Migration in Micronesia
Pacific Update 2014
Development Policy Centre ANU

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DEVELOPMENT PROGRAM
Colonial Periods

1. Spanish – 1500 to 1898
2. German – 1898 to 1914
3. Japanese – 1914 to 1945
4. United States – 1947 to 1987
5. Federated States of Micronesia (FSM) – 1987 –
Figure 1. FSM Population: 1920 to 2010
Internal Migration

- Japanese censuses: 1920 to 1935 – very little intentional migration
- American period: also almost none – to and from Saipan
- FSM period: Also, very little, but now launching pads from Outlying areas to center and then onwards
Internal Problems

- Infrastructure – airports, communication, roads
- Field trip ships to the Outer Islands
- Lack of any economic development – more than half the jobs are public sector
- Most possible public sector jobs already filled
- No real private sector development – Mom and Pop stores
Emigration flows

- None before the 1970s
- Pell Grants: migration for school
- Compact of Free Association – no visas
- Lag before starting
- Continues very strong
Data sources

- First surveys – late 1980s (no sampling)
- US DOI surveys (snowball method):
- Hezel/Levin for Guam, CNMI, Hawaii, US Mainland (various sampling)
## Micronesians in the US and Areas: 1995 to 2012

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Guam</th>
<th>CNMI</th>
<th>Hawaii</th>
<th>US mainland</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>12,000</td>
<td>c5,000</td>
<td>1,961</td>
<td>c2,000</td>
<td>c3,000</td>
</tr>
<tr>
<td>1997</td>
<td>16,000</td>
<td>5,789</td>
<td>2,199</td>
<td>3,786</td>
<td>c4,200</td>
</tr>
<tr>
<td>2000</td>
<td>22,000</td>
<td>8,573</td>
<td>c2,500</td>
<td>c4,400</td>
<td>c6,500</td>
</tr>
<tr>
<td>2003</td>
<td>30,000</td>
<td>9,098</td>
<td>3,097</td>
<td>5,091</td>
<td>c12,700</td>
</tr>
<tr>
<td>2008</td>
<td>42,000</td>
<td>16,358</td>
<td>1,560</td>
<td>8,320</td>
<td>c15,800</td>
</tr>
<tr>
<td>2012</td>
<td><strong>49,840</strong></td>
<td>13,558</td>
<td>4,286</td>
<td>7,948</td>
<td>24,048</td>
</tr>
</tbody>
</table>
### Micronesians on Guam: 1980 to 2012

<table>
<thead>
<tr>
<th>Year</th>
<th>Guam</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>410</td>
<td>Guam Census 1980</td>
</tr>
<tr>
<td>1988</td>
<td>c1,700</td>
<td>Household Survey by Tom McGrath</td>
</tr>
<tr>
<td>1990</td>
<td>2,944</td>
<td>Guam Census 1990</td>
</tr>
<tr>
<td>1992</td>
<td>4,954</td>
<td>UOG Micronesian Census</td>
</tr>
<tr>
<td>1997</td>
<td>5,789</td>
<td>Levin, Survey of Migrants</td>
</tr>
<tr>
<td>2000</td>
<td>8,573</td>
<td>Guam Census 2000</td>
</tr>
<tr>
<td>2003</td>
<td>9,098</td>
<td>Levin, Survey of Guam Migrants</td>
</tr>
<tr>
<td>2008</td>
<td>16,358</td>
<td>Census Bureau Statistical Survey</td>
</tr>
<tr>
<td>2012</td>
<td>13,558</td>
<td>Hezel and Levin, 2012</td>
</tr>
</tbody>
</table>
Micronesian and Micronesians on Guam: 1980 Census

1. Population by Age and Sex

- Male
- Female
Micronesians and Total on Guam: 1990

Percent of Total Population

Micronesians on Guam and Total Guam: 1990

Male

Female

Percent of total population
Micronesian Migrants on Guam: 1997

1. Population by Age and Sex

The chart illustrates the population distribution by age and sex for Micronesian migrants on Guam in 1997.

- **Male**: The population is concentrated in the younger age groups, with a peak in the 20-24 age category.
- **Female**: The population is also concentrated in the younger age groups, with a peak in the 15-19 age category.

The graph shows a typical demographic pyramid with a wider base, indicating a larger proportion of younger individuals compared to older individuals.
Micronesian Migrants on Guam: 2003

1. Population by Age and Sex

- Male
  - 0-4
  - 5-9
  - 10-14
  - 15-19
  - 20-24
  - 25-29
  - 30-34
  - 35-39
  - 40-44
  - 45-49
  - 50-54
  - 55-59
  - 60-64
  - 65-69
  - 70-74
  - 75+

- Female
  - 0-4
  - 5-9
  - 10-14
  - 15-19
  - 20-24
  - 25-29
  - 30-34
  - 35-39
  - 40-44
  - 45-49
  - 50-54
  - 55-59
  - 60-64
  - 65-69
  - 70-74
  - 75+
Micronesians on Guam: 2010

Guam Micronesian Migrants: 2010

1. Population by Age and Sex

Male

Female

Population
<table>
<thead>
<tr>
<th>Year</th>
<th>CNMI</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>552</td>
<td>CNMI Census 1980</td>
</tr>
<tr>
<td>1988</td>
<td>c1,400</td>
<td>Estimate based on no. of schoolkids</td>
</tr>
<tr>
<td>1990</td>
<td>1,817</td>
<td>CNMI Census 1990</td>
</tr>
<tr>
<td>1993</td>
<td>2,261</td>
<td>CNMI Survey of Migrants</td>
</tr>
<tr>
<td>1995</td>
<td>1,961</td>
<td>CNMI Census 1995</td>
</tr>
<tr>
<td>1998</td>
<td>2,199</td>
<td>Levin, Survey of Migrants</td>
</tr>
<tr>
<td>2003</td>
<td>3,097</td>
<td>Levin, Survey of Migrants</td>
</tr>
<tr>
<td>2008</td>
<td>1,560</td>
<td>Estimate based on Census Bureau Survey</td>
</tr>
<tr>
<td>2012</td>
<td>4,286</td>
<td>Hezel and Levin, 2014</td>
</tr>
</tbody>
</table>
## Micronesians in Hawaii: 1988 to 2012

<table>
<thead>
<tr>
<th>Year</th>
<th>Hawaii</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1988</td>
<td>405</td>
<td>Estimate from US Census 1990</td>
</tr>
<tr>
<td>1990</td>
<td>951</td>
<td>US Census 1990</td>
</tr>
<tr>
<td>1997</td>
<td>3,786</td>
<td>Levin, Survey of Migrants</td>
</tr>
<tr>
<td>2003</td>
<td>5,091</td>
<td>Levin, Survey of Migrants</td>
</tr>
<tr>
<td>2008</td>
<td>8,320</td>
<td>Census Bureau Survey</td>
</tr>
<tr>
<td>2012</td>
<td>7,948</td>
<td>Hezel and Levin, 2012</td>
</tr>
</tbody>
</table>
Micronesian Migrants in Hawaii: 1997

1. Population by Age and Sex

Male

Female

Population
Micronesians in FSM and Abroad

SOME COMPARISONS
Percent High School Graduates for Micronesians on Guam and in FSM: 2010

- **Total**
  - Micronesians on Guam: 60.7%
  - FSM 2010: 25.2%

- **Males**
  - Micronesians on Guam: 62.1%
  - FSM 2010: 26.8%

- **Females**
  - Micronesians on Guam: 59.3%
  - FSM 2010: 23.5%
Percent College Graduates for Micronesians on Guam and in FSM: 2010

<table>
<thead>
<tr>
<th></th>
<th>Micronesians on Guam</th>
<th>FSM 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>3.6</td>
<td></td>
</tr>
<tr>
<td>Males</td>
<td>3.5</td>
<td>2.8</td>
</tr>
<tr>
<td>Females</td>
<td>3.6</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Micronesians on Guam
FSM 2010
Percent in the Labor Force for Micronesians on Guam and in FSM: 2010

Micronesian migrants

FSM 2010
Percent Unemployed for Micronesians on Guam and in FSM: 2010

<table>
<thead>
<tr>
<th>Category</th>
<th>Micronesian Migrants</th>
<th>FSM 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>17.9</td>
<td>9.9</td>
</tr>
<tr>
<td>Males</td>
<td>14.2</td>
<td>9.5</td>
</tr>
<tr>
<td>Females</td>
<td>22.6</td>
<td>10.5</td>
</tr>
</tbody>
</table>
Occupation, FSM and Guam: 2010

- FSM
  - Managers and Professionals: 7,511
  - Service and Sales: 3,554
  - Construction and Production: 1,893
  - Other: 640

- Guam
  - Managers and Professionals: 1690
  - Service and Sales: 3570
  - Construction and Production: 0
  - Other: 0
Class of Worker, FSM and Guam: 2010

- FSM: 6,997
- Guam: 2,533
- Others: 7363
- Others: 160
Median and Mean Household Income in 2009 for Micronesians, Guam: 2010

<table>
<thead>
<tr>
<th></th>
<th>Median</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$24,554</td>
<td>$48,479</td>
</tr>
<tr>
<td>Kosraean</td>
<td>$27,500</td>
<td>$33,027</td>
</tr>
<tr>
<td>Ponapean</td>
<td>$31,085</td>
<td>$41,250</td>
</tr>
<tr>
<td>Chuukese</td>
<td>$21,932</td>
<td>$30,464</td>
</tr>
<tr>
<td>Yapese</td>
<td>$27,500</td>
<td>$29,743</td>
</tr>
</tbody>
</table>
Micronesian Migrants in 2012
<table>
<thead>
<tr>
<th>Place</th>
<th>Total</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>49,870</td>
<td>23,556</td>
<td>26,315</td>
</tr>
<tr>
<td>Guam</td>
<td>13,588</td>
<td>6,540</td>
<td>7,048</td>
</tr>
<tr>
<td>CNMI</td>
<td>4,286</td>
<td>1,988</td>
<td>2,298</td>
</tr>
<tr>
<td>Hawaii</td>
<td>7,948</td>
<td>3,957</td>
<td>3,991</td>
</tr>
<tr>
<td>Mainland</td>
<td>24,048</td>
<td>11,071</td>
<td>12,978</td>
</tr>
</tbody>
</table>

Source: 2012 Micronesian Surveys
FSM Migrants: 2012

1. Population by Age and Sex

Popul at i on by Age and Sex

Male

Female

Popul at i on
Percent Living in Same House in 2007, Migrants: 2012

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
<th>Guam</th>
<th>CNMI</th>
<th>Hawaii</th>
<th>Mainland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lived this house 5 years ago</td>
<td>18,590</td>
<td>6,300</td>
<td>2,112</td>
<td>2,774</td>
<td>7,404</td>
</tr>
<tr>
<td>Lived elsewhere 5 years ago</td>
<td>25,532</td>
<td>5,512</td>
<td>1,682</td>
<td>4,457</td>
<td>13,881</td>
</tr>
</tbody>
</table>

Legend:
- Blue: Lived this house 5 years ago
- Red: Lived elsewhere 5 years ago
Percent Speaking English or Other Language at Home, Migrants: 2012

- Total: 38,099
- Guam: 9,853
- CNMI: 2,860
- Hawaii: 6,187
- Mainland: 19,199

- Blue: Speak only English at home
- Red: Speak other language at home
Percent Private and Public Sector Employees by Place, Migrants: 2012

- Total: 14,720
- Guam: 3,004
- CNMI: 417
- Hawaii: 1,590
- Mainland: 9,709

- Private company
- Government
Wage Income in 2011 by Place, Migrants: 2012

- Total: $23,679
- CNMI: $25,451
- Hawaii: $14,221
- Mainland: $26,753
- Guam: $21,571
Internet by Place, Migrants: 2012

<table>
<thead>
<tr>
<th></th>
<th>With internet</th>
<th>No internet</th>
<th>No computer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>5,365</td>
<td>1,730</td>
<td>843</td>
</tr>
<tr>
<td>Guam</td>
<td>646</td>
<td>136</td>
<td>1,756</td>
</tr>
<tr>
<td>CNMI</td>
<td>153</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>Hawaii</td>
<td>909</td>
<td>89</td>
<td></td>
</tr>
<tr>
<td>Mainland</td>
<td>3,657</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend:
- Blue: With internet
- Red: No internet
- Green: No computer
Households Claiming Land Holdings in FSM by Place, Migrants: 2012

- **Total**: 6,484 (Has land holdings: 4,702, Does not have land holdings: 1,782)
- **Guam**: 824 (Has land holdings: 1,688, Does not have land holdings: 864)
- **CNMI**: 296 (Has land holdings: 541, Does not have land holdings: 245)
- **Hawaii**: 910 (Has land holdings: 973, Does not have land holdings: 63)
- **Mainland**: 4,454 (Has land holdings: 1,500, Does not have land holdings: 2,954)

Legend:
- Blue: Has land holdings
- Red: Does not have land holdings
Percent of Households with FSM flag, Migrants: 2012

- Total: 26.2%
- Guam: 13.4%
- CNMI: 4.9%
- Hawaii: 17.5%
- Mainland: 37.4%
Percent of Households Displaying Handicrafts by Place, Migrants: 2012

- Total: 55.1
- Guam: 35.9
- CNMI: 39.1
- Hawaii: 38.1
- Mainland: 70.9
Households Using at least one health service by Place, Migrants: 2012

- Total: 66.0%
- Guam: 73.0%
- CNMI: 64.9%
- Hawaii: 68.8%
- Mainland: 62.3%
THANK YOU