The financial effects of high-skill emigration

New data on African doctors abroad

International Conference on Diaspora for Development, World Bank
Michael Clemens
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When they leave

Doctors

Value of emigrating

Value of staying

State

Value of emigrants

Value of stayers
<table>
<thead>
<tr>
<th>Frame</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,117</td>
<td>826</td>
</tr>
<tr>
<td>6,775</td>
<td>923</td>
</tr>
</tbody>
</table>

17.8%
Remittances

Timing of departure

Country of training
Remittances, trained in home country

- Unadjusted
- Poststratified
- Nonresponse due to remittance question = 0

Values: 0, 2,000, 4,000, 6,000, 8,000, 10,000
### Correlates of remittances

<table>
<thead>
<tr>
<th>Variable</th>
<th>Estimate 1</th>
<th>Estimate 2</th>
<th>Estimate 3</th>
<th>Estimate 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>136**</td>
<td>127***</td>
<td>129***</td>
<td>111**</td>
</tr>
<tr>
<td></td>
<td>(2.34)</td>
<td>(2.90)</td>
<td>(2.90)</td>
<td>(2.56)</td>
</tr>
<tr>
<td>Years since arrival</td>
<td>-165***</td>
<td>-145***</td>
<td>-125***</td>
<td>-50</td>
</tr>
<tr>
<td></td>
<td>(3.10)</td>
<td>(3.52)</td>
<td>(3.20)</td>
<td>(1.13)</td>
</tr>
<tr>
<td>Citizen of country of residence</td>
<td>-1,035</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0.89)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Citizen of country of birth</td>
<td></td>
<td></td>
<td></td>
<td>4,745***</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(4.95)</td>
</tr>
<tr>
<td>Constant</td>
<td>1,672</td>
<td>1,993</td>
<td>2,266</td>
<td>-1,477</td>
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<tr>
<td></td>
<td>(0.84)</td>
<td>(1.23)</td>
<td>(1.43)</td>
<td>(0.81)</td>
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<tr>
<td>Poststratified?</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>N</td>
<td>1,563</td>
<td>1,563</td>
<td>1,563</td>
<td>1,563</td>
</tr>
</tbody>
</table>
Remittances  
Timing of departure  
Country of training
Kernel density

Year of degree minus year of arrival, African-trained only

0.00 0.02 0.04 0.06 0.08 0.10
-10 0 10 20 30 40 50
Remittances  

Timing of departure  

Country of training
Received M.D. in country of birth

0% 20% 40% 60% 80% 100%
All Nigeria South Africa Kenya Ghana Egypt
When they leave

Doctors

Value of emigrating

Value of staying

State

Value of emigrants

Value of stayers
Africa-trained physicians in US & Canada

Year of arrival
Nigeria
All African-trained
Africa-trained physicians in US & Canada
Nigeria-trained physicians in US & Canada

Year of arrival
Nigeria All African-trained
Nigeria-trained physicians in US & Canada