.5	x	x	9
Orange, Essex County	x	x	1.5	x	x	3	x	x	x	3	x	1	x	8.5
Hackensack, Bergen County	1.5	x	1.5	2	x	3	x	x	x	x	x	x	x	8
Linden, Union County	1.5	x	x	x	x	x	0.5	1	1	x	3	x	1	8
Irvington, Essex County	x	x	x	x	x	4.5	x	x	x	1.5	x	2	x	8
Hillside, Union County	x	x	x	x	x	1.5	x	x	x	4.5	x	2	x	8
Englewood, Bergen County	x	x	x	x	x	4.5	x	x	x	1.5	x	2	x	8
Caldwell, Essex County	x	x	x	x	x	x	1	x	x	1	3	x	3	8
Teaneck, Bergen County	x	x	x	x	x	1.5	x	x	x	x	x	3	x	7.5
Fort Lee, Bergen County	x	x	x	x	x	x	x	x	x	1.5	3	x	3	7.5
Rochelle Park, Bergen County	x	x	x	x	x	x	x	x	x	x	4.5	1	2	7.5
Belleville, Essex County	x	x	x	3	3	x	x	1	x	x	x	x	x	7
Bloomfield, Essex County	x	x	x	2	2	x	0.5	2	0.5	x	x	x	x	7
Union, Union County	x	x	x	x	x	x	x	x	x	x	4.5	x	2	6.5
Lodi, Bergen County	x	x	3	3	x	x	x	x	x	x	x	x	x	6
Hoboken, Hudson County	x	x	x	x	3	x	x	x	x	x	x	x	x	6
Jersey City, Hudson County	x	x	4.5	1	x	x	x	x	x	x	x	x	x	5.5
Kearny, Hudson County	x	x	x	x	x	x	1.5	3	1	x	x	x	x	5.5
Harrison, Hudson County	x	x	x	x	2	x	0.5	2	x	x	x	x	x	4.5
Fairfield, Essex County	x	x	x	x	x	x	x	x	x	x	4.5	x	x	4.5
East Newark, Hudson County	3	1	x	x	x	x	x	x	x	x	x	x	x	4
Silver Lake, Essex County	3	1	x	x	x	x	x	x	x	x	x	x	x	4
Roselle Park, Union County	x	x	x	x	2	x	x	2	x	x	x	x	x	4
West Orange, Essex County	x	x	x	x	x	x	x	x	x	x	1.5	x	2	3.5
Ridgefield, Bergen County	3	x	x	x	x	x	x	x	x	x	x	x	x	3
Moonachie, Bergen County	x	x	x	x	x	x	x	x	x	x	1.5	x	1	2.5
Glen Ridge, Essex County	x	x	x	1	1	x	x	x	x	x	x	x	x	2
Wallington, Bergen County	x	x	x	x	x	x	0.5	1	0.5	x	x	x	x	2
South Orange, Essex County	x	x	1.5	x	x	x	x	x	x	x	x	x	x	1.5
Cliffside Park, Bergen County	x	x	x	x	x	x	1.5	x	x	x	x	x	x	1.5
Rahway, Union County	x	x	x	x	x	x	x	x	0.5	x	x	1	x	1.5
Little Ferry, Bergen County	x	1	x	x	x	x	x	x	x	x	x	x	x	1
Palisades Park, Bergen County	x	x	x	x	1	x	x	x	x	x	x	x	x	1
East Rutherford, Bergen County	x	x	x	x	x	1	x	x	x	x	x	x	x	1

Base Score: (**Rank #1** = 3 points; **Rank #2** = 2 points; **Rank #3** = 1 point)

Comparison of Predominant Languages Spoken and Predominant County of Birth Among Foreign Born Population for Top 3 Potential Target Areas for Health Outreach Per County

County/Town	Predominant Country of Birth Among the Foreign Born Population		Predominant Language Spoken at Home (Including English)	Predominant Language Spoken at Home (Excluding English)	Predominant Language Spoken at Home (Excluding English and Spanish)
Union County					
Plainfield	Colombia		Spanish or Spanish Creole	Spanish or Spanish Creole	Portuguese or Portuguese Creole
Elizabeth	Guatemala		English	Spanish or Spanish Creole	African Languages
Garwood	Ukraine		English	Spanish or Spanish Creole	Russian
Hudson County					
Union City	Dominican Republican		Spanish or Spanish Creole	Spanish or Spanish Creole	Hindi
West New York	Dominican Republican		Spanish or Spanish Creole	Spanish or Spanish Creole	Other Asian Languages (Chinese and Tagalog)
North Bergen	Cuba		Spanish or Spanish Creole	Spanish or Spanish Creole	Gujarati
Essex County					
East Orange	Jamaica		English	Spanish or Spanish Creole	French Creole
Newark (Vailsburg)	Ecuador		English	Spanish or Spanish Creole	Portuguese or Portuguese Creole
Nutley	India		English	Spanish or Spanish Creole	Italian
Bergen County					
Garfield	Poland		English	Spanish or Spanish Creole	Polish
Fairview	El Salvador		Spanish or Spanish Creole	Spanish or Spanish Creole	Italian
Hackensack	Dominican Republican		English	Spanish or Spanish Creole	Only Tagalog

Resources Used

Powered Using U.S. Census Data

Thank you for listening!

Any questions?

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