

FACTORS THAT INFLUENCE MIGRATION

Mexican Migration Project Data

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In this section, we present findings from an analysis of data from the Mexican Migration Project (MMP). Its purpose is to examine the extent to which Mexican men and women migrate legally and illegally to the United States, trends in the chances of migrating over time, and whether and how migration patterns differ by community of origin. The MMP data were collected in the 1980s and early 1990s from about 200 households in each of 39 communities in western central Mexico, a region of Mexico surrounding the city of Guadalajara from which most U.S. migrants were born (MMP, 1995). The communities range in size from 1000-person ranchos to a section of Guadalajara, which had a 1990 population of 2.9 million (see Table 1).

In each of the 39 communities, households were randomly selected and interviews were conducted in December-January when sojourner U.S. migrants often return to Mexico. Individual migration histories were compiled for all members of the household, including those absent when the interview was conducted.

Interviewers spoke with household heads and obtained information on all children, whether they were present or not, and if absent, whether they were in Mexico or the United States (Massey and Espinosa, 1995, 4). For the household heads, migration histories were compiled for each year after age 15, and they included questions such as did the person migrate to the United States and if so,

Table 1
Characteristics of 39 Mexican Communities
Sampled for Study of U.S. Migration

Type of Community and Name	1990 State	1940 Population ^a	Survey Population	Mexico		Sample*
				Sample Year	U.S. Size*	
Metropolitan Areas						
Community 24	Jalisco	2,870,000 ^b	229,235	1982	200	16
Community 2	Guanajuato	868,000 ^b	74,155	1987	200	0
Community 32	S.L.P.	526,000 ^b	97,762	1993	200	0
Community 19	Michoacán	493,000 ^b	44,304	1991	200	20
Community 15	Guanajuato	363,000 ^b	32,377	1991	200	20
Community 29	Michoacán	217,000 ^b	20,583	1992	200	13
Community 35	Zacatecas	109,000 ^b	26,673	1994	239	10
Community 31	Guerrero	101,000 ^b	21,882	1993	100	0
Community 28	Jalisco	74,000 ^b	22,170	1992	201	20
Smaller Urban Areas						
Community 1	Guanajuato	52,000	12,015	1987	201	20
Community 38	S.L.P.	42,000	29,556	1994	200	0
Community 26	Guanajuato	34,000	8,341	1992	200	15
Community 9	Michoacán	32,000	5,452	1989	200	20
Community 17	Jalisco	31,000	13,003	1991	200	20
Community 27	Guanajuato	24,000	5,698	1992	200	15
Community 13	Guanajuato	21,000	5,635	1990	200	20
Community 11	Nayarit	20,000	4,720	1990	200	20
Community 4	Guanajuato	17,000	6,159	1988	200	22
Towns						
Community 36	S.L.P.	13,000	13,923	1995	201	0
Community 23	Jalisco	12,000	5,531	1982	200	20
Community 12	Nayarit	12,000	551	1990	200	20
Community 18	Zacatecas	8,000	2,821	1991	365	20
Community 33	Colima	7,000	6,641	1995	200	20
Community 22	Michoacán	7,000	5,131	1982	200	20
Community 14	Michoacán	7,000	3,046	1990	200	20
Community 8	Michoacán	6,000	2,304	1989	200	20
Community 6	Jalisco	5,000	2,167	1988	200	20
Community 3	Jalisco	4,000	1,257	1988	200	22
Ranchos						
Community 7	Jalisco	3,000	615	1988	200	15
Community 20	Jalisco	3,000	1,900	1982	106	14

Table 1 (Continued)

Type of Community and Name	1990 State	1940 Population ^a	Survey Population	Mexico		
				Sample Year	U.S. Size*	Sample*
Community 21	Jalisco	2,000	1,128	1982	94	6
Community 10	Michoacán	2,000	808	1989	150	20
Community 5	Guanajuato	2,000	1,630	1988	150	10
Community 34	Zacatecas	2,000	30,894	1995	149	0
Community 30	Zacatecas	1,000	384	1991	187	0
Community 16	Guanajuato	1,000	303	1991	100	10
Community 39	S.L.P.	1,000	29,556	1995	100	0
Community 25	Jalisco	1,000	275	1992	100	7
Community 37	S.L.P.	1,000	13,933	1995	102	0

*Sample size refers to number of households in the sample.

^aRounded to nearest thousand

^bPopulation of metropolitan area

Source: Mexican Migration Project (1995)

with or without documents. In addition, interviewers collected data from about 20 migration households who had moved to the U.S. in the summer following data collection in Mexico.

Migrating on a First and Subsequent U.S. Trip

To examine the chances of making a first U.S. trip, the key variables are birth dates and when and how each household member took a first trip to the United States by the time of the interview. For each year of life, a household member had three possible choices: (1) not to make a trip, coded as zero; (2) to make an unauthorized trip (either w/o docs or with tourist visas, border crossing cards, or borrowed/false docs, who also had U.S. work experience), coded as one; or (3) to migrate legally, coded two. Once a person migrated, he or she was excluded from subsequent analysis.

Individual life-histories were used to estimate age-period models of migration. For men and women, two types of probabilities are estimated:

- (1) the probability that a man/woman aged 20-24 would migrate, legally or illegally, to the United States for the first time in a given year, and

- (2) the cumulative probability that men/women by age 40 would have made a first legal or illegal trip to the United States.¹

We then extended these models to measure recurrent migration, and therefore, estimated two sets of probabilities:

- (1) the probability that a young man would migrate, legally or illegally, on a subsequent trip (after making a first trip), and
- (2) the cumulative probability that men by age 40 would migrate on a second legal or illegal U.S. trip.²

For example, in Community 2, a large metro area in the state of Guanajuato, the chance that a young man aged 20-24 would migrate illegally to the United States was just 1 percent in 1994. Based on the model and year-by-year migration probabilities for all men in the sample, we would expect about 16 percent of men to migrate to the U.S. at least once illegally by age 40.

To better understand trends over time, consider a typical community, say community 11, which in 1990 was a small urban area with a population of 20,000. Table 2 shows that 12 percent of men aged 20-24 in this community took a first illegal trip in 1980. Ten years later, despite high rates of legal migration associated with IRCA's amnesty program, 11 percent of the young men made a first unauthorized trip. However, in 1991, the chance of making an illegal first trip dropped to 5 percent, then rose to 7 percent in 1994, meaning that 7 of 100 young men in community 11 made a first illegal trip to the United States in 1994.

Probabilities for communities 3 and 10, which are much smaller and more typical of the villages that depend on emigration and remittances to supplement earnings from a mostly agricultural economy, illustrate similar patterns. In general, young men were more likely to make a first illegal than legal U.S. trip until 1986. In 1986, the chance of making a first illegal trip from community 10 was 45 percent, twice as high as making a first legal trip. In community 3, the chance of making an unauthorized trip was 38 percent, more than 10 times higher than making a legal trip.

By 1987, the pattern had changed. In community 3, young men still faced higher chances of migrating illegally than legally, but the difference between the two narrowed considerably after 1986. For men in community 10, however, the pattern reversed—beginning in 1987, the chance that a young man would migrate legally was higher than migrating illegally. In 1992, 60 of 100 young men in community 10 made a first authorized trip, representing the highest migration probability recorded since 1980.

The second panel of Table 2 presents cumulative probabilities which answer the question, what is the probability that a young man would have taken at least

Table 2
Predicted Cumulative Probabilities that a Male Household Head Migrates on a
First U.S. Trip, for Selected Communities, 1980-94

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
With Documents															
Community 2	.00	.01	.00	.00	.01	.00	.00	.01	.02	.01	.02	.01	.02	.01	.01
Community 11	.03	.03	.03	.03	.03	.03	.03	.05	.09	.09	.10	.08	.11	.04	.08
Community 3	.03	.04	.03	.03	.03	.03	.03	.06	.11	.12	.11	.10	.14	.05	.10
Community 10	.23	.25	.23	.23	.23	.21	.21	.37	.52	.57	.51	.53	.60	.34	.51
Without Documents															
Community 2	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01
Community 11	.12	.11	.09	.09	.13	.14	.15	.08	.09	.05	.11	.05	.06	.03	.07
Community 3	.32	.31	.27	.26	.34	.36	.38	.24	.26	.15	.30	.15	.17	.11	.20
Community 10	.38	.37	.33	.33	.40	.43	.45	.25	.22	.13	.25	.14	.13	.13	.18
Cumulative Probabilities by Age 40															
With Documents															
Community 2	.11	.12	.10	.10	.11	.10	.11	.18	.18	.19	.15	.21	.07	.16	.29
Community 11	.18	.20	.20	.21	.18	.15	.15	.35	.55	.41	.50	.58	.31	.46	.52
Community 3	.08	.09	.09	.09	.08	.07	.06	.18	.39	.23	.35	.40	.25	.30	.30
Community 10	.33	.36	.36	.37	.33	.29	.28	.55	.78	.63	.76	.79	.68	.71	.71
Without Documents															
Community 2	.29	.27	.23	.23	.31	.34	.36	.20	.08	.18	.08	.09	.05	.10	.16
Community 11	.81	.79	.77	.76	.81	.84	.85	.63	.35	.56	.37	.36	.33	.44	.47
Community 3	.92	.91	.91	.91	.92	.93	.94	.82	.60	.77	.64	.60	.67	.70	.70
Community 10	.67	.64	.64	.63	.67	.71	.72	.45	.22	.37	.24	.21	.32	.29	.29

one unauthorized or legal trip to the United States by age 40? The probabilities for each community are based on the rates of out migration that were estimated for each community between 1940 and 1992. Young men enter the pool of potential migrants at birth, and leave at age 39 or by death. The pool of those who could migrate—the denominator—is all men in the community under age 40 who have so far not migrated legally or illegally.

Once again, beginning with community 2, men by age 40 had a 29 percent chance of migrating illegally on a first trip in 1980, or about one in three men under 40 in this section of Guadalajara were predicted to have made at least one illegal trip to the U.S. by 1980. By the mid 1980s, the chance that a man would make at least one illegal trip rose to 36 percent but then fell, dropping to 20 percent and in 1988 to just 8 percent. The decline continued through 1992, when the lifetime chance of making a first unauthorized trip was just 5 percent. However, two years later, it had risen to 16 percent.

So far, our results suggest three key findings. First, from some communities, virtually all young men will make an initial U.S. trip by age 40. Second, the chances of migrating illegally and legally vary considerably by origin community—they are lower than in larger metropolitan areas than in smaller rural communities. Third, despite declines immediately after 1986, the probability of making an initial unauthorized U.S. trip by age 40 began to rise again by the 1990s, based on a model that uses migration experience through 1992.

Table 3 presents the same probabilities of migration calculated for women in the four communities. Like those for men, they reveal that: (1) by age 40, most women will migrate to the United States on a first trip; and (2) the incentives to migrate have changed since 1980. However, despite the similarities, year-by-year probabilities show that shifts in the chances of migrating legally and illegally were more gradual than those for men. For example, declines in the chances that a woman would migrate illegally occurred in the 1990s rather than immediately after 1986.

Finally, the probabilities presented in Table 4 suggest that more recent repeat trips to the United States were made with legal documents rather than without them. In communities 2, 11, and 10, the lifetime chance of making a second trip (after making a first) with legal documents was much higher than making an illegal trip in the mid 1990s. Before 1987, however, the chance of making a second unauthorized trip was much higher than migrating legally.

Community Similarities and Differences

To better understand migration trends over a longer period of time for all 39 communities, we estimated the probabilities of migration separately for each year beginning in 1943. From these probabilities (see Appendices 1-3), we derive

Table 3
Predicted Cumulative Probabilities that a Woman Migrates on a First U.S. Trip, for Selected Communities, 1980-94

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
With Documents															
Community 2	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.04
Community 11	.11	.12	.12	.14	.12	.13	.13	.13	.14	.14	.15	.17	.20	.25	.32
Community 3	.05	.05	.05	.06	.05	.05	.05	.06	.06	.06	.07	.08	.10	.13	.17
Community 10	.19	.19	.20	.23	.21	.21	.21	.22	.23	.23	.26	.29	.32	.40	.47
Without Documents															
Community 2	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01
Community 11	.20	.20	.20	.21	.22	.23	.24	.25	.25	.27	.31	.36	.34	.38	.28
Community 3	.12	.12	.13	.14	.14	.15	.15	.16	.16	.18	.21	.26	.25	.30	.22
Community 10	.15	.15	.15	.16	.16	.17	.18	.18	.19	.20	.23	.26	.24	.26	.18
Cumulative Probabilities by Age 40															
With Documents															
Community 2	.25	.26	.27	.31	.28	.29	.30	.31	.20	.24	.29	.32	.45	.51	.69
Community 11	.53	.53	.54	.56	.53	.52	.51	.52	.51	.50	.49	.54	.57	.70	.70
Community 3	.40	.41	.41	.44	.41	.40	.40	.40	.40	.39	.39	.44	.48	.61	.61
Community 10	.72	.72	.73	.75	.72	.71	.71	.71	.70	.70	.69	.73	.75	.84	.84
Without Documents															
Community 2	.13	.14	.14	.15	.15	.16	.17	.17	.10	.12	.14	.13	.16	.11	.16
Community 11	.47	.47	.46	.44	.47	.48	.49	.48	.49	.50	.51	.46	.43	.30	.30
Community 3	.60	.59	.59	.56	.59	.60	.60	.60	.59	.60	.60	.56	.52	.39	.39
Community 10	.28	.28	.27	.25	.28	.29	.29	.29	.29	.30	.31	.27	.25	.16	.16

Table 4
Predicted Cumulative Probabilities that a Man Migrates on a
Subsequent U.S. Trip, for Selected Communities, 1980-94*

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
With Documents															
Community 2	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.08	.06	.08	.03	.09
Community 11	.10	.09	.10	.09	.09	.09	.09	.15	.19	.22	.30	.25	.32	.15	.34
Community 3	.06	.05	.06	.05	.06	.06	.05	.10	.12	.16	.21	.17	.23	.10	.24
Community 10	.37	.35	.39	.35	.37	.36	.34	.52	.58	.68	.73	.68	.76	.55	.75
Without Documents															
Community 2	.05	.05	.04	.05	.05	.05	.06	.04	.05	.02	.04	.03	.03	.03	.05
Community 11	.13	.12	.11	.12	.13	.13	.16	.10	.11	.05	.08	.07	.06	.08	.09
Community 3	.34	.33	.31	.33	.34	.34	.39	.27	.30	.16	.24	.22	.20	.24	.27
Community 10	.36	.36	.32	.36	.36	.36	.41	.24	.23	.12	.14	.15	.11	.21	.14
Cumulative Probabilities by Age 40															
With Documents															
Community 2	.22	.21	.24	.21	.22	.21	.20	.35	.43	.53	.46	.57	.30	.57	.63
Community 11	.41	.39	.45	.39	.41	.40	.36	.59	.78	.78	.75	.82	.62	.78	.78
Community 3	.14	.13	.16	.13	.13	.13	.11	.24	.47	.44	.41	.51	.28	.45	.45
Community 10	.49	.48	.53	.47	.49	.48	.44	.66	.84	.83	.81	.86	.71	.83	.83
Without Documents															
Community 2	.61	.60	.56	.60	.60	.61	.68	.47	.21	.29	.28	.24	.33	.30	.34
Community 11	.59	.60	.55	.60	.59	.60	.64	.41	.20	.22	.24	.18	.36	.22	.22
Community 3	.86	.87	.84	.87	.87	.87	.89	.76	.53	.56	.59	.49	.72	.55	.55
Community 10	.51	.52	.47	.53	.51	.52	.56	.34	.16	.17	.19	.14	.29	.17	.17

*Community 2 represents communities 2 and 24.

Figures 1-15. Figures 1-5 illustrates trends in the chances that a male household head migrates on a first U.S. trip, Figures 6-10 document shifts in the chances that a woman migrates on a first U.S. trip, and Figures 11-15 describe trends in the chances that a male household head makes a second U.S. trip. In each set of figures, the first figure summarizes the probabilities of migrating across all 39 communities in 1943-94, and the next four figures describe the probabilities for communities 2, 11, 3 and 10 in 1971-94.

On the whole, the figures reveal the same difference that we observed earlier between the predicted and cumulative probabilities. The predicted chances that young men migrate on a first illegal or legal trip at age 20-24 was quite low throughout the period, but magnified over 40 years, the chances of migrating were considerably higher.

Figure 1 illustrates how, in the beginning of the Bracero period, the chance that young men would migrate on a first U.S. trip with documents was higher than the probability of migrating illegally. In 1947, young men were more likely to migrate illegally but, after Operation Wetback in 1954, the probabilities reversed again, and legal migration became the norm until the end of the Bracero Program.

After 1964, however, the cumulative probability that young men migrated legally trended downward, while the cumulative probability of a first illegal trip moved up, peaking at 80 percent in these emigration communities in 1983. Since then, the lifetime probability that a young man would migrate on a first legal trip to the United States by age 40 has fluctuated, with legal and illegal probabilities following similar year-by-year patterns, reaching an all-time low of approximately 20 percent in 1990, and then doubling to at least 40 percent by 1994.

These trends are consistent with evidence that stepped up enforcement and the increased legalization of Braceros in the mid-1950s helped lower the chances of illegal first-time entry. As the number of Braceros was reduced in the late 1950s, and reduced to zero after 1964, the chances of illegal entry grew. This upward pattern continued until the mid 1980s, when IRCA produced both a legalization program and a series of incentives explicitly designed to reduce illegal entry to the United States. As a consequence, the probability of first-time illegal migration dramatically declined in the late 1980s, intersected with that for legal migration, and in recent years the chances of legal and illegal migration converged.

Figures 2 through 5 illustrate how the pressures to migrate have changed over time in the four typical communities. Unlike Figure 1 that described the average probabilities across all 39 communities, trends in Figures 2 through 5 document striking differences among the villages in the chances of migrating on a first U.S. trip. For example, the figures show clearly that, in community 2, a less established migrant sending community, the chance of illegal migration was much lower, and less symmetric, than in other communities. In addition, although the chance of

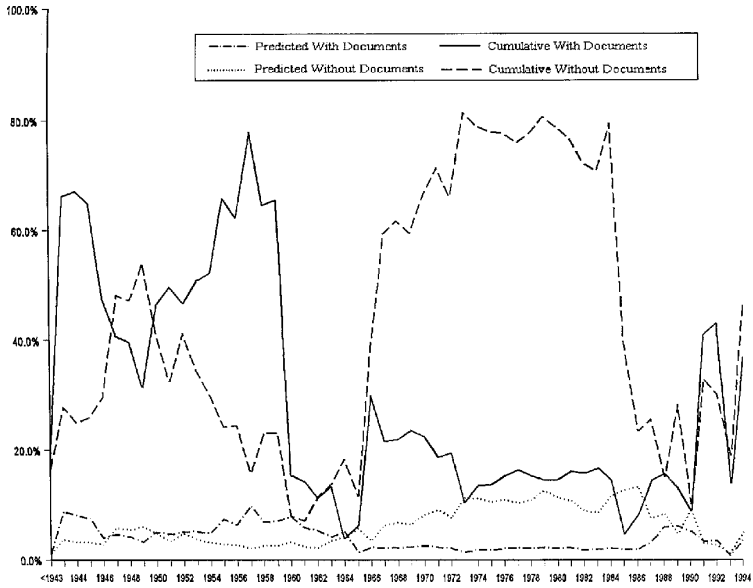


Figure 1. Chances That a Male Household Head Migrates on a First U.S. Trip, for 39 Mexican Communities, 1943–94

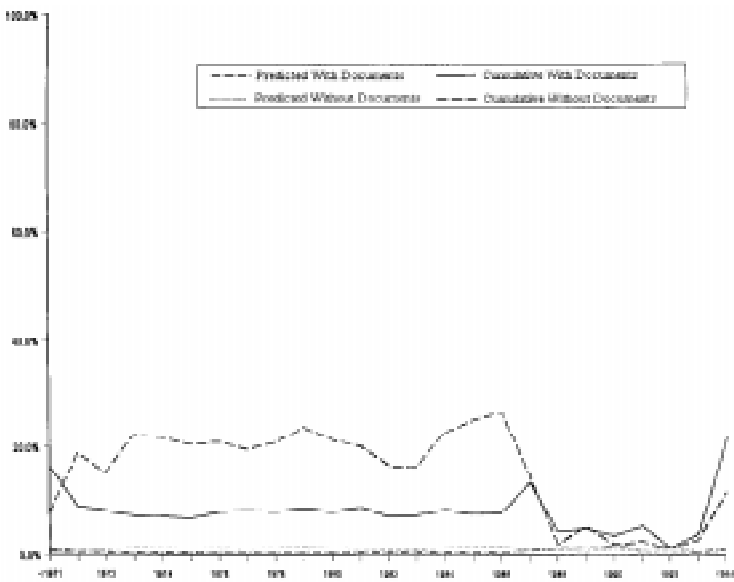


Figure 2. Chances That a Male Household Head Migrates on a First U.S. Trip, for Community 2, 1971–94

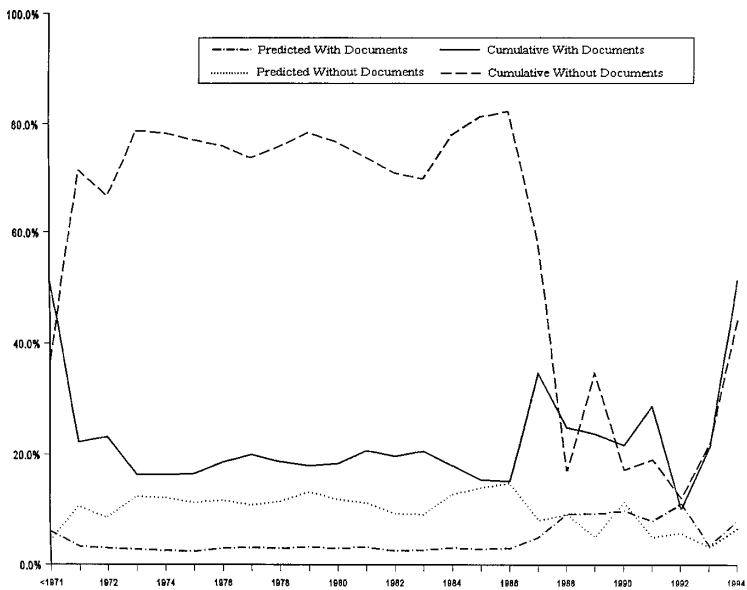


Figure 3. Chances That a Male Household Head Migrates On a First U.S. Trip, for Community 11, 1971–94

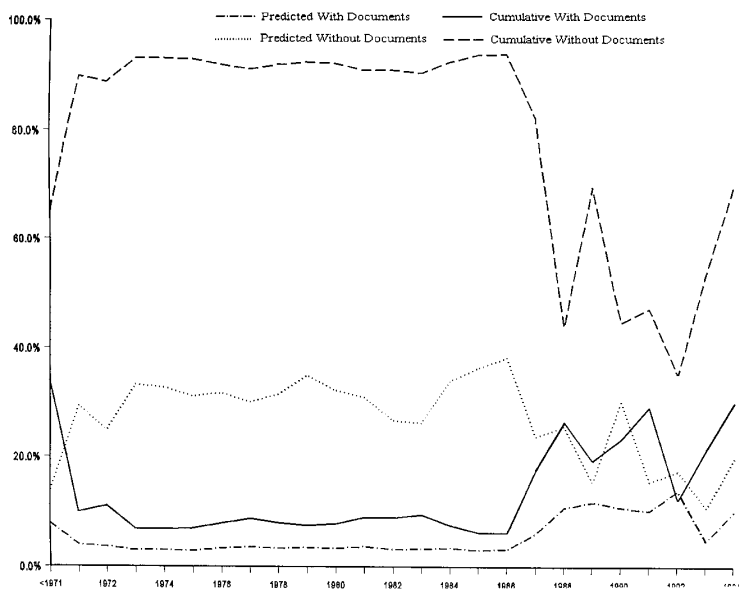


Figure 4. Chances That a Male Household Head Migrates On a First U.S. Trip, for Community 3, 1971–94

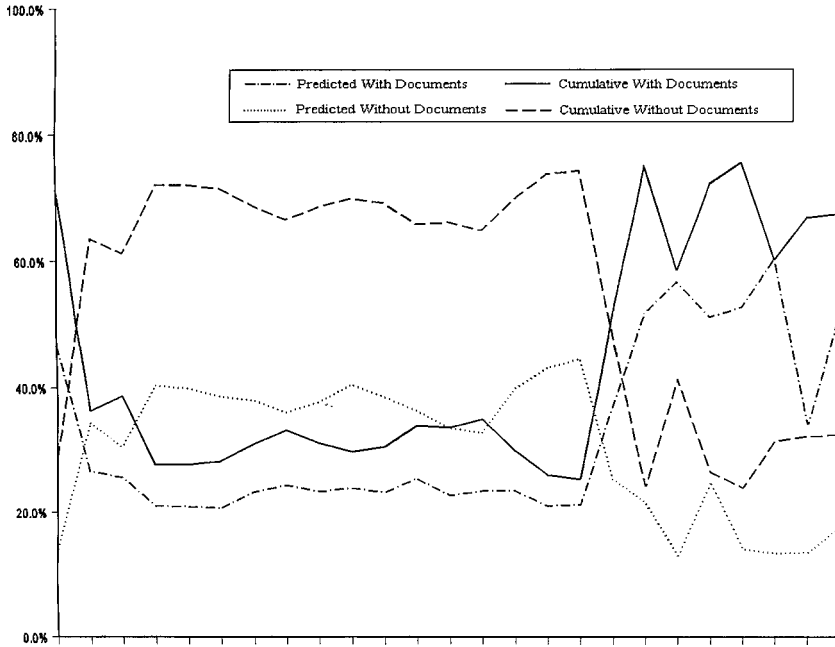


Figure 5. Chances That a Male Household Head Migrates On a First U.S. Trip, for Community 10, 1971-94

making a first illegal trip was higher than a first legal trip from 1971 to 1987 for all communities, since then, differences across communities have emerged. Community 2 is noteworthy in this regard because young men remain more likely to migrate illegally than legally since 1986.

In communities 3 and 10, the most established migrant sending origins from which virtually everyone migrates on a first trip with or without documents, overall trends reveal remarkably high levels of migration and almost perfect symmetry between the two types of cumulative probabilities (see Figures 4 and 5). In 1971, from community 3, the lifetime chance of migrating illegally was close to 90 percent, whereas the chance of illegal migration dropped to roughly 10 percent. In that same year, the cumulative chance of migrating on a first U.S. trip from community 10 was 65 percent for men without documents and 35 percent for those making legal trips.

The chances of migrating continued at the same high levels through 1986, but with an important distinction—migrating legally replaced migrating illegally in these two villages. During the post-IRCA period, the chance of making a legal trip by age 40 grew to a high of 40 percent in community 3, and 80 percent in community 10. In both communities, upward or downward shifts in the chances

of legal and illegal migration essentially mirror each other—a drop in the chance of illegal migration occurred in the same year that the chance of legal migration increased. Despite the shifts, however, the combined chances of migration suggest that virtually everyone will migrate on a first trip by age 40.

Community 10 illustrates Massey et al.'s (1994) view of how migration has become a self-feeding process. Of the 39 communities in the data set, this community has the longest history of U.S. migration. Many residents were legalized in 1987-88, so that the probability of migrating on a first legal trip rose in 1988 and surpassed the chance of making a first unauthorized trip. Later, in the 1990s, with documents themselves, these migrants sponsored the legal migration of their dependents, thus facilitating very high levels of legal migration from this community.

In contrast to the patterns for men, women's chances of migrating on a first legal trip are higher than for a first unauthorized trip throughout the 1943-94 period (see Figure 6). Dramatic increases occurred in two periods. The mid 1960s witnessed the legalization of many Braceros, who in turn sponsored their immediate family

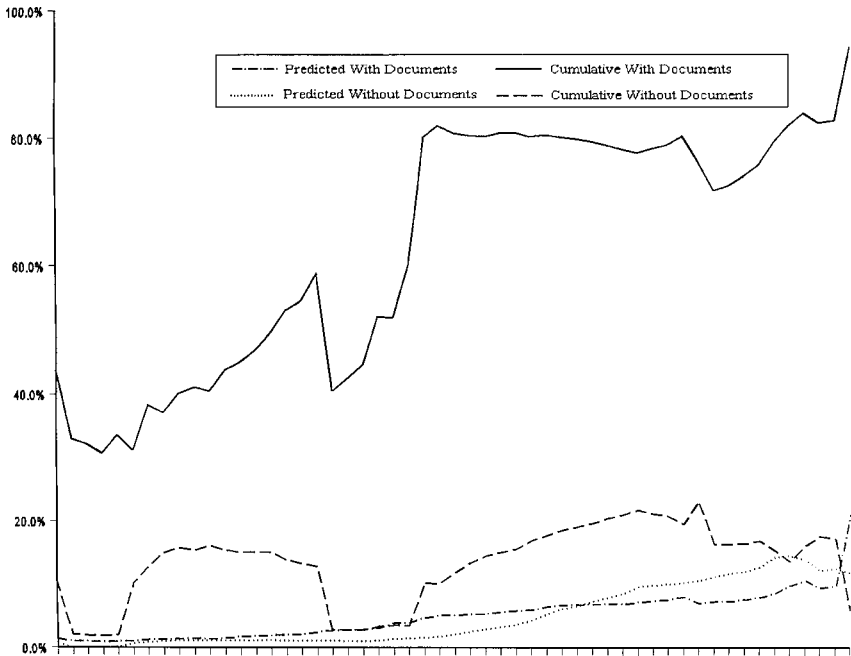


Figure 6. Chances That a Woman Migrates on a First U.S. Trip, for 39 Mexican Communities, 1943–94

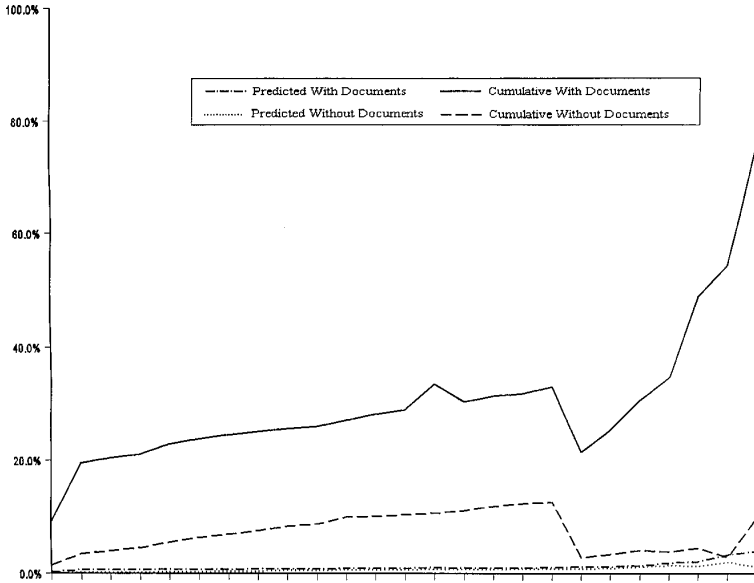


Figure 7. Chances That a Woman Migrates on a First U.S. Trip, for Community 2, 1971-94

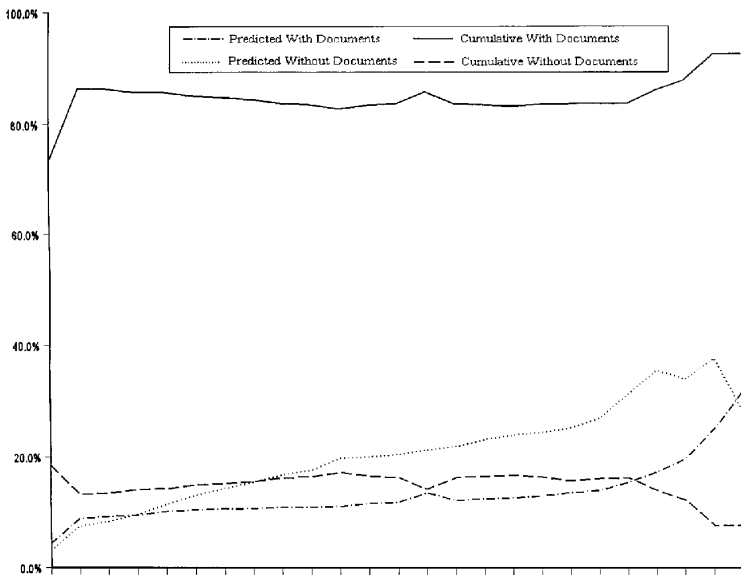


Figure 8. Chances That a Woman Migrates on a First U.S. Trip, for Community 11, 1971-94

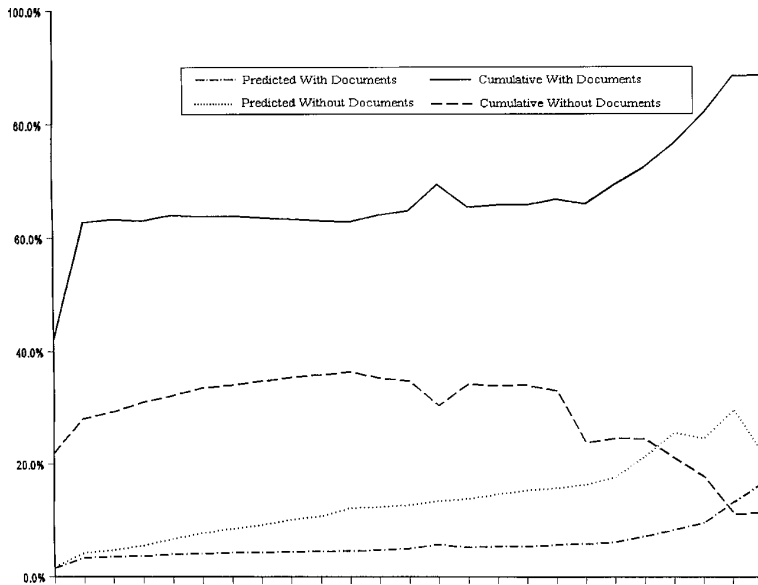


Figure 9. Chances That a Woman Migrates on a First U.S. Trip, for Community 3, 1971-94

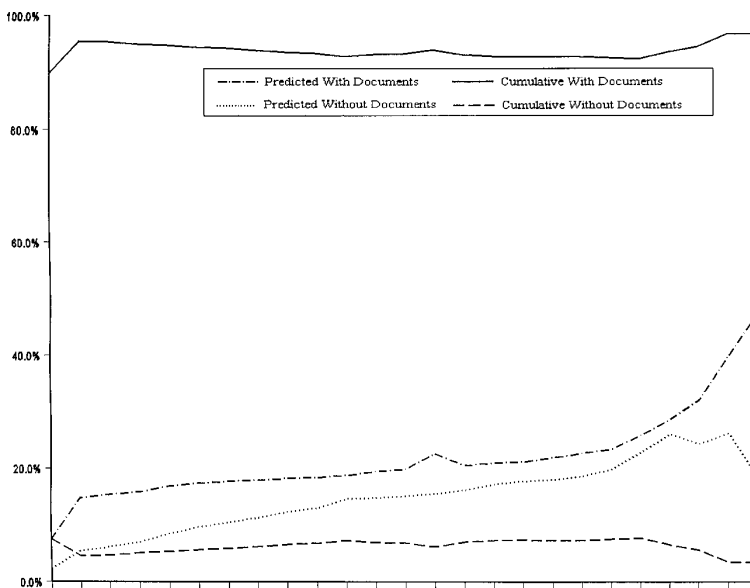


Figure 10. Chances That a Woman Migrates on a First U.S. Trip, for Community 10, 1971-94

members (many of them women) for purposes of family unification (Donato, 1993). In the early 1990s, there was a second peak in a woman's chance to migrate legally as many began to enter as relatives of IRCA's amnesty recipients.

Interestingly, however, Figures 7-10 show that trends in individual communities may differ from Figure 6. For example, community 3 was unusual because here a woman's chance of migrating illegally was higher than migrating legally until 199, when legal migration became the norm. In community 10, the gap in the lifetime chances of legal versus illegal migration was much larger than that observed for all 39 communities.

Finally, Figures 11-15 reveal trends in the chances that men migrate on a second U.S. trip. Across all 39 communities, the cumulative probability of migrating legally was higher than illegal migration during the 1942-64 Bracero period. The crossover year was 1963, when the chances of migrating illegally exceeded those for legal migration. This state of affairs continued until the late 1980s, when the chances of making a second legal trip were higher than making illegal trips. By the early 1990s, however, the two probabilities converged so that roughly 50 percent of men migrated on an illegal or legal second trip.

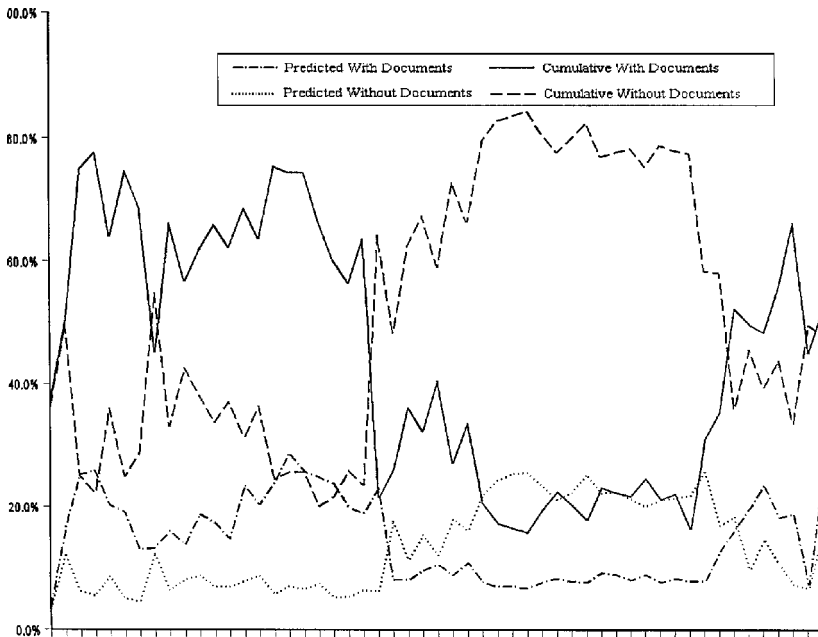


Figure 11. Chances That a Male Household Head Migrates on a Subsequent U.S. Trip, for 39 Mexican Communities, 1943-94

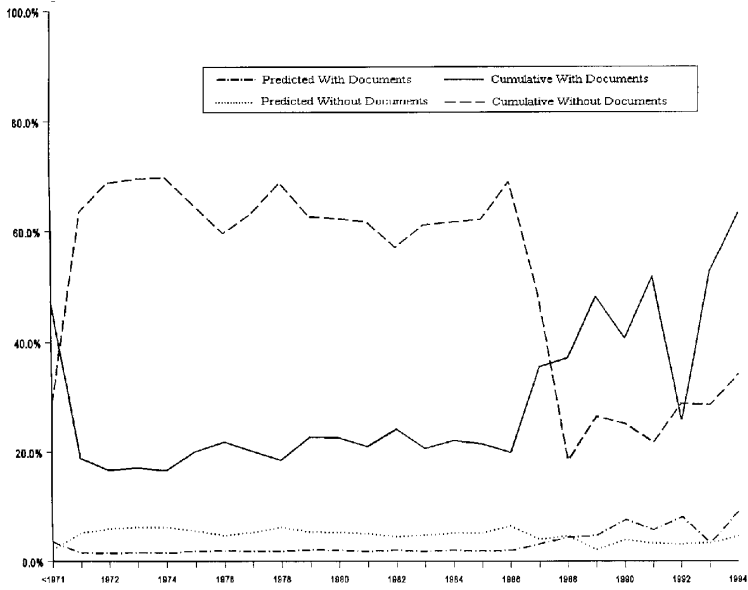


Figure 12. Chances That a Male Household Head Migrates on a Subsequent U.S. Trip, for Community 2, 1971–94



Figure 13. Chances That a Male Household Head Migrates on a Subsequent U.S. Trip, for Community 11, 1971–94

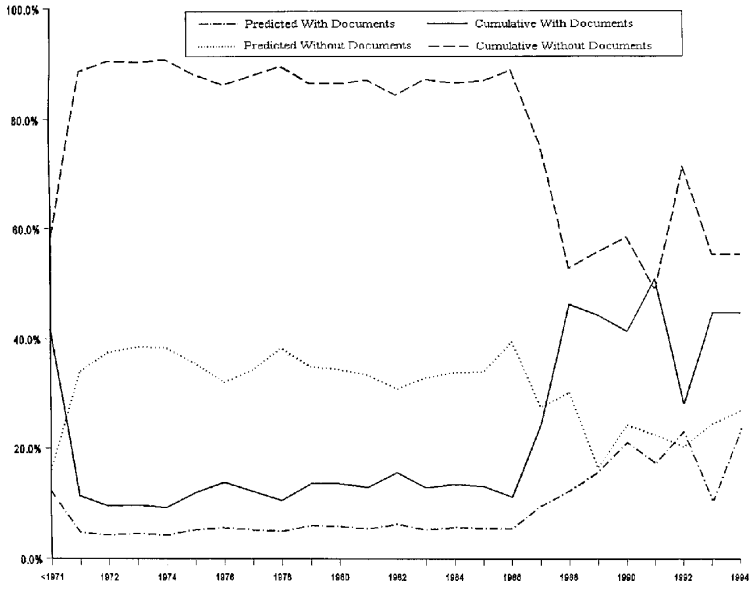


Figure 14. Chances That a Male Household Head Migrates on a Subsequent U.S. Trip, for Community 3, 1971–94

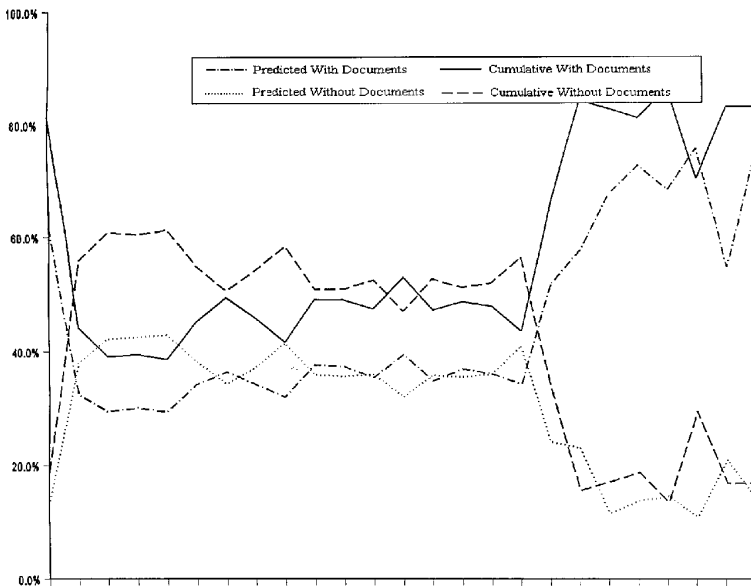


Figure 15. Chances That a Male Household Head Migrates on a Subsequent U.S. Trip, for Community 10, 1971–94

Assessment

These data suggest that the majority of men and women will leave traditional emigration communities west central Mexico on a first U.S. trip by age 40, and that most men will make a subsequent trip. On a year-by-year basis, the major difference was whether Mexicans made their first trips legally or illegally, not whether or not they migrate. Legal status differences were also related to community of origin. From traditional emigration communities, prior high levels of illegal migration have fed on themselves, changing the legal status of newly arriving Mexican migrants without shifting the overall pressures to migrate over the long term. In fact, the present analysis reveals that the chance of migrating on a first trip has begun to rise in the 1990s.

Together with findings from prior community studies, these data suggest that the pressures to migrate are now as high as ever. Although the legalization program appears related to a rapid rise in probabilities of legal migration, it is clear that the overall pressures to migrate in many communities in west central Mexico remain is strong and may be on the rise. So the question is how to get over the current migration peak or hump.³

Examination of migration trends suggests that stepped up enforcement and a legalization program for Braceros combined to lower the chances of illegal migration in the mid-1950s. By the early 1990s, a similar two-pronged control policy existed in the United States. Although the legalization program implemented as part of IRCA and several stepped-up border enforcement programs, especially in San Diego and El Paso, also lowered the chances of illegal first-time migration from Mexico, the pressures to migrate have remained high.

Therefore, our re-analysis of these data suggests that recent migration from communities with long trajectories of migration has become a self-feeding process. After 1986, with amnesty and the ability to sponsor their relatives, many more migrants have been entering legally. But at the same time that the incentives to migrate legally and illegally have changed, high levels of migration prevail.

Notes

1. Note that both probabilities derive from weighted models to correct for differences between the U.S. and Mexican samples. Within Mexico, weights are the number of households in the community divided by the number of households in the sample. Within the United States, weights are the number of out migrant households from each community living in the United States divided by the number of households in each community surveyed in the United States. By pooling and weighing the U.S. and Mexican samples, these data provide a representative profile of the total binational population of all communities in the data set.

2. Unfortunately, data are not yet available to estimate probabilities of recurrent migration for women.

3. This conclusion contrasts with that made by Reyes (1997), who analyzed the MMP data and reported that approximately 50 percent of Mexican migrants return to Mexico. Although many do return home, her figure derives from an analysis that is biased in favor of high emigration rates. By including all MMP observations, of which many refer to the 1942-64 period when Mexican workers were recruited by the U.S. government to work in agriculture and then return home, her estimate of return migration is likely to overestimate the extent to which recent migrants (in the last 10-15 years or so) return to Mexico

Appendix 1
Predicted and Cumulative Probabilities that a Male Household Head Migrates
on a First U.S. Trip, for 39 Communities, 1980-94

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24 With Documents															
Metropolitan Areas															
Community 24	.02	.03	.02	.02	.02	.02	.02	.04	.07	.07	.08	.06	.09	.03	.06
Community 2	.00	.01	.00	.00	.01	.00	.00	.01	.02	.01	.02	.01	.02	.01	.01
Community 32	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.00	.00
Community 19	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.02	.03	.01	.02
Community 15	.01	.01	.01	.01	.01	.01	.01	.02	.04	.04	.04	.03	.04	.01	.03
Community 29	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.01	.02
Community 35	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.01
Community 31	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.00	.01
Community 28	.01	.01	.01	.01	.01	.01	.01	.02	.04	.04	.04	.03	.05	.01	.03
Smaller Urban Areas															
Community 1	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.03	.04	.01	.03
Community 38	.01	.01	.00	.00	.01	.01	.01	.01	.02	.02	.02	.01	.02	.01	.02
Community 26	.03	.04	.03	.03	.03	.03	.03	.05	.10	.10	.10	.08	.12	.04	.09
Community 9	.06	.07	.06	.06	.06	.06	.06	.10	.18	.19	.19	.16	.22	.08	.17
Community 17	.06	.07	.06	.06	.07	.06	.06	.11	.19	.19	.19	.17	.22	.08	.17
Community 27	.03	.03	.02	.03	.03	.03	.03	.05	.09	.09	.09	.08	.10	.03	.08
Community 13	.02	.02	.02	.02	.02	.02	.02	.04	.07	.08	.07	.07	.09	.03	.07
Community 11	.03	.03	.03	.03	.03	.03	.03	.05	.09	.09	.10	.08	.11	.03	.08
Community 4	.01	.01	.00	.00	.01	.01	.01	.01	.02	.02	.02	.01	.02	.01	.02

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.03	.03	.03	.03	.03	.03	.03	.05	.09	.09	.10	.08	.11	.03	.08
Community 23	.02	.02	.01	.01	.02	.02	.02	.03	.05	.05	.05	.04	.06	.02	.04
Community 12	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.04	.01	.03
Community 18	.05	.06	.05	.05	.06	.05	.05	.09	.16	.16	.16	.14	.19	.06	.14
Community 33	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.01	.02
Community 22	.03	.04	.03	.03	.04	.03	.03	.06	.11	.12	.11	.11	.14	.05	.10
Community 14	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.04	.01	.03
Community 8	.05	.05	.04	.04	.05	.04	.04	.08	.14	.15	.15	.13	.18	.06	.13
Community 6	.03	.03	.02	.02	.03	.02	.03	.04	.08	.08	.08	.07	.10	.03	.07
Community 3	.03	.04	.03	.03	.03	.03	.03	.06	.11	.12	.11	.10	.14	.05	.10
Ranchos															
Community 7	.01	.02	.01	.01	.01	.01	.01	.02	.04	.04	.05	.04	.05	.02	.04
Community 20	.02	.02	.02	.02	.02	.02	.02	.03	.06	.06	.06	.05	.07	.02	.05
Community 21	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.02	.03	.01	.02
Community 10	.23	.26	.23	.23	.23	.21	.21	.37	.52	.57	.51	.53	.60	.34	.51
Community 5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Community 34	.08	.09	.08	.08	.08	.07	.08	.14	.24	.26	.24	.23	.29	.12	.22
Community 30	.05	.06	.05	.05	.05	.05	.05	.09	.16	.18	.16	.16	.20	.08	.15
Community 16	.02	.03	.02	.02	.03	.02	.02	.04	.08	.08	.08	.07	.09	.03	.07
Community 39	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.02	.03	.01	.02
Community 25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.01
Community 37	.04	.05	.04	.04	.04	.04	.04	.07	.13	.14	.14	.12	.16	.05	.12

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24 Without Documents															
Metropolitan Areas															
Community 24	.12	.11	.09	.09	.13	.14	.15	.08	.09	.05	.12	.05	.06	.03	.07
Community 2	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01
Community 32	.02	.02	.01	.01	.02	.02	.02	.01	.01	.01	.02	.01	.01	.00	.01
Community 19	.07	.07	.06	.06	.08	.09	.09	.05	.06	.03	.07	.03	.04	.02	.04
Community 15	.04	.03	.03	.03	.04	.04	.05	.02	.03	.01	.04	.01	.02	.01	.02
Community 29	.09	.08	.07	.07	.09	.10	.11	.06	.07	.04	.09	.04	.04	.02	.05
Community 35	.02	.02	.02	.02	.02	.03	.03	.02	.02	.01	.02	.01	.01	.01	.01
Community 31	.03	.03	.02	.02	.03	.04	.04	.02	.02	.01	.03	.01	.02	.01	.02
Community 28	.08	.08	.06	.06	.09	.10	.10	.06	.07	.04	.08	.04	.04	.02	.05
Smaller Urban Areas															
Community 1	.09	.09	.07	.07	.10	.11	.12	.07	.08	.04	.09	.04	.05	.03	.05
Community 38	.07	.07	.06	.06	.08	.09	.09	.05	.06	.03	.07	.03	.04	.02	.04
Community 26	.08	.07	.06	.06	.08	.09	.10	.05	.06	.03	.07	.03	.04	.02	.04
Community 9	.19	.18	.15	.15	.20	.22	.24	.13	.14	.08	.17	.08	.09	.06	.11
Community 17	.14	.14	.11	.11	.15	.17	.18	.10	.10	.06	.13	.06	.06	.04	.08
Community 27	.11	.11	.09	.09	.12	.13	.14	.08	.09	.05	.11	.05	.06	.03	.06
Community 13	.27	.26	.22	.21	.28	.31	.32	.20	.22	.13	.26	.13	.15	.09	.16
Community 11	.12	.11	.09	.09	.13	.14	.15	.08	.09	.05	.11	.05	.06	.03	.07
Community 4	.03	.03	.03	.03	.04	.04	.04	.02	.03	.01	.04	.01	.02	.01	.02

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.11	.10	.09	.08	.12	.13	.14	.08	.09	.05	.11	.05	.05	.03	.06
Community 23	.07	.07	.06	.06	.08	.09	.09	.05	.06	.03	.07	.03	.04	.02	.04
Community 12	.15	.14	.12	.11	.16	.17	.18	.10	.12	.07	.15	.07	.08	.04	.09
Community 18	.14	.13	.11	.11	.15	.16	.17	.09	.10	.06	.12	.06	.06	.04	.07
Community 33	.08	.07	.06	.06	.08	.09	.10	.05	.06	.03	.08	.03	.04	.02	.04
Community 22	.35	.34	.29	.29	.37	.39	.41	.26	.28	.17	.33	.17	.19	.12	.22
Community 14	.05	.05	.04	.04	.06	.06	.07	.04	.04	.02	.05	.02	.03	.01	.03
Community 8	.25	.24	.21	.20	.27	.29	.30	.18	.19	.11	.23	.11	.13	.08	.15
Community 6	.14	.13	.11	.11	.15	.17	.18	.10	.11	.06	.14	.06	.07	.04	.08
Community 3	.32	.31	.27	.26	.34	.36	.38	.24	.26	.15	.30	.15	.17	.11	.20
Ranchos															
Community 7	.12	.11	.09	.09	.12	.14	.15	.08	.09	.05	.12	.05	.06	.03	.07
Community 20	.15	.14	.12	.11	.16	.17	.18	.10	.12	.06	.14	.06	.07	.04	.08
Community 21	.09	.09	.07	.07	.10	.11	.12	.06	.07	.04	.09	.04	.05	.02	.05
Community 10	.38	.36	.33	.33	.40	.43	.45	.25	.22	.13	.25	.14	.13	.13	.18
Community 5	.03	.03	.02	.02	.03	.04	.04	.02	.02	.01	.03	.01	.02	.01	.02
Community 34	.36	.34	.30	.30	.38	.40	.42	.26	.26	.16	.30	.16	.17	.12	.20
Community 30	.40	.38	.34	.33	.42	.44	.46	.30	.31	.19	.36	.20	.21	.14	.25
Community 16	.09	.09	.07	.07	.10	.11	.11	.06	.07	.04	.09	.04	.04	.02	.05
Community 39	.17	.16	.14	.13	.18	.20	.21	.12	.14	.08	.17	.08	.09	.05	.10
Community 25	.04	.04	.03	.03	.04	.05	.05	.03	.03	.02	.04	.02	.02	.01	.02
Community 37	.22	.21	.18	.18	.24	.26	.27	.16	.17	.10	.21	.10	.11	.07	.13

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40 With Documents															
Metropolitan Areas															
Community 24	.15	.17	.16	.17	.15	.12	.12	.29	.20	.19	.18	.24	.08	.17	.45
Community 2	.08	.09	.07	.08	.08	.08	.08	.14	.05	.05	.04	.05	.02	.04	.22
Community 32	.03	.03	.03	.03	.03	.03	.03	.05	.02	.02	.01	.02	.01	.02	.09
Community 19	.09	.10	.09	.09	.09	.08	.07	.17	.08	.08	.07	.10	.03	.07	.28
Community 15	.16	.18	.15	.15	.16	.14	.15	.27	.11	.12	.09	.13	.04	.10	.41
Community 29	.06	.07	.07	.07	.06	.05	.05	.13	.07	.07	.06	.08	.02	.06	.22
Community 35	.06	.07	.06	.06	.06	.06	.06	.11	.04	.04	.03	.04	.01	.03	.17
Community 31	.06	.07	.06	.06	.06	.06	.06	.11	.04	.04	.03	.05	.01	.03	.18
Community 28	.11	.13	.11	.12	.11	.10	.09	.21	.11	.11	.10	.13	.04	.10	.34
Smaller Urban Areas															
Community 1	.09	.10	.09	.10	.09	.07	.07	.18	.10	.10	.08	.12	.04	.08	.29
Community 38	.06	.06	.06	.06	.06	.05	.05	.11	.05	.05	.04	.06	.02	.04	.18
Community 26	.26	.29	.27	.28	.26	.23	.23	.44	.27	.27	.23	.31	.11	.23	.62
Community 9	.22	.24	.24	.25	.21	.18	.18	.41	.44	.38	.39	.48	.21	.38	.57
Community 17	.28	.32	.31	.32	.28	.24	.24	.49	.45	.42	.41	.51	.21	.40	.65
Community 27	.18	.20	.19	.20	.18	.15	.15	.34	.24	.23	.21	.28	.10	.20	.51
Community 13	.06	.07	.07	.08	.06	.05	.05	.15	.19	.14	.16	.21	.08	.15	.26
Community 11	.18	.21	.20	.21	.18	.15	.15	.35	.25	.24	.22	.29	.10	.22	.51
Community 4	.08	.09	.07	.08	.08	.07	.07	.14	.05	.06	.04	.06	.02	.05	.22

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.19	.22	.20	.21	.19	.16	.16	.36	.25	.24	.21	.29	.10	.21	.52
Community 23	.15	.17	.15	.16	.15	.13	.13	.27	.14	.14	.12	.17	.05	.12	.42
Community 12	.05	.06	.06	.06	.05	.04	.04	.11	.08	.08	.07	.10	.03	.07	.20
Community 18	.25	.28	.28	.29	.25	.21	.21	.45	.39	.36	.35	.44	.18	.34	.62
Community 33	.07	.08	.07	.08	.07	.06	.06	.15	.07	.07	.06	.09	.03	.06	.24
Community 22	.07	.09	.08	.09	.07	.06	.06	.17	.27	.19	.24	.29	.13	.21	.29
Community 14	.11	.12	.11	.11	.11	.10	.10	.20	.09	.09	.08	.11	.03	.08	.32
Community 8	.13	.15	.15	.16	.13	.11	.11	.28	.35	.28	.31	.39	.16	.29	.43
Community 6	.14	.16	.15	.16	.14	.12	.11	.28	.22	.20	.19	.25	.09	.19	.44
Community 3	.08	.09	.09	.10	.08	.06	.06	.18	.26	.19	.23	.29	.12	.21	.30
Ranchos															
Community 7	.10	.11	.10	.11	.09	.08	.08	.20	.12	.12	.11	.15	.05	.11	.32
Community 20	.10	.12	.11	.12	.10	.08	.08	.22	.16	.15	.14	.19	.07	.14	.35
Community 21	.07	.08	.07	.08	.07	.06	.06	.14	.08	.08	.07	.09	.03	.07	.24
Community 10	.31	.34	.34	.35	.30	.26	.25	.52	.75	.59	.72	.76	.60	.67	.68
Community 5	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.01	.03
Community 34	.15	.17	.17	.18	.15	.12	.12	.30	.49	.35	.45	.52	.27	.41	.46
Community 30	.09	.10	.10	.11	.09	.07	.07	.20	.35	.23	.31	.37	.18	.28	.33
Community 16	.19	.21	.20	.21	.19	.16	.16	.35	.21	.21	.18	.25	.08	.18	.52
Community 39	.04	.05	.05	.05	.04	.03	.03	.10	.08	.07	.07	.09	.03	.07	.17
Community 25	.05	.05	.04	.05	.05	.04	.04	.09	.03	.04	.03	.04	.01	.03	.14
Community 37	.14	.16	.16	.17	.14	.11	.11	.29	.33	.27	.29	.37	.15	.28	.44

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40															
Without Documents															
Metropolitan Areas															
Community 24	.80	.77	.74	.73	.81	.84	.85	.63	.18	.36	.18	.20	.12	.23	.49
Community 2	.21	.20	.17	.17	.23	.25	.27	.15	.02	.05	.02	.03	.01	.03	.12
Community 32	.26	.24	.20	.20	.27	.30	.32	.18	.03	.06	.03	.03	.02	.04	.15
Community 19	.71	.68	.62	.61	.73	.77	.79	.55	.12	.26	.12	.14	.08	.15	.45
Community 15	.43	.41	.36	.35	.46	.49	.52	.30	.05	.13	.05	.06	.04	.07	.23
Community 29	.77	.75	.68	.68	.79	.82	.84	.62	.14	.30	.14	.16	.09	.18	.52
Community 35	.33	.31	.26	.26	.35	.38	.40	.23	.04	.09	.04	.04	.02	.05	.19
Community 31	.42	.40	.34	.33	.44	.47	.50	.30	.05	.12	.05	.06	.03	.07	.25
Community 28	.73	.70	.65	.64	.75	.79	.80	.56	.13	.28	.13	.15	.08	.17	.46
Smaller Urban Areas															
Community 1	.78	.76	.70	.69	.80	.83	.85	.62	.15	.32	.15	.17	.10	.19	.52
Community 38	.72	.70	.63	.62	.75	.78	.80	.57	.12	.26	.12	.14	.08	.15	.48
Community 26	.62	.59	.56	.54	.64	.68	.70	.44	.11	.24	.11	.12	.08	.14	.31
Community 9	.78	.75	.75	.74	.79	.82	.82	.59	.24	.44	.24	.25	.19	.31	.43
Community 17	.70	.67	.66	.65	.71	.75	.76	.50	.18	.35	.18	.19	.14	.23	.34
Community 27	.76	.73	.70	.69	.78	.81	.82	.58	.16	.34	.17	.19	.11	.21	.44
Community 13	.93	.92	.92	.91	.94	.95	.95	.85	.39	.66	.39	.43	.29	.48	.73
Community 11	.77	.74	.71	.70	.78	.81	.82	.59	.17	.35	.17	.19	.12	.22	.44
Community 4	.45	.43	.37	.36	.48	.51	.54	.32	.06	.13	.06	.07	.03	.07	.26

Appendix 1 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.75	.72	.69	.68	.76	.80	.81	.56	.16	.33	.16	.18	.11	.21	.42
Community 23	.68	.65	.60	.59	.70	.74	.76	.51	.11	.25	.11	.13	.08	.15	.40
Community 12	.90	.89	.86	.85	.92	.93	.94	.79	.23	.46	.23	.27	.15	.30	.69
Community 18	.73	.70	.68	.67	.74	.77	.78	.53	.18	.35	.18	.19	.14	.23	.37
Community 33	.73	.71	.64	.63	.75	.79	.81	.57	.12	.27	.12	.14	.08	.16	.48
Community 22	.93	.91	.91	.91	.93	.94	.94	.83	.47	.72	.48	.50	.38	.57	.71
Community 14	.59	.56	.50	.49	.61	.65	.68	.43	.08	.19	.08	.10	.05	.11	.35
Community 8	.86	.85	.84	.84	.87	.89	.89	.72	.33	.57	.34	.35	.26	.41	.57
Community 6	.83	.80	.78	.77	.84	.86	.87	.66	.21	.41	.21	.23	.15	.27	.52
Community 3	.92	.91	.91	.90	.92	.94	.94	.82	.44	.70	.45	.47	.35	.54	.70
Ranchos															
Community 7	.83	.81	.76	.75	.84	.87	.88	.67	.18	.37	.18	.21	.12	.23	.56
Community 20	.86	.84	.81	.80	.87	.89	.90	.72	.22	.43	.22	.25	.15	.28	.59
Community 21	.78	.76	.70	.69	.80	.83	.85	.63	.14	.31	.14	.17	.09	.19	.53
Community 10	.69	.66	.66	.65	.70	.74	.75	.48	.24	.41	.26	.24	.31	.32	.32
Community 5	.41	.39	.33	.33	.44	.47	.50	.30	.05	.11	.05	.06	.03	.06	.26
Community 34	.85	.83	.83	.82	.85	.88	.88	.70	.39	.61	.41	.40	.37	.48	.54
Community 30	.91	.90	.90	.89	.91	.93	.93	.80	.49	.72	.50	.51	.43	.59	.67
Community 16	.71	.68	.64	.63	.73	.76	.78	.52	.13	.28	.13	.15	.09	.17	.40
Community 39	.93	.92	.89	.89	.94	.95	.96	.84	.27	.52	.27	.31	.18	.34	.75
Community 25	.50	.48	.41	.40	.52	.56	.59	.37	.06	.15	.06	.07	.04	.08	.31
Community 37	.86	.84	.83	.82	.86	.88	.89	.71	.30	.54	.31	.33	.23	.38	.55

Appendix 2
Predicted and Cumulative Probabilities that a Woman Migrates
on a First U.S. Trip, for 39 Communities, 1980-94

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
With Documents															
Metropolitan Areas															
Community 24	.05	.05	.05	.06	.05	.06	.06	.06	.06	.06	.08	.09	.10	.14	.18
Community 2	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.04
Community 32	.02	.02	.02	.03	.02	.03	.03	.03	.03	.03	.04	.05	.05	.08	.09
Community 19	.01	.01	.01	.02	.01	.02	.02	.02	.02	.02	.02	.03	.03	.05	.06
Community 15	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03
Community 29	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05	.07
Community 35	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.06	.07
Community 31	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.05	.06
Community 28	.08	.08	.08	.10	.09	.09	.09	.09	.10	.10	.11	.13	.15	.20	.25
Smaller Urban Areas															
Community 1	.06	.06	.06	.08	.07	.07	.07	.07	.08	.08	.10	.12	.13	.19	.22
Community 38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
Community 26	.15	.16	.16	.19	.17	.17	.18	.18	.19	.20	.22	.25	.28	.36	.43
Community 9	.06	.06	.06	.08	.07	.07	.07	.07	.07	.08	.09	.10	.11	.15	.20
Community 17	.12	.13	.13	.15	.14	.14	.14	.15	.15	.16	.18	.21	.24	.31	.37
Community 27	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.06	.07	.08	.12	.14
Community 13	.05	.05	.05	.06	.05	.05	.05	.06	.06	.06	.07	.09	.10	.15	.18
Community 11	.11	.12	.12	.14	.12	.13	.13	.13	.14	.14	.15	.17	.20	.25	.32
Community 4	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05	.07	.08

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.05	.05	.05	.06	.06	.06	.06	.06	.06	.07	.08	.09	.11	.15	.18
Community 23	.04	.04	.04	.05	.04	.04	.05	.05	.05	.05	.06	.08	.09	.13	.15
Community 12	.08	.08	.08	.10	.09	.09	.09	.09	.10	.10	.11	.12	.14	.19	.24
Community 18	.53	.54	.55	.59	.56	.57	.57	.58	.59	.60	.63	.67	.70	.77	.82
Community 33	.04	.04	.04	.05	.05	.05	.05	.05	.05	.06	.07	.08	.09	.13	.16
Community 22	.23	.24	.24	.28	.25	.26	.26	.27	.27	.28	.30	.33	.37	.44	.53
Community 14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Community 8	.05	.05	.05	.06	.05	.06	.06	.06	.06	.06	.07	.07	.09	.11	.15
Community 6	.02	.02	.02	.03	.02	.02	.02	.03	.03	.03	.03	.04	.05	.07	.09
Community 3	.05	.05	.05	.06	.05	.05	.05	.06	.06	.06	.07	.08	.10	.13	.17
Ranchos															
Community 7	.04	.04	.04	.05	.05	.05	.05	.05	.05	.06	.07	.08	.09	.13	.16
Community 20	.09	.10	.10	.12	.10	.11	.11	.11	.12	.12	.14	.15	.18	.23	.29
Community 21	.08	.08	.08	.09	.08	.09	.09	.09	.10	.10	.12	.14	.16	.22	.27
Community 10	.19	.19	.20	.23	.21	.21	.21	.22	.23	.23	.26	.29	.32	.40	.47
Community 5	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.04
Community 34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
Community 30	.07	.07	.07	.08	.07	.07	.07	.08	.08	.08	.09	.10	.12	.15	.20
Community 16	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05	.06	.07	.08	.12	.14
Community 39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
Community 25	.01	.01	.01	.02	.01	.01	.01	.02	.02	.02	.02	.02	.03	.04	.05
Community 37	.04	.04	.04	.05	.04	.05	.05	.05	.05	.05	.06	.07	.08	.12	.15

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
Without Documents															
Metropolitan Areas															
Community 24	.10	.10	.10	.11	.11	.12	.12	.13	.13	.14	.14	.17	.20	.25	.18
Community 2	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01
Community 32	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.04	.03
Community 19	.04	.04	.04	.04	.04	.05	.05	.05	.05	.06	.07	.09	.09	.11	.08
Community 15	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.05	.03
Community 29	.13	.13	.13	.14	.14	.15	.16	.16	.17	.18	.22	.27	.26	.32	.24
Community 35	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.07	.06	.09	.06
Community 31	.03	.04	.04	.04	.04	.04	.05	.05	.05	.05	.07	.09	.08	.11	.08
Community 28	.15	.16	.16	.17	.17	.18	.19	.20	.20	.22	.26	.30	.29	.33	.25
Smaller Urban Areas															
Community 1	.06	.06	.07	.07	.07	.08	.08	.08	.09	.09	.12	.14	.13	.16	.12
Community 38	.04	.04	.04	.04	.04	.05	.05	.05	.05	.06	.08	.09	.09	.12	.09
Community 26	.12	.12	.12	.13	.13	.14	.14	.15	.15	.16	.19	.22	.21	.23	.16
Community 9	.19	.20	.20	.21	.22	.23	.24	.24	.25	.27	.32	.37	.35	.41	.31
Community 17	.11	.11	.11	.12	.12	.13	.13	.14	.14	.15	.18	.21	.20	.23	.16
Community 27	.04	.04	.04	.05	.05	.05	.05	.06	.06	.06	.08	.10	.10	.12	.09
Community 13	.07	.07	.07	.08	.08	.09	.09	.09	.10	.11	.13	.16	.15	.19	.14
Community 11	.20	.20	.20	.21	.22	.23	.24	.25	.25	.27	.31	.36	.34	.38	.28
Community 4	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.07	.07	.09	.06

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.09	.09	.09	.10	.10	.11	.11	.11	.12	.13	.16	.19	.18	.22	.16
Community 23	.06	.06	.06	.06	.07	.07	.07	.08	.08	.09	.11	.13	.13	.16	.11
Community 12	.21	.22	.22	.23	.24	.25	.26	.27	.27	.29	.34	.39	.37	.42	.32
Community 18	.09	.09	.09	.08	.09	.10	.10	.10	.10	.10	.12	.12	.12	.10	.07
Community 33	.11	.11	.11	.12	.12	.13	.13	.14	.14	.16	.19	.23	.22	.27	.20
Community 22	.18	.18	.18	.19	.20	.21	.21	.22	.22	.24	.27	.30	.28	.29	.20
Community 14	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.02
Community 8	.27	.28	.28	.30	.30	.32	.33	.34	.35	.37	.42	.48	.46	.52	.42
Community 6	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05	.06	.08	.08	.10	.07
Community 3	.12	.12	.13	.14	.14	.15	.15	.16	.16	.18	.21	.26	.25	.30	.22
Ranchos															
Community 7	.06	.06	.06	.07	.07	.07	.08	.08	.08	.09	.11	.14	.13	.17	.12
Community 20	.17	.17	.18	.19	.19	.20	.21	.21	.22	.24	.28	.32	.31	.35	.26
Community 21	.07	.07	.07	.07	.08	.08	.09	.09	.09	.10	.12	.15	.14	.17	.12
Community 10	.15	.15	.15	.16	.16	.17	.18	.18	.19	.20	.23	.26	.24	.26	.18
Community 5	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05	.04	.06	.04
Community 34	.02	.02	.02	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.08	.05
Community 30	.24	.24	.25	.26	.27	.28	.29	.30	.31	.33	.38	.43	.42	.47	.37
Community 16	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.02
Community 39	.11	.11	.11	.12	.12	.13	.14	.14	.15	.16	.19	.24	.23	.29	.22
Community 25	.05	.05	.06	.06	.06	.07	.07	.07	.08	.08	.10	.13	.12	.16	.12
Community 37	.10	.10	.10	.11	.11	.12	.12	.13	.13	.14	.17	.21	.20	.25	.18

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40 With Documents															
Metropolitan Areas															
Community 24	.66	.67	.68	.72	.69	.69	.69	.70	.68	.72	.76	.80	.85	.91	.91
Community 2	.27	.28	.29	.34	.30	.31	.32	.33	.21	.25	.31	.35	.49	.54	.75
Community 32	.52	.54	.55	.61	.57	.58	.58	.60	.45	.51	.59	.64	.79	.84	.93
Community 19	.33	.34	.34	.39	.36	.36	.36	.38	.30	.34	.40	.45	.58	.66	.74
Community 15	.21	.22	.23	.26	.24	.25	.25	.26	.17	.21	.25	.28	.40	.46	.63
Community 29	.33	.34	.34	.38	.35	.35	.35	.36	.35	.39	.43	.48	.57	.67	.68
Community 35	.39	.40	.41	.46	.42	.43	.44	.45	.34	.40	.46	.51	.66	.73	.82
Community 31	.34	.35	.36	.41	.37	.38	.38	.39	.31	.36	.41	.46	.60	.67	.76
Community 28	.76	.77	.78	.81	.78	.78	.78	.79	.79	.80	.81	.84	.86	.91	.91
Smaller Urban Areas															
Community 1	.78	.79	.80	.83	.80	.81	.81	.81	.78	.82	.85	.88	.92	.95	.95
Community 38	.07	.08	.08	.09	.08	.08	.08	.09	.07	.08	.10	.11	.16	.19	.25
Community 26	.92	.92	.93	.94	.92	.92	.92	.92	.92	.92	.92	.94	.94	.97	.97
Community 9	.67	.68	.68	.72	.69	.69	.69	.69	.70	.71	.73	.76	.80	.87	.87
Community 17	.90	.90	.90	.92	.90	.90	.90	.91	.90	.91	.91	.93	.94	.96	.96
Community 27	.64	.65	.66	.71	.67	.68	.68	.69	.61	.67	.73	.78	.87	.91	.93
Community 13	.68	.69	.70	.75	.71	.71	.71	.72	.69	.73	.77	.81	.87	.92	.93
Community 11	.83	.83	.84	.86	.84	.84	.83	.84	.84	.84	.84	.86	.88	.92	.92
Community 4	.45	.46	.47	.52	.48	.49	.50	.51	.40	.46	.52	.58	.72	.78	.86

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.68	.69	.70	.75	.71	.71	.71	.72	.70	.74	.78	.81	.87	.92	.92
Community 23	.64	.65	.66	.71	.67	.67	.67	.69	.63	.68	.74	.78	.86	.91	.92
Community 12	.74	.75	.75	.78	.75	.75	.75	.76	.76	.76	.77	.80	.83	.89	.89
Community 18	.99	.99	.99	.99	.99	.98	.98	.98	.98	.98	.98	.99	.99	.99	.99
Community 33	.61	.62	.63	.68	.64	.64	.64	.65	.64	.67	.71	.76	.82	.88	.89
Community 22	.93	.93	.93	.94	.93	.93	.93	.93	.93	.92	.92	.93	.94	.97	.97
Community 14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
Community 8	.57	.58	.58	.62	.59	.59	.58	.59	.60	.60	.61	.66	.70	.79	.79
Community 6	.46	.48	.49	.54	.50	.51	.51	.52	.42	.48	.55	.60	.74	.80	.86
Community 3	.63	.64	.65	.69	.65	.66	.66	.67	.66	.69	.72	.77	.82	.88	.89
Ranchos															
Community 7	.65	.66	.67	.72	.68	.69	.69	.70	.65	.70	.75	.79	.87	.92	.92
Community 20	.81	.81	.82	.84	.82	.82	.82	.82	.82	.83	.83	.86	.88	.92	.92
Community 21	.83	.84	.85	.88	.85	.85	.85	.86	.84	.87	.89	.91	.93	.96	.96
Community 10	.93	.93	.93	.94	.93	.93	.93	.93	.93	.92	.92	.93	.94	.97	.97
Community 5	.23	.24	.24	.28	.25	.26	.26	.27	.19	.23	.27	.31	.43	.49	.64
Community 34	.08	.09	.09	.11	.09	.10	.10	.10	.07	.08	.10	.12	.18	.21	.30
Community 30	.67	.68	.69	.72	.69	.69	.69	.69	.70	.70	.71	.75	.78	.86	.86
Community 16	.68	.70	.71	.76	.72	.74	.74	.75	.59	.66	.74	.78	.90	.93	.97
Community 39	.05	.05	.05	.06	.05	.05	.05	.05	.05	.06	.07	.08	.11	.14	.15
Community 25	.29	.30	.30	.34	.31	.32	.32	.33	.27	.32	.37	.41	.54	.61	.67
Community 37	.60	.61	.62	.66	.62	.63	.63	.64	.62	.66	.70	.75	.82	.88	.88

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40 Without Documents															
Metropolitan Areas															
Community 24	.33	.32	.31	.27	.31	.31	.31	.30	.20	.20	.20	.17	.15	.09	.09
Community 2	.10	.10	.10	.11	.11	.12	.12	.13	.03	.03	.04	.04	.05	.03	.10
Community 32	.16	.16	.16	.16	.17	.18	.18	.18	.05	.06	.07	.06	.06	.04	.07
Community 19	.42	.42	.42	.42	.44	.45	.46	.46	.15	.18	.21	.19	.20	.13	.25
Community 15	.23	.23	.23	.24	.25	.27	.28	.28	.07	.08	.10	.10	.11	.07	.24
Community 29	.65	.65	.64	.61	.64	.64	.64	.63	.40	.43	.46	.42	.39	.28	.32
Community 35	.32	.32	.32	.32	.34	.35	.36	.36	.11	.13	.15	.14	.14	.09	.17
Community 31	.40	.40	.40	.40	.42	.43	.44	.44	.15	.17	.20	.18	.19	.12	.23
Community 28	.24	.23	.22	.19	.22	.22	.22	.21	.19	.19	.19	.16	.14	.09	.09
Smaller Urban Areas															
Community 1	.20	.20	.19	.16	.19	.19	.19	.18	.11	.12	.11	.10	.08	.05	.05
Community 38	.56	.57	.58	.60	.61	.63	.65	.66	.20	.24	.29	.28	.35	.25	.68
Community 26	.08	.08	.07	.06	.08	.08	.08	.08	.07	.08	.08	.06	.06	.03	.03
Community 9	.33	.32	.32	.28	.31	.31	.31	.31	.27	.27	.27	.23	.20	.13	.13
Community 17	.10	.10	.10	.08	.10	.10	.10	.09	.09	.09	.09	.07	.06	.04	.04
Community 27	.28	.27	.27	.24	.27	.27	.27	.27	.12	.13	.14	.12	.10	.06	.07
Community 13	.29	.29	.28	.24	.28	.28	.28	.27	.16	.16	.17	.14	.12	.07	.07
Community 11	.17	.17	.16	.14	.16	.16	.17	.16	.16	.16	.16	.14	.12	.08	.08
Community 4	.30	.30	.30	.29	.31	.32	.33	.33	.11	.12	.14	.13	.12	.08	.13

Appendix 2 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.30	.29	.29	.25	.28	.28	.28	.27	.18	.18	.18	.15	.13	.08	.08
Community 23	.31	.30	.30	.26	.30	.30	.30	.29	.15	.16	.16	.14	.12	.07	.08
Community 12	.26	.25	.25	.22	.25	.25	.25	.24	.23	.23	.23	.20	.17	.11	.11
Community 18	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01
Community 33	.38	.37	.36	.32	.36	.36	.36	.35	.23	.24	.24	.21	.17	.11	.11
Community 22	.07	.07	.07	.06	.07	.07	.07	.07	.07	.08	.08	.07	.06	.03	.03
Community 14	.20	.21	.21	.23	.23	.25	.26	.27	.06	.07	.09	.09	.12	.08	.42
Community 8	.43	.42	.42	.38	.41	.41	.42	.41	.38	.39	.38	.34	.30	.21	.21
Community 6	.32	.32	.32	.31	.33	.34	.35	.35	.12	.14	.15	.14	.13	.08	.13
Community 3	.36	.35	.35	.30	.34	.34	.34	.33	.24	.25	.25	.21	.18	.11	.11
Ranchos															
Community 7	.30	.30	.29	.26	.29	.29	.29	.29	.15	.16	.16	.14	.12	.07	.08
Community 20	.19	.19	.18	.16	.18	.18	.18	.18	.17	.17	.17	.14	.12	.08	.08
Community 21	.16	.15	.15	.12	.15	.14	.14	.14	.10	.10	.10	.08	.07	.04	.04
Community 10	.07	.07	.07	.06	.07	.07	.07	.07	.07	.08	.08	.07	.06	.03	.03
Community 5	.29	.29	.29	.30	.31	.33	.34	.35	.09	.11	.13	.12	.14	.09	.27
Community 34	.40	.40	.41	.43	.44	.46	.48	.48	.12	.15	.19	.18	.23	.16	.54
Community 30	.33	.32	.31	.28	.31	.31	.31	.31	.29	.29	.29	.25	.22	.14	.14
Community 16	.10	.10	.10	.09	.10	.10	.10	.10	.03	.04	.04	.03	.03	.02	.02
Community 39	.88	.89	.89	.90	.90	.91	.92	.92	.47	.55	.63	.61	.69	.56	.84
Community 25	.54	.54	.54	.53	.56	.57	.58	.58	.22	.26	.30	.27	.28	.19	.32
Community 37	.39	.38	.37	.33	.37	.37	.37	.36	.22	.24	.24	.21	.17	.11	.12

Appendix 3
Predicted and Cumulative Probabilities that a Male Household Head Migrates
on a Subsequent U.S. Trip, for 39 Communities, 1980-94*

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24 With Documents															
Metropolitan Areas															
Community 2	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.08	.06	.08	.03	.09
Community 32	.06	.05	.06	.05	.06	.06	.05	.10	.12	.16	.21	.17	.23	.10	.24
Community 19	.04	.04	.04	.04	.04	.04	.04	.07	.09	.10	.15	.12	.16	.07	.17
Community 15	.12	.11	.12	.11	.12	.11	.11	.18	.23	.28	.36	.30	.38	.20	.40
Community 29	.03	.03	.03	.03	.03	.03	.03	.05	.06	.08	.11	.09	.12	.05	.13
Community 35	.02	.02	.02	.02	.02	.02	.02	.04	.05	.06	.08	.07	.09	.04	.10
Community 31	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01
Community 28	.05	.05	.06	.05	.05	.05	.05	.08	.11	.13	.19	.15	.20	.09	.22
Smaller Urban Areas															
Community 1	.01	.01	.01	.01	.01	.01	.01	.02	.03	.04	.06	.04	.06	.02	.07
Community 38	.03	.03	.03	.03	.03	.03	.03	.05	.07	.08	.12	.09	.13	.05	.14
Community 26	.11	.10	.11	.09	.10	.10	.10	.16	.21	.24	.33	.27	.35	.17	.37
Community 9	.16	.15	.17	.14	.16	.15	.15	.24	.30	.35	.44	.38	.47	.26	.49
Community 17	.18	.16	.18	.16	.17	.17	.17	.26	.32	.37	.47	.41	.49	.27	.51
Community 27	.07	.06	.07	.06	.07	.06	.07	.10	.14	.16	.23	.18	.24	.11	.26
Community 13	.05	.05	.06	.05	.05	.05	.05	.09	.11	.15	.19	.16	.21	.10	.21
Community 11	.10	.09	.10	.09	.09	.09	.09	.15	.19	.22	.30	.25	.32	.15	.34
Community 4	.03	.03	.03	.03	.03	.03	.03	.05	.07	.07	.12	.09	.12	.05	.14

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.07	.06	.07	.06	.06	.06	.06	.10	.14	.16	.23	.18	.24	.11	.26
Community 23	.15	.14	.16	.14	.15	.15	.14	.24	.29	.36	.44	.38	.47	.26	.47
Community 12	.02	.02	.02	.02	.02	.02	.02	.04	.05	.06	.09	.07	.09	.04	.10
Community 18	.14	.13	.14	.12	.14	.13	.13	.21	.26	.31	.40	.34	.43	.22	.44
Community 33	.05	.04	.05	.04	.05	.04	.05	.07	.10	.11	.16	.13	.17	.08	.19
Community 14	.04	.04	.04	.03	.04	.04	.04	.06	.08	.09	.14	.11	.15	.06	.17
Community 8	.06	.05	.06	.05	.06	.05	.05	.09	.12	.15	.20	.16	.22	.10	.23
Community 6	.09	.08	.09	.08	.09	.09	.09	.14	.18	.21	.29	.24	.31	.15	.33
Community 3	.10	.09	.10	.09	.09	.09	.09	.16	.20	.26	.32	.27	.35	.17	.35
Ranchos															
Community 7	.05	.05	.05	.05	.05	.05	.05	.08	.11	.13	.18	.15	.20	.09	.21
Community 20	.06	.06	.07	.06	.06	.06	.06	.11	.14	.18	.23	.19	.26	.12	.25
Community 10	.37	.35	.39	.35	.37	.36	.34	.52	.58	.68	.73	.68	.76	.55	.75
Community 5	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.03
Community 34	.18	.17	.19	.16	.18	.17	.16	.28	.33	.43	.49	.44	.53	.30	.52
Community 30	.03	.03	.03	.03	.03	.03	.03	.05	.07	.07	.12	.09	.12	.05	.14
Community 16	.08	.08	.09	.07	.08	.08	.08	.13	.17	.19	.27	.22	.29	.14	.31
Community 39	.03	.03	.04	.03	.03	.03	.03	.06	.07	.09	.13	.10	.14	.06	.15
Community 25	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.01	.03
Community 37	.08	.07	.08	.07	.08	.08	.08	.12	.16	.19	.26	.21	.28	.13	.30

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Predicted Probabilities at Age 20-24															
Without Documents															
Metropolitan Areas															
Community 2	.05	.05	.04	.05	.05	.05	.06	.04	.05	.02	.04	.03	.03	.03	.05
Community 32	.34	.33	.31	.33	.34	.34	.39	.27	.30	.16	.24	.22	.20	.24	.27
Community 19	.21	.20	.18	.19	.20	.20	.24	.16	.18	.09	.15	.13	.12	.14	.17
Community 15	.26	.25	.23	.25	.26	.26	.30	.20	.21	.11	.16	.15	.13	.17	.17
Community 29	.23	.22	.20	.21	.22	.22	.27	.18	.20	.11	.17	.15	.14	.16	.19
Community 35	.18	.17	.16	.17	.18	.18	.21	.14	.16	.08	.13	.12	.11	.12	.16
Community 31	.05	.05	.04	.04	.05	.05	.06	.04	.04	.02	.04	.03	.03	.03	.04
Community 28	.21	.20	.18	.20	.21	.21	.25	.16	.18	.09	.15	.13	.12	.14	.17
Smaller Urban Areas															
Community 1	.05	.05	.05	.05	.05	.05	.07	.04	.05	.02	.04	.03	.03	.04	.05
Community 38	.25	.24	.22	.24	.24	.24	.29	.20	.22	.12	.19	.17	.16	.17	.21
Community 26	.14	.14	.12	.13	.14	.14	.17	.11	.12	.06	.09	.08	.07	.09	.10
Community 9	.21	.21	.19	.20	.21	.21	.25	.15	.16	.08	.11	.11	.09	.13	.12
Community 17	.22	.22	.19	.21	.22	.22	.26	.16	.17	.08	.12	.11	.09	.14	.13
Community 27	.13	.13	.11	.12	.13	.13	.16	.10	.11	.06	.09	.08	.07	.09	.10
Community 13	.42	.41	.38	.40	.41	.41	.47	.34	.37	.21	.30	.28	.26	.31	.33
Community 11	.13	.12	.11	.12	.13	.13	.16	.10	.11	.05	.08	.07	.06	.08	.09
Community 4	.03	.03	.03	.03	.03	.03	.04	.02	.03	.01	.02	.02	.02	.02	.02

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.16	.16	.14	.15	.16	.16	.20	.12	.14	.07	.11	.10	.09	.11	.12
Community 23	.37	.37	.34	.36	.37	.37	.43	.29	.30	.16	.21	.21	.17	.25	.23
Community 12	.16	.16	.14	.15	.16	.16	.19	.13	.15	.07	.12	.11	.10	.11	.14
Community 18	.23	.22	.20	.22	.22	.23	.27	.17	.18	.09	.13	.12	.11	.15	.14
Community 33	.04	.04	.04	.04	.04	.04	.05	.03	.04	.02	.03	.03	.02	.03	.03
Community 14	.08	.08	.07	.07	.08	.08	.10	.06	.07	.03	.06	.05	.04	.05	.06
Community 8	.26	.26	.23	.25	.26	.26	.31	.21	.23	.12	.18	.17	.15	.18	.21
Community 6	.14	.14	.12	.13	.14	.14	.17	.10	.12	.06	.09	.08	.07	.09	.10
Community 3	.44	.43	.40	.43	.44	.44	.49	.35	.37	.21	.29	.28	.24	.32	.31
Ranchos															
Community 7	.17	.16	.15	.16	.17	.17	.20	.13	.15	.07	.12	.11	.10	.11	.13
Community 20	.43	.42	.39	.41	.42	.42	.48	.35	.37	.21	.30	.28	.26	.31	.33
Community 10	.36	.36	.32	.36	.36	.36	.41	.24	.23	.12	.14	.15	.11	.21	.14
Community 5	.13	.13	.11	.12	.13	.13	.16	.10	.12	.06	.10	.09	.08	.09	.12
Community 34	.44	.44	.40	.43	.44	.44	.49	.34	.34	.19	.24	.24	.20	.30	.25
Community 30	.03	.03	.03	.03	.03	.03	.04	.02	.03	.01	.02	.02	.02	.02	.03
Community 16	.13	.13	.12	.13	.13	.13	.16	.10	.11	.05	.08	.08	.07	.09	.10
Community 39	.28	.27	.25	.27	.28	.28	.33	.22	.25	.13	.21	.19	.18	.20	.24
Community 25	.09	.08	.08	.08	.09	.09	.11	.07	.08	.04	.07	.06	.06	.06	.08
Community 37	.16	.16	.14	.15	.16	.16	.20	.12	.14	.07	.11	.10	.09	.11	.12

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40 With Documents															
Metropolitan Areas															
Community 2	.23	.21	.24	.21	.22	.22	.20	.36	.37	.48	.41	.52	.26	.53	.63
Community 32	.14	.13	.16	.13	.13	.13	.11	.24	.46	.44	.41	.51	.28	.45	.45
Community 19	.15	.15	.18	.15	.15	.15	.13	.27	.46	.47	.44	.54	.29	.48	.48
Community 15	.29	.28	.33	.28	.29	.29	.25	.46	.70	.68	.65	.73	.51	.68	.68
Community 29	.11	.10	.12	.10	.11	.10	.09	.20	.37	.37	.34	.43	.22	.38	.38
Community 35	.10	.10	.12	.10	.10	.10	.08	.19	.32	.35	.31	.40	.19	.36	.37
Community 31	.04	.03	.04	.03	.03	.03	.03	.06	.06	.09	.07	.10	.04	.10	.16
Community 28	.19	.18	.22	.18	.19	.18	.16	.32	.54	.54	.50	.60	.35	.54	.55
Smaller Urban Areas															
Community 1	.17	.16	.18	.15	.17	.16	.15	.28	.28	.38	.32	.41	.19	.42	.54
Community 38	.10	.10	.12	.10	.10	.10	.09	.19	.36	.37	.33	.43	.21	.37	.37
Community 26	.41	.40	.45	.39	.41	.40	.36	.59	.78	.78	.75	.82	.62	.78	.78
Community 9	.41	.40	.45	.40	.41	.40	.36	.59	.80	.78	.76	.82	.63	.78	.78
Community 17	.42	.41	.46	.40	.42	.41	.37	.60	.80	.79	.77	.83	.64	.79	.79
Community 27	.32	.31	.36	.31	.32	.31	.28	.49	.68	.70	.66	.75	.50	.70	.71
Community 13	.10	.10	.12	.10	.10	.10	.08	.19	.39	.37	.34	.43	.22	.37	.37
Community 11	.41	.39	.45	.39	.41	.40	.36	.58	.77	.77	.75	.82	.60	.78	.78
Community 4	.40	.38	.42	.37	.39	.38	.37	.57	.54	.68	.59	.71	.40	.73	.83

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.27	.26	.30	.26	.27	.26	.23	.43	.64	.65	.61	.71	.45	.65	.66
Community 23	.27	.26	.30	.26	.27	.26	.23	.43	.68	.65	.63	.71	.48	.66	.66
Community 12	.11	.11	.13	.11	.11	.11	.09	.21	.33	.37	.33	.42	.21	.38	.40
Community 18	.36	.35	.40	.34	.36	.35	.31	.53	.76	.74	.72	.79	.58	.74	.74
Community 33	.46	.44	.49	.43	.45	.44	.42	.63	.66	.76	.70	.80	.50	.80	.84
Community 14	.31	.29	.33	.29	.30	.30	.27	.47	.56	.65	.58	.69	.41	.67	.70
Community 8	.17	.16	.19	.16	.17	.16	.14	.29	.51	.50	.47	.57	.33	.51	.51
Community 6	.38	.36	.41	.36	.38	.37	.33	.55	.75	.75	.72	.80	.58	.76	.76
Community 3	.17	.16	.19	.16	.17	.16	.14	.29	.53	.51	.48	.57	.33	.51	.51
Ranchos															
Community 7	.22	.21	.25	.21	.22	.21	.18	.36	.56	.58	.54	.64	.38	.59	.59
Community 20	.12	.12	.14	.11	.12	.12	.10	.22	.44	.41	.38	.48	.26	.42	.42
Community 10	.49	.48	.53	.47	.49	.48	.44	.66	.84	.83	.81	.86	.71	.83	.83
Community 5	.04	.04	.04	.04	.04	.04	.03	.07	.11	.13	.11	.15	.06	.14	.17
Community 34	.27	.26	.31	.26	.27	.26	.23	.43	.68	.65	.63	.71	.48	.66	.66
Community 30	.39	.36	.40	.36	.38	.37	.36	.55	.53	.67	.58	.70	.39	.72	.82
Community 16	.37	.35	.41	.35	.37	.36	.32	.54	.73	.74	.71	.79	.56	.75	.75
Community 39	.10	.09	.12	.09	.10	.10	.08	.18	.36	.36	.33	.42	.21	.36	.36
Community 25	.07	.06	.07	.06	.07	.06	.06	.12	.15	.19	.16	.22	.09	.22	.27
Community 37	.31	.30	.35	.30	.31	.30	.27	.48	.69	.69	.66	.75	.51	.70	.70

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Cumulative Probabilities by Age 40															
Without Documents															
Metropolitan Areas															
Community 2	.62	.62	.57	.61	.62	.62	.69	.48	.19	.26	.25	.22	.29	.29	.34
Community 32	.86	.87	.84	.87	.87	.87	.89	.76	.53	.56	.58	.49	.71	.55	.55
Community 19	.84	.85	.82	.85	.85	.85	.87	.73	.46	.51	.53	.44	.65	.51	.52
Community 15	.71	.72	.67	.72	.71	.71	.75	.54	.30	.32	.35	.27	.49	.32	.32
Community 29	.89	.90	.87	.90	.89	.90	.91	.80	.54	.61	.62	.54	.72	.61	.62
Community 35	.89	.90	.88	.90	.89	.90	.91	.80	.50	.60	.60	.53	.68	.61	.63
Community 31	.69	.68	.63	.66	.68	.68	.77	.58	.21	.34	.30	.29	.31	.39	.61
Community 28	.81	.82	.78	.82	.81	.82	.84	.68	.41	.45	.48	.39	.60	.45	.45
Smaller Urban Areas															
Community 1	.66	.65	.61	.64	.65	.66	.73	.53	.20	.30	.28	.25	.31	.33	.41
Community 38	.90	.90	.88	.90	.90	.90	.91	.81	.56	.62	.64	.56	.74	.62	.63
Community 26	.59	.60	.55	.61	.59	.60	.64	.41	.20	.22	.24	.18	.36	.22	.22
Community 9	.59	.60	.55	.60	.59	.60	.64	.41	.20	.22	.24	.18	.36	.22	.22
Community 17	.58	.59	.54	.60	.58	.59	.63	.40	.20	.21	.23	.17	.36	.21	.21
Community 27	.68	.69	.64	.69	.68	.69	.72	.51	.26	.29	.31	.24	.42	.29	.29
Community 13	.90	.90	.88	.90	.90	.90	.92	.81	.61	.63	.66	.57	.78	.63	.63
Community 11	.59	.60	.55	.61	.59	.60	.64	.41	.20	.22	.24	.18	.35	.22	.22
Community 4	.39	.39	.35	.38	.39	.39	.45	.27	.09	.13	.13	.11	.16	.14	.16

Appendix 3 (Continued)

Community and Legal Status	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Towns															
Community 36	.73	.74	.69	.74	.73	.74	.77	.57	.31	.34	.37	.29	.49	.34	.34
Community 23	.73	.74	.70	.74	.73	.74	.77	.57	.32	.35	.37	.29	.52	.34	.34
Community 12	.88	.89	.86	.89	.88	.88	.90	.78	.46	.57	.56	.50	.64	.58	.60
Community 18	.64	.65	.60	.66	.64	.65	.69	.47	.24	.26	.28	.21	.42	.26	.26
Community 33	.44	.44	.39	.44	.44	.44	.50	.30	.11	.15	.15	.12	.19	.15	.16
Community 14	.65	.66	.61	.65	.65	.66	.71	.49	.22	.27	.28	.22	.35	.28	.29
Community 8	.83	.84	.81	.84	.83	.84	.86	.71	.46	.50	.52	.43	.66	.49	.49
Community 6	.62	.63	.58	.64	.62	.63	.67	.45	.22	.25	.27	.20	.38	.24	.24
Community 3	.83	.84	.81	.84	.83	.84	.86	.71	.47	.49	.52	.43	.67	.49	.49
Ranchos															
Community 7	.78	.79	.75	.79	.78	.79	.82	.63	.36	.41	.43	.34	.55	.41	.41
Community 20	.88	.88	.86	.89	.88	.88	.90	.78	.56	.59	.62	.52	.74	.58	.58
Community 10	.51	.52	.47	.53	.51	.52	.56	.34	.16	.17	.19	.14	.29	.17	.17
Community 5	.94	.94	.92	.93	.94	.94	.96	.88	.48	.66	.62	.58	.64	.71	.82
Community 34	.73	.74	.69	.74	.73	.74	.77	.57	.32	.35	.37	.29	.52	.34	.34
Community 30	.42	.41	.37	.41	.41	.42	.48	.29	.10	.14	.14	.12	.17	.15	.17
Community 16	.63	.64	.59	.64	.63	.64	.68	.46	.23	.25	.27	.20	.39	.25	.25
Community 39	.90	.91	.88	.91	.90	.90	.92	.82	.59	.64	.66	.57	.76	.64	.64
Community 25	.86	.85	.82	.84	.85	.85	.90	.76	.34	.50	.46	.43	.49	.55	.68
Community 37	.69	.70	.65	.70	.69	.70	.73	.52	.27	.30	.33	.25	.45	.30	.30

* Community 2 represents communities 2 and 24. Community 20 represents communities 20, 21, and 22.

Technical Appendix: MMP Analysis

The MMP data permit us to separately distinguish between the chances of making an initial (first) or subsequent (two or more) trip to the United States. Together these events determine the overall flow of legal and illegal migrants across the border (see Donato et al., 1992). In this report, we examined the chances that male household heads and women migrate on an initial U.S. trip, and for men, the chances that they migrate on a subsequent trip.

For the analysis, we drew on two basic sources of information: the birth date and the date of the first trip to the United States (compiled for all household members) and the history of border crossing (gathered from household heads). Given each subject's date of birth and year of first trip, we first constructed separate year-by-year life histories up to the date of the first U.S. trip for both men and women. That is, we built discrete-time person-year files that followed each subject from birth to the date of the survey or to the first U.S. trip, whichever came first. For the recurrent trip analysis, we built a similar discrete-time person year file but constructed it from year-by-year files that began with the year migrants returned from their first trip up to the year of their next trip.

Because the outcome measure was trichotomous (migrated illegally, legally, or did not migrate), we used multinomial logistic regression to estimate the chance of migrating with and without legal papers versus not migrating at all (the reference category) (Hosmer and Lemeshow, 1989). The multinomial logit equation is given below:

$$\begin{aligned} g_j(x) &= \ln \frac{P(Y = j | x)}{P(Y = 0 | x)} \\ &= \beta_{j0} + \beta_{j1}x_1 + \beta_{j2}x_2 + \beta_{j3}x_3 \end{aligned}$$

where j represents legal status of migration on a first (or subsequent) trip and 0 indicates no migration, and where $P(Y = j | x)$ is the probability of migration with legal status j given a set of characteristics represented by the vector x . The effects of the explanatory variables in time t on the log-odds ($g_j(x)$) of migrating with legal status j in $t + 1$ are; age given by β_{j1} , period given by β_{j2} , and community given by β_{j3} . Note that period and age are time varying, whereas community is a fixed variable.

We began by estimating age-period models and age-period-community models (see Technical Appendix Tables 1A-3B). From them, we calculated the conditional chances that male household heads (or women) of a given age migrate, legally or illegally, on an initial U.S. trip using the equation below:

$$P(Y = j | x) = \frac{e^{\beta_j(x)}}{\sum_{k=0}^2 e^{\beta_k(x)}}$$

where $\beta_0 = 0$ and hence $\beta_0(x) = 0$.

Using these probabilities as a baseline, we built life tables that produced the cumulative chances that men by age 40 would make a legal, illegal trip, or not migrate, in a certain year (Shyrock et al., 1976). Technical Appendix Table 5 depicts the lifetime migration experience in community 10 in 1994 by age, assuming the probabilities of Mexican out-migration that prevailed up to 1994. These figures show what would happen if a male household head born into this community were to go through life subject to the probabilities of out-migration prevailing in different years. The hypothetical probabilities begin with the assumption that at birth (age interval_{x=0}), the chance of not migrating, P(NM), equals 1 and the probabilities of migrating legally, P(ML), or illegally, P(MIL) equal 0.

At age interval $(x+1)$,

(1) the chance of not migrating is

$$P(NM)_{x+1} = P(NM)_0 - [P(NM)_0 * (P(Y = legal | x \text{ given age } \leq 14) + P(Y = illegal | x \text{ given age } \leq 14))];$$

(2) the chance of migrating legally is

$$P(ML)_{x+1} = [P(ML)_0 + (P(NM)_0 * P(Y = legal | x \text{ given age } \leq 14))]; \text{ and}$$

(3) the chance of migrating illegally is

$$P(MIL)_{x+1} = [P(MIL)_0 + (P(NM)_0 * P(Y = illegal | x \text{ given age } \leq 14))].$$

References

Hosmer, David W., and Stanley Lemeshow. 1989. *Applied Logistic Regression*. New York, NY: John Wiley & Sons, Inc.

Technical Appendix Table 1A
Multinomial Age-Period Analysis of the Probability that Male Household
Heads from 39 Mexican Communities Will Migrate Illegally or Legally
(vs. Not Migrating) on a First U.S. Trip

Age and Period	<u>Illegal vs Not Mig</u>		<u>Legal vs Not Mig</u>	
	B	SE	B	SE
Age				
< 15	—	—	—	—
15-19	2.908	0.113	3.142	0.156
20-24	3.405	0.111	3.832	0.152
25-29	3.202	0.111	3.834	0.152
30-34	2.926	0.113	3.806	0.153
35-39	2.563	0.115	3.837	0.154
40-44	2.438	0.117	3.806	0.156
45-49	2.434	0.119	3.947	0.157
50-54	1.898	0.130	3.621	0.163
55+	0.946	0.140	3.327	0.160
Period				
Before 1943	—	—	—	—
1943	1.328	0.296	2.222	0.228
1944	1.140	0.302	2.137	0.225
1945	1.133	0.289	2.048	0.222
1946	0.980	0.293	1.388	0.254
1947	1.737	0.229	1.560	0.237
1948	1.667	0.229	1.470	0.236
1949	1.774	0.219	1.201	0.248
1950	1.539	0.226	1.639	0.217
1951	1.159	0.244	1.537	0.218
1952	1.534	0.219	1.643	0.210
1953	1.283	0.229	1.642	0.207
1954	1.075	0.237	1.588	0.206
1955	1.031	0.236	2.029	0.191
1956	0.962	0.238	1.868	0.193
1957	0.696	0.255	2.326	0.183
1958	0.925	0.235	1.936	0.189
1959	0.943	0.231	1.976	0.187
1960	1.167	0.217	2.095	0.183
1961	0.845	0.231	1.771	0.188
1962	0.712	0.238	1.681	0.189
1963	1.187	0.210	1.442	0.194

Technical Appendix Table 1A (Continued)

Age and Period	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
1964	1.415	0.200	1.664	0.188
1965	1.673	0.190	0.366*	0.233
1966	1.168	0.206	0.812	0.209
1967	1.793	0.186	0.735	0.211
1968	1.885	0.183	0.816	0.206
1969	1.833	0.184	0.871	0.203
1970	2.093	0.179	1.007	0.197
1971	2.216	0.176	0.878	0.200
1972	2.005	0.179	0.750	0.202
1973	2.422	0.173	0.683	0.204
1974	2.413	0.173	0.666	0.203
1975	2.360	0.173	0.668	0.203
1976	2.411	0.173	0.805	0.196
1977	2.350	0.172	0.833	0.194
1978	2.412	0.172	0.807	0.194
1979	2.566	0.170	0.901	0.191
1980	2.443	0.171	0.793	0.192
1981	2.389	0.171	0.857	0.190
1982	2.175	0.173	0.638	0.194
1983	2.129	0.174	0.667	0.194
1984	2.480	0.171	0.808	0.190
1985	2.574	0.170	0.706	0.193
1986	2.635	0.169	0.749	0.191
1987	1.992	0.176	1.218	0.181
1988	2.152	0.175	1.849	0.174
1989	1.532	0.186	1.851	0.175
1990	2.263	0.176	1.740	0.177
1991	1.051	0.214	1.195	0.190
1992	0.941	0.237	1.226	0.197
1993	0.118*	0.335	-0.362*	0.311
1994	1.573	0.346	1.302	0.291
Intercept	-7.893*	0.186	-8.365*	0.212
Chi-Square			11,183	
Person-Years			218,012	

* Not significant, $p > .05$

Technical Appendix Table 1B
Multinomial Age-Period-Community Analysis of the Probability that
Male Household Heads from 39 Mexican Communities Will Migrate
Illegally or Legally (vs. Not Migrating) on a First U.S. Trip: 1971–94

Age, Period, and Community	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
Age				
< 15	–	–	–	–
15-19	2.912	0.114	3.177	0.156
20-24	3.306	0.111	3.760	0.151
25-29	3.045	0.112	3.625	0.152
30-34	2.769	0.113	3.503	0.153
35-39	2.445	0.116	3.518	0.154
40-44	2.328	0.118	3.447	0.156
45-49	2.323	0.120	3.586	0.157
50-54	1.744	0.131	3.229	0.163
55+	0.617	0.140	2.759	0.160
Period				
Before 1971	–	–	–	–
1971	0.921	0.079	-0.546	0.119
1972	0.687	0.085	-0.697	0.124
1973	1.100	0.071	-0.764	0.126
1974	1.071	0.071	-0.789	0.124
1975	0.996	0.072	-0.848	0.124
1976	1.030	0.070	-0.671	0.112
1977	0.956	0.070	-0.649	0.109
1978	1.022	0.068	-0.671	0.108
1979	1.183	0.064	-0.562	0.102
1980	1.054	0.066	-0.667	0.105
1981	0.999	0.067	-0.597	0.101
1982	0.781	0.071	-0.824	0.109
1983	0.757	0.073	-0.787	0.108
1984	1.137	0.065	-0.609	0.102
1985	1.238	0.063	-0.698	0.106
1986	1.316	0.061	-0.639	0.102
1987	0.661	0.077	-0.168	0.082
1988	0.838	0.075	0.502	0.066
1989	0.194	0.099	0.460	0.067
1990	1.085	0.078	0.595	0.074
1991	0.177*	0.146	0.298	0.102
1992	0.370	0.179	0.667	0.118
1993	-0.310*	0.298	-0.560	0.217
1994	0.474*	0.316	0.333*	0.254

Technical Appendix Table 1B (Continued)

Age, Period, and Community	<u>Illegal vs Not Mig</u>		<u>Legal vs Not Mig</u>	
	B	SE	B	SE
Community				
1	—	—	—	—
2	-1.999	0.336	-0.904	0.367
3	1.557	0.151	1.477	0.244
4	-1.068	0.168	-0.728	0.254
5	-1.244	0.439	-2.749	1.488
6	0.475	0.170	0.941	0.247
7	0.232*	0.188	0.284*	0.302
8	1.223	0.133	1.713	0.216
9	0.893	0.124	1.934	0.204
10	2.251	0.159	3.916	0.215
11	0.275	0.133	1.070	0.209
12	0.505	0.135	-0.128*	0.233
13	1.276	0.130	0.949	0.212
14	-0.614	0.178	-0.168*	0.257
15	-1.052	0.187	0.044*	0.238
16	-0.031	0.349	0.846	0.385
17	0.533	0.142	1.908	0.210
18	0.471	0.139	1.688	0.208
19	-0.270*	0.143	-0.217*	0.229
20	0.500	0.225	0.626*	0.326
21	-0.044*	0.264	-0.268*	0.409
22	1.682	0.147	1.549	0.232
23	-0.253*	0.195	0.371*	0.271
24	0.286*	0.328	0.829	0.408
25	-0.956	0.394	-1.214	0.744
26	-0.209*	0.143	1.096	0.210
27	0.222*	0.151	1.004	0.221
28	-0.147*	0.154	0.137*	0.236
29	-0.101*	0.169	-0.416*	0.295
30	1.926	0.161	2.025	0.240
31	-1.200	0.134	-1.033	0.215
32	-1.824	0.224	-1.874	0.350
33	-0.213*	0.151	-0.354*	0.245
34	1.804	0.177	2.488	0.243
35	-1.496	0.208	-1.099	0.300
36	0.194*	0.237	1.046	0.282
37	1.067	0.283	1.581	0.334
38	-0.277*	0.198	-0.702*	0.360
39	0.687	0.198	-0.147*	0.380
Intercept	-6.608	0.164	-7.512	0.249
Chi-Square			20,611	
Person-Years			218,012	

* Not significant, $p > .05$

Technical Appendix Table 2A
Multinomial Age-Period Analysis of the Probability that Women
from 39 Mexican Communities Will Migrate Illegally
or Legally (vs. Not Migrating) on a First U.S. Trip

Age and Period	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
Age				
< 15	—	—	—	—
15-19	1.500	0.031	-0.084	0.017
20-24	2.242	0.028	-0.017*	0.018
25-29	2.382	0.028	0.050	0.019
30-34	2.213	0.030	0.001*	0.021
35-39	2.075	0.032	-0.066	0.024
40-44	1.916	0.036	-0.097	0.027
45-49	1.611	0.042	-0.151	0.031
50-54	1.407	0.050	-0.245	0.038
55+	1.143	0.043	-0.562	0.032
Period				
Before 1943	—	—	—	—
1943	-1.791	0.906	-0.418	0.180
1944	-1.859	0.906	-0.446	0.177
1945	-1.956	0.906	-0.508	0.177
1946	-1.850	0.822	-0.398	0.162
1947	-0.206*	0.364	-0.443	0.162
1948	0.136*	0.306	-0.166*	0.139
1949	0.301*	0.279	-0.193*	0.138
1950	0.407*	0.258	-0.083*	0.128
1951	0.396*	0.252	-0.047*	0.122
1952	0.437*	0.241	-0.067*	0.121
1953	0.430*	0.236	0.040*	0.112
1954	0.422*	0.232	0.078*	0.108
1955	0.450	0.222	0.138*	0.102
1956	0.494	0.214	0.226	0.097
1957	0.457	0.212	0.323	0.091
1958	0.432	0.210	0.357	0.088
1959	0.476	0.203	0.489	0.083
1960	0.451	0.200	0.583	0.078
1961	0.384*	0.200	0.585	0.077
1962	0.406	0.196	0.649	0.074
1963	0.425	0.191	0.719	0.071

Technical Appendix Table 2A (Continued)

Age and Period	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
1964	0.740	0.172	0.949	0.065
1965	0.798	0.168	0.948	0.064
1966	0.870	0.162	1.178	0.060
1967	0.940	0.158	1.252	0.058
1968	1.139	0.150	1.255	0.058
1969	1.337	0.144	1.290	0.057
1970	1.475	0.140	1.317	0.056
1971	1.603	0.137	1.372	0.055
1972	1.729	0.134	1.414	0.054
1973	1.890	0.131	1.446	0.053
1974	2.107	0.128	1.534	0.052
1975	2.256	0.127	1.577	0.052
1976	2.354	0.126	1.606	0.051
1977	2.452	0.125	1.632	0.051
1978	2.560	0.124	1.656	0.050
1979	2.622	0.124	1.661	0.050
1980	2.758	0.123	1.698	0.050
1981	2.784	0.122	1.736	0.049
1982	2.815	0.122	1.768	0.049
1983	2.856	0.122	1.842	0.049
1984	2.859	0.122	1.694	0.050
1985	2.936	0.122	1.731	0.050
1986	2.986	0.122	1.748	0.049
1987	3.020	0.121	1.785	0.049
1988	3.092	0.121	1.850	0.049
1989	3.237	0.121	1.954	0.049
1990	3.271	0.121	2.099	0.049
1991	3.222	0.122	2.186	0.050
1992	3.065	0.124	2.032	0.053
1993	3.094	0.125	2.067	0.056
1994	3.183	0.143	2.988	0.068
Intercept	-7.164	0.120	-4.132	0.042
Chi-Square			44,913	
Person-Years			680,574	

* Not significant, $p > .05$

Technical Appendix Table 2B
Multinomial Age-Period-Community Analysis of the Probability that
Women from 39 Mexican Communities Will Migrate Illegally or Legally
(vs. Not Migrating) on a First U.S. Trip: 1971–94

Age, Period, and Community	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
Age				
< 15	–	–	–	–
15-19	1.559	0.031	-0.116	0.019
20-24	2.332	0.028	-0.046	0.019
25-29	2.460	0.028	-0.011*	0.021
30-34	2.281	0.030	-0.084	0.023
35-39	2.124	0.033	-0.195	0.026
40-44	1.991	0.036	-0.242	0.030
45-49	1.683	0.042	-0.326	0.035
50-54	1.484	0.051	-0.445	0.042
55+	1.119	0.044	-0.911	0.036
Period				
Before 1971	–	–	–	–
1971	0.970	0.074	0.816	0.041
1972	1.094	0.069	0.868	0.039
1973	1.251	0.063	0.910	0.038
1974	1.467	0.058	1.011	0.036
1975	1.625	0.054	1.060	0.036
1976	1.723	0.052	1.097	0.034
1977	1.814	0.049	1.124	0.034
1978	1.924	0.047	1.158	0.033
1979	1.984	0.046	1.174	0.033
1980	2.135	0.043	1.230	0.032
1981	2.158	0.043	1.276	0.031
1982	2.186	0.042	1.310	0.031
1983	2.271	0.042	1.492	0.031
1984	2.285	0.042	1.371	0.033
1985	2.365	0.041	1.418	0.032
1986	2.415	0.040	1.438	0.032
1987	2.449	0.040	1.486	0.031
1988	2.504	0.039	1.548	0.031
1989	2.601	0.039	1.615	0.030
1990	2.852	0.040	1.818	0.031
1991	3.106	0.043	2.049	0.035
1992	3.075	0.048	2.198	0.040
1993	3.403	0.052	2.668	0.047
1994	3.026	0.091	2.820	0.075

Technical Appendix Table 2B (Continued)

Age, Period, and Community	<u>Illegal vs Not Mig</u>		<u>Legal vs Not Mig</u>	
	B	SE	B	SE
Community				
1	—	—	—	—
2	-2.507	0.306	-2.076	0.160
3	0.715	0.113	-0.210	0.094
4	-0.917	0.110	-1.270	0.079
5	-1.344	0.309	-2.185	0.308
6	-0.761	0.150	-1.190	0.116
7	-0.067*	0.134	-0.435	0.100
8	1.729	0.089	0.057*	0.069
9	1.290	0.085	0.165	0.058
10	1.118	0.111	1.409	0.072
11	1.387	0.086	0.853	0.057
12	1.440	0.087	0.492	0.061
13	0.120*	0.091	-0.283	0.062
14	-1.988	0.175	-6.772	1.163
15	-1.647	0.134	-2.298	0.119
16	-1.892	0.423	-0.730	0.175
17	0.674	0.092	0.842	0.060
18	1.140	0.091	3.009	0.056
19	-0.629	0.097	-1.629	0.079
20	1.179	0.118	0.630	0.083
21	0.090*	0.162	0.243	0.094
22	1.454	0.091	1.751	0.058
23	-0.129*	0.118	-0.498	0.081
24	0.461	0.120	-0.214	0.089
25	-0.217*	0.189	-1.683	0.242
26	0.812	0.088	1.118	0.058
27	-0.448	0.102	-0.594	0.071
28	1.033	0.090	0.373	0.063
29	0.712	0.098	-1.206	0.100
30	1.579	0.105	0.332	0.095
31	-0.675	0.086	-1.585	0.060
32	-1.601	0.123	-1.147	0.078
33	0.546	0.091	-0.338	0.067
34	-1.091	0.196	-3.236	0.357
35	-0.931	0.107	-1.461	0.082
36	0.344	0.123	-0.189*	0.098
37	0.444	0.180	-0.421	0.178
38	-0.583	0.126	-3.280	0.246
39	0.503	0.129	-3.410	0.447
Intercept	-7.104	0.090	-3.861	0.056
Chi-Square			124,004	
Person-Years			680,574	

* Not significant, $p > .05$

Technical Appendix Table 3A
Multinomial Age-Period Analysis of the Probability that Male Household
Heads from 39 Mexican Communities Will Migrate Illegally or Legally
(vs. Not Migrating) on a Subsequent U.S. Trip

Age and Period	<u>Illegal vs Not Mig</u>		<u>Legal vs Not Mig</u>	
	B	SE	B	SE
Age				
< 15	—	—	—	—
15-19	1.937	0.418	2.442	0.445
20-24	1.998	0.411	2.591	0.437
25-29	1.583	0.411	2.030	0.437
30-34	1.301	0.411	1.955	0.437
35-39	1.052	0.412	1.977	0.437
40-44	0.619*	0.413	1.810	0.438
45-49	0.283*	0.415	1.688	0.439
50-54	-0.177*	0.420	1.100	0.443
55+	-1.321	0.427	0.670*	0.442
Period				
Before 1943	—	—	—	—
1943	1.633	0.752	1.811	0.659
1944	0.990*	0.678	2.268	0.472
1945	0.858*	0.614	2.289	0.437
1946	1.271	0.507	2.007	0.428
1947	0.661*	0.556	1.880	0.424
1948	0.471*	0.545	1.402	0.432
1949	1.601	0.444	1.542	0.422
1950	0.868*	0.493	1.671	0.416
1951	1.125	0.458	1.517	0.413
1952	1.273	0.443	1.910	0.397
1953	0.990	0.451	1.784	0.396
1954	0.967	0.450	1.587	0.400
1955	1.225	0.440	2.192	0.387
1956	1.289	0.430	2.010	0.387
1957	0.903	0.447	2.190	0.384
1958	1.183	0.431	2.461	0.379
1959	1.050	0.436	2.300	0.381
1960	1.174	0.428	2.258	0.380
1961	0.771*	0.442	2.169	0.380
1962	0.734*	0.441	1.936	0.382
1963	0.925	0.434	1.890	0.383

Technical Appendix Table 3A (Continued)

Age and Period	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
1964	0.941	0.434	2.139	0.380
1965	1.956	0.403	1.052	0.400
1966	1.422	0.414	0.966	0.401
1967	1.803	0.407	1.209	0.396
1968	1.525	0.412	1.265	0.393
1969	1.978	0.403	1.141	0.397
1970	1.868	0.406	1.345	0.392
1971	2.216	0.400	1.045	0.399
1972	2.351	0.398	0.983	0.399
1973	2.415	0.397	1.006	0.399
1974	2.411	0.396	0.948	0.399
1975	2.309	0.397	1.078	0.393
1976	2.181	0.397	1.120	0.390
1977	2.255	0.395	1.077	0.390
1978	2.411	0.393	1.092	0.388
1979	2.265	0.394	1.262	0.384
1980	2.267	0.394	1.219	0.384
1981	2.193	0.394	1.091	0.385
1982	2.126	0.394	1.187	0.383
1983	2.175	0.394	1.040	0.385
1984	2.198	0.393	1.121	0.384
1985	2.220	0.393	1.077	0.384
1986	2.450	0.392	1.139	0.383
1987	1.968	0.395	1.554	0.377
1988	2.116	0.394	1.866	0.375
1989	1.404	0.404	1.988	0.374
1990	1.955	0.401	2.302	0.374
1991	1.488	0.420	1.900	0.382
1992	1.077	0.463	1.900	0.391
1993	0.837*	0.520	0.776*	0.455
1994	2.088	0.519	2.442	0.436
Intercept	-5.388	0.540	-5.853	0.555
Chi-Square			4,134	
Person-Years			48,759	

* Not significant, $p > .05$

Technical Appendix Table 3B
Multinomial Age-Period-Community Analysis of the Probability that Male Household Heads from 39 Mexican Communities Will Migrate Illegally or Legally (vs. Not Migrating) on a Subsequent U.S. Trip: 1971–94

Age, Period, and Community	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
Age				
≤ 19	–	–	–	–
20-24	0.494	0.100	0.579	0.108
25-29	0.154*	0.100	-0.005*	0.108
30-34	-0.107*	0.100	-0.093*	0.109
35-39	-0.341	0.102	-0.121*	0.109
40-44	-0.789	0.108	-0.360	0.113
45-49	-1.135	0.116	-0.466	0.117
50-54	-1.566	0.131	-1.061	0.132
55+	-2.836	0.152	-1.639	0.127
Period				
Before 1971	–	–	–	–
1971	0.918	0.124	-0.790	0.171
1972	1.070	0.115	-0.843	0.170
1973	1.116	0.113	-0.780	0.168
1974	1.107	0.111	-0.825	0.169
1975	0.994	0.112	-0.668	0.152
1976	0.836	0.114	-0.658	0.145
1977	0.937	0.107	-0.702	0.142
1978	1.115	0.100	-0.693	0.139
1979	0.977	0.101	-0.531	0.126
1980	0.954	0.100	-0.556	0.126
1981	0.900	0.100	-0.670	0.128
1982	0.787	0.102	-0.565	0.122
1983	0.868	0.100	-0.711	0.128
1984	0.924	0.100	-0.595	0.123
1985	0.925	0.100	-0.630	0.124
1986	1.170	0.091	-0.560	0.122
1987	0.671	0.103	-0.126*	0.098
1988	0.858	0.101	0.217	0.090
1989	0.091*	0.136	0.299	0.088
1990	0.693	0.127	0.804	0.091
1991	0.518	0.180	0.510	0.121
1992	0.482*	0.264	0.861	0.152
1993	0.524*	0.336	-0.074*	0.282
1994	0.890	0.365	1.015	0.261

Technical Appendix Table 3B (Continued)

Age, Period, and Community	Illegal vs Not Mig		Legal vs Not Mig	
	B	SE	B	SE
Community				
1	—	—	—	—
2**	-0.013*	0.579	0.334*	0.671
3	2.306	0.332	1.828	0.421
4	-0.602*	0.448	0.789*	0.451
5	0.976*	0.773	-0.873*	2.333
6	1.162	0.371	2.033	0.418
7	1.345	0.358	1.449	0.452
8	1.917	0.326	1.678	0.408
9	1.774	0.318	2.792	0.389
10	3.145	0.331	4.477	0.395
11	1.068	0.327	2.069	0.394
12	1.243	0.330	0.565*	0.428
13	2.617	0.317	1.830	0.394
14	0.442*	0.396	1.053	0.437
15	1.993	0.352	2.491	0.411
16	1.088	0.594	1.921	0.532
17	1.857	0.325	2.910	0.393
18	1.840	0.323	2.633	0.392
19	1.568	0.327	1.241	0.406
20**	2.684	0.408	2.084	0.509
23	2.629	0.600	3.019	0.592
25	0.541*	0.681	-0.653*	1.421
26	1.202	0.334	2.208	0.397
27	1.066	0.339	1.689	0.403
28	1.606	0.343	1.530	0.425
29	1.685	0.350	0.952	0.460
30	2.813	0.341	2.586	0.421
31	-0.511*	0.347	0.774*	0.400
32	-0.130*	0.494	-1.736*	1.003
33	-0.223*	0.406	1.189	0.420
34	3.005	0.343	3.396	0.411
35	1.367	0.380	0.570*	0.515
36	1.318	0.356	1.704	0.417
37	1.334	0.470	1.911	0.488
38	1.803	0.367	1.021	0.508
39	1.970	0.369	1.143	0.508
Intercept	-4.308	0.508	-4.170	0.398
Chi-Square			7,496	
Person-Years			48,791	

* Not significant, $p > .05$

** Community 2 represents communities 2 and 24. Community 20 represents communities 20, 21, and 22.

Technical Appendix Table 4
Descriptive Statistics

	Person Years Referring to:					
	Men, 1st Trip		Women, 1st Trip		Men, Subsequent Trip	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Age < 15	.23	.42	.46	.50	.01	.08
15-19	.09	.28	.12	.32	.02	.13
20-24	.11	.31	.10	.30	.08	.27
25-29	.11	.31	.08	.28	.13	.33
30-34	.10	.30	.07	.25	.14	.35
35-39	.09	.28	.05	.22	.13	.34
40-44	.07	.26	.04	.19	.12	.33
45-49	.06	.24	.03	.16	.10	.31
50-54	.05	.21	.02	.14	.09	.28
55+	.09	.30	.04	.19	.18	.39
Period						
Before 1943	.07	.08	.04	.07	.00	.03
1943	.01	.08	.01	.07	.01	.03
1944	.01	.09	.01	.07	.00	.04
1945	.01	.09	.01	.08	.00	.05
1946	.01	.09	.01	.08	.00	.06
1947	.01	.10	.01	.08	.00	.07
1948	.01	.10	.01	.08	.00	.07
1949	.01	.10	.01	.09	.01	.07
1950	.01	.10	.01	.09	.01	.08
1951	.01	.11	.01	.09	.01	.08
1952	.01	.11	.01	.09	.01	.09
1953	.01	.11	.01	.10	.01	.10
1954	.01	.11	.01	.10	.01	.10
1955	.01	.12	.01	.10	.01	.10
1956	.01	.12	.01	.10	.01	.11
1957	.01	.12	.01	.10	.01	.11
1958	.02	.12	.01	.10	.01	.11
1959	.02	.13	.01	.11	.01	.12
1960	.02	.13	.01	.12	.01	.12
1961	.02	.13	.01	.12	.02	.12
1962	.02	.13	.01	.12	.02	.12
1963	.02	.13	.02	.12	.02	.13
1964	.02	.13	.02	.13	.02	.13
1965	.02	.14	.02	.13	.02	.13
1966	.02	.14	.02	.13	.02	.13

Technical Appendix Table 4 (Continued)

	Person Years Referring to:					
	Men, 1st Trip		Women, 1st Trip		Men, Subsequent Trip	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
1967	.02	.14	.02	.14	.02	.13
1968	.02	.14	.02	.14	.02	.13
1969	.02	.14	.02	.14	.02	.14
1970	.02	.14	.02	.14	.02	.14
1971	.02	.14	.02	.15	.02	.14
1972	.02	.14	.02	.15	.02	.14
1973	.02	.15	.02	.15	.02	.15
1974	.02	.15	.02	.16	.02	.15
1975	.02	.15	.03	.16	.02	.15
1976	.02	.15	.03	.16	.03	.16
1977	.02	.15	.03	.17	.03	.16
1978	.02	.15	.03	.17	.03	.17
1979	.02	.16	.03	.17	.03	.17
1980	.03	.16	.03	.17	.03	.18
1981	.03	.16	.03	.17	.03	.18
1982	.03	.16	.03	.18	.04	.18
1983	.02	.16	.03	.17	.04	.19
1984	.03	.16	.03	.17	.04	.19
1985	.03	.16	.03	.17	.04	.19
1986	.03	.16	.03	.17	.04	.20
1987	.03	.16	.03	.17	.04	.20
1988	.02	.16	.03	.17	.04	.20
1989	.02	.14	.03	.16	.03	.18
1990	.02	.14	.02	.15	.03	.17
1991	.02	.12	.02	.14	.02	.15
1992	.01	.10	.01	.11	.01	.12
1993	.01	.08	.01	.09	.01	.09
1994	.01	.07	.01	.08	.01	.09
Community						
1	.03	.18	.03	.18	.03	.18
2	.04	.18	.03	.16	.01	.11
3	.02	.16	.03	.17	.06	.23
4	.04	.18	.03	.17	.02	.12
5	.02	.15	.02	.14	.01	.08
6	.03	.17	.03	.17	.03	.18
7	.03	.17	.03	.17	.03	.16
8	.02	.15	.03	.16	.04	.20
9	.03	.16	.03	.16	.03	.18

Technical Appendix Table 4 (Continued)

	Person Years Referring to:					
	Men, 1st Trip		Women, 1st Trip		Men, Subsequent Trip	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
10	.02	.14	.02	.14	.06	.24
11	.03	.16	.03	.16	.02	.15
12	.03	.16	.02	.15	.02	.14
13	.03	.16	.03	.17	.04	.19
14	.03	.18	.03	.17	.03	.16
15	.03	.18	.03	.17	.01	.11
16	.01	.12	.02	.13	.02	.14
17	.03	.16	.03	.17	.04	.20
18	.05	.22	.05	.22	.10	.29
19	.03	.17	.03	.16	.02	.15
20	.01	.10	.02	.12	.00	.04
21	.01	.11	.01	.12	–	–
22	.01	.11	.03	.17	–	–
23	.15	.12	.02	.15	.00	.03
24	.01	.07	.03	.16	–	–
25	.02	.12	.01	.11	.01	.09
26	.03	.18	.03	.17	.02	.15
27	.03	.16	.03	.17	.04	.19
28	.03	.18	.03	.17	.01	.12
29	.03	.17	.02	.15	.02	.13
Community						
30	.02	.15	.03	.16	.07	.26
31	.01	.12	.01	.11	.00	.06
32	.04	.19	.03	.17	.01	.12
33	.03	.18	.03	.16	.02	.14
34	.02	.13	.02	.14	.04	.19
35	.04	.20	.04	.18	.01	.11
36	.03	.20	.03	.17	.04	.19
37	.01	.12	.02	.12	.04	.20
38	.03	.17	.03	.16	.02	.13
39	.02	.13	.01	.10	.02	.13
% Migrating:						
legally		2.8		3.5		8.2
illegally		3.8		2.9		8.2
% Not migrating		93.4		93.6		83.5
Total Number of Person Years		218,012		680,574		48,791

Technical Appendix Table 5
Life Table of the Cumulative Probability of Making a First Trip Legally or
Illegally (vs. Not Migrating) by Age 40, Given the Probabilities of Legal
and Illegal Migration Prevailing in Community 10, 1994

Age	Probability of:		
	Not Migrating	Migrate Legally	Migrate Illegally
0	1.000000	0.000000	0.000000
1	0.944453	0.036120	0.019427
2	0.891991	0.070234	0.037775
3	0.842444	0.102452	0.055104
4	0.795649	0.132881	0.071470
5	0.751453	0.161620	0.086927
6	0.709712	0.188763	0.101526
7	0.670290	0.214397	0.115313
8	0.633057	0.238608	0.128335
9	0.597892	0.261474	0.140633
10	0.564681	0.283070	0.152249
11	0.533315	0.303466	0.163219
12	0.503691	0.322730	0.173579
13	0.475712	0.340923	0.183365
14	0.449288	0.358106	0.192606
15	0.195786	0.537532	0.266682
16	0.085318	0.615721	0.298962
17	0.037179	0.649793	0.313028
18	0.016202	0.664640	0.319158
19	0.007060	0.671111	0.321829
20	0.002204	0.674731	0.323065
21	0.000688	0.675861	0.323451
22	0.000215	0.676213	0.323572
23	0.000067	0.676324	0.323609
24	0.000021	0.676358	0.323621
25	0.729892E-006	0.676368	0.323624
26	0.254462E-006	0.676372	0.323625
27	0.887133E-007	0.676373	0.323626
28	0.309281E-007	0.676374	0.323626
29	0.107825E-007	0.676374	0.323626
30	0.415001E-008	0.676374	0.323626
31	0.159727E-008	0.676374	0.323626
32	0.614766E-009	0.676374	0.323626
33	0.236614E-009	0.676374	0.323626
34	0.910691E-010	0.676374	0.323626
35	0.360454E-010	0.676374	0.323626
36	0.142669E-010	0.676374	0.323626
37	0.564689E-011	0.676374	0.323626
38	0.223506E-011	0.676374	0.323626
39	0.884643E-012	0.676374	0.323626
40	0.366722E-012	0.676374	0.323626