MONOGRAPHS IN THE ECONOMICS OF DEVELOPMENT

No. 17

Population Projections for Pakistan 1960—2000

LEE L. BEAN MASIHUR RAHMAN KHAN A. RAZZAQUE RUKANUDDIN

JANUARY 1968

PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS
Old Sind Assembly Building
Bunder Road, Karachi
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PREFACE

The population projections presented in this monograph represent the collective effort of the entire Demographic Section of the Pakistan Institute of Development Economics. While the authors had the major responsibility for this work, considerable assistance was received from other members of the section. Danial M. Farooq worked closely with M. R. Khan and A. Razzaque Rukanuddin on the computations. Mohammad Afzal actively participated in the many discussions of methodology and data evaluation. Mrs. Patricia Lobo cheerfully typed and retyped the text and the many tables included in this report. M. Zaman, Publications Officer of the Institute, technically edited the monograph and piloted it through the press. Whatever value this report has is in large part due to the efforts of Mr. Farooq, Mr. Afzal and Mrs. Lobo, but only the authors are responsible for its limitations.

January 1968

LEE L. BEAN
MASIHUR RAHMAN KHAN
ABDUL RAZZAQUE RUKANUDDIN

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SECTION I

INTRODUCTION

This is another in a growing series of estimates of the future size of the population of Pakistan. The study is premised on three basic assumptions: i) population projections are an essential part of development planning; ii) the evaluation of various growth patterns demonstrated by a variety of estimates provides useful information to policymakers since they are then in a position to evaluate a range of alternatives; and iii) projections should be continuously recomputed as additional information becomes available!

Any population projection is based upon certain current input parameters of the population and assumed future patterns of these parameters. The usefulness of a projection thus depends on the extent the input parameters conform to the actual situation the population is and will be experiencing. Since it is difficult to predict the more distant future, the projection over a short period is expected to be more accurate. Even over the short run, however, unforeseen changes may affect the validity of the projections, and the greater the period of time over which the projection is extended the more likely that unforeseen or unexpected factors may influence the actual rate of population growth.

Despite the hazards of prognostication, demographic projections are useful guides to likely population trends under a specific set of assumptions. Estimates of employment demand, manpower planning, school enrolments, consumption, etc., as integral parts of economic planning, all in part, depend directly upon forecasts of population size.

The population projections presented here, however, are not designed as a final guide to development planning in Pakistan. The Planning Commission has prepared population estimates which serve as the basis for the current Five-Year Plan and the Perspective Plan [10].

¹ Ideally if only new information enters into the decision to recompute population projections, it would be useful if a single continuous series of projections using the same methodology could be constructed by a single organization. Unfortunately as is seen in a subsequent section of this paper, new information is not the only reason for constructing new or different projections in Pakistan.

The rationale behind these projections is that the Population Growth Estimation (PGE) project 2 has provided new estimates of vital rates for Pakistan. It was felt that these data should be utilized to project the population of Pakistan to determine the effect of data which show a rate of growth strikingly greater than what has appeared in the Perspective Plan for Pakistan [11, p.24]. Secondly, most projections which have been made in Pakistan are restricted to a rather limited period of time. These projections fail to demonstrate the long run implication of population growth for various assumptions of fertility and mortality. While projections are likely to be more accurate over the short run and, indeed, may meet the needs for planning purposes, there are useful purposes to be served by extending the period of projection to 25, 30 or even 40 years. The full impact of changes in vital rates on population structure and hence, for example, the supply of raw manpower available are fully demonstrated only over a relatively long period.

Over the past several years, a number of individuals, agencies, and organizations have made projections for Pakistan³. Briefly the various projections do not differ in terms of methodology. Most use the age-sex component method of projection which is used in this paper also [14]. The method is tedious but makes maximum use of the data available.

Projections made to-date vary briefly in the following ways:

1) Base Population: For the more recent population projections which have started with the 1961 Census population as a base, some adjustments have been made in the enumerated population. On the one hand, the adjustments have been minimal as in the case of the CSO projection in which only estimates were made for population age 0-4 which appeared to be underenumerated [9]. No major additions were made to the base population enumerated in the 1961 Census other than for the 0-4 age group. On the other hand projections by the Planning Commission [10], Bose [4], and the United States Bureau of the Census [5] make rather large additions to the base population; most

² For a description of PGE, see [1;8].

³ Since a detailed comparison of the various available projections has been made recently by Mr. Mohammad Aslam of the Central Statistical Office of Pakistan, there is little to be gained by reviewing the projections one by one [9].

of these adjustments follow the corrections suggested by Krotki as a result of his detailed comparison of the 1951 and 1961 enumerated population [7]. We have incorporated in this paper a comprehensive adjustment for over/under-reporting and age misreporting. The details are presented in the following section.

2) Fertility Schedules: Using the component projection technique, it is necessary to have available age-specific fertility rates. Until recently such detailed data were not available. In lieu of such information age-specific fertility rates were estimated by distributing total births among females in the childbearing years using the weights estimated by the United Nations or a slightly modified set of weights [14]. Any system of weights, however, is based on the average experience of many countries while the actual fertility schedule of a given country or provinces such as East and West Pakistan, for example, may vary somewhat [6]. To overcome such problems, recent projections have used actual age-specific fertility rates although these are based on preliminary rather than final PGE estimates which have been employed in this study.

Future estimates of fertility trends range from no change in the current levels to fast declining fertility levels expected to be produced by overwhelming success of the family planning programme. In interpreting the projected size of the population it is important that the users bear in mind the underlying assumptions of the population projections.

3) Mortality Trends: Projections which post date the 1961 Census use mortality rates reflecting crude death rates, which fall within a fairly narrow range, 19-28 per thousand. The higher rates, however, such as those used by the Planning Commission, appear not to have been based on actual mortality data but rather derived as a residual. In this case, using a selected growth rate and a fertility rate based on preliminary PGE data, mortality was estimated using stable population theory [10]. Such rates appear to be too high on the basis of recent PGE mortality data.

Since mortality rates must be translated into life table survival rates for projection purposes, the procedure followed in many cases has been to adopt a UN model life table which reflects the general mortality

conditions of Pakistan. The CSO projections and those reported here use life tables prepared directly from PGE age-specific mortality data, and therefore, ideally, these life tables more closely reflect the actual mortality (and hence survival) rates for the population [2;3]4. The various assumptions of mortality trends used in previous projections are highly conservative and do not always take into account the patterns of mortality found in other developing or developed countries. Recent trends in Pakistan and other developing countries indicate consistently improving mortality conditions and increasing life expectancy [12]. Some of the gains registered have been spectacular and have been secured without massive economic development or reorganization of the social system [6;12]. Moreover, an assumption of continuing higher female than male mortality produces a conservative estimate of the growth potential of Pakistan. For these reasons, the projections reported here assume different patterns of mortality decline for males and females. The projection also takes into account differential mortality patterns in each province of the country. A detailed methodology of the estimated and projected mortality pattern by sex and province of the country can be found in Appendix B.

The one point at which the present projection corresponds completely with most others is the assumption regarding migration. Since international migration is highly limited these days, the net effect of emigration and immigration on the national population is assumed to be nil.

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⁴ This is a moot point since some users may prefer to use model life tables arguing that the PGE mortality data contain large errors. However, selection of an appropriate model life table does not depend upon any rigorous methodology but rather depends upon the educated guess of the researcher.

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SECTION II

METHODOLOGY

In this section the procedures employed in the projections are described in detail.

A. Base Population

Every researcher making a population projection for Pakistan by the age and sex component projection technique faces a common set of problems [7]. The component projection technique, to a large degree, depends for its usefulness upon the accuracy of the base population reported, for errors present in the initial population will influence all calculations whether the vital rates and their forecasted trends are reasonable and valid or not!

The base population data employed for recent population projections for Pakistan are from the 1961 Census reports [4]. There is little agreement, however, concerning the accuracy of the 1961 Census in terms of either total numbers and the age and sex distribution.

Errors in the census may clearly arise from several sources. The 1961 Census is only the second taken in Pakistan and by an organization newly created for that purpose; coverage was not complete since the population of "special, added and tribal areas" was in some cases estimated; and socio-cultural factors may have influenced the accuracy with which the number and age of respondents were reported.

The adjustments introduced in this study are based on the assumption that certain errors may be identified through the application of standard demographic tests and reasonable adjustments introduced by taking into account the historical, socio-cultural factors influencing

¹ The accuracy of the projection also depends upon the present and future levels of vital events,

the population structure of Pakistan. It is assumed that in Pakistan the likelihood of males being enumerated correctly is greater than that of females. This does not imply that the high masculinity ratio in Pakistan is due solely to the underenumeration of females, for there is increasing evidence that part of the high masculinity ratio is due, for several reasons, to a higher female mortality rate at most ages but particularly during peak childbearing years [5]. Thus, the sex ratio is a point to which we shall return later in this paper.

An examination of the age distribution of males shows a number of irregularities, some assumed to be real, others assumed to be the result of underenumeration and age misreporting. For the purpose of this report, it is assumed that the total *number* of males above age 5 was correctly enumerated in East and West Pakistan and thus in Pakistan as a whole.

For males above age 5 there are certain variations which have been adjusted in the base population figures. First, as the result of the census questions dealing with economic characteristics which were to be completed for all individuals age 10-and-over, it appears that a number of individuals age 10-and-over were returned in the age group 5-9 [3]. To adjust for this shifting of males age 10-and-over to the age group 5-9, it was assumed that those over 10 may have been reported not only as age 9 but also as ages 8 and 7. The adjustment involved comparing the age group 7-9 with the total population. The same comparison was made for the male population enumerated in the Population Growth Estimation experiment. Since there is a close correspondence between the 1961 Census distribution and the PGE population distribution, it may be assumed that these two distributions are subject to the same types of error except for the age groups 5-9 and 10-14 since the economic characteristic questions were not an issue in the PGE study. Under this assumption the ratio of the age group 7-9 to the total population should be the same in the 1961 Census and PGE. The amount of error in the 1961 Census for the age group 7-9 is estimated (separately for East and West Pakistan) as follows: (E equals the expected population aged 7-9).

The resulting estimate was subtracted from the age group 5-9 and the difference added to the age group 10-14. In total, the extent of over-reporting in the age group 5-9 was estimated as below:

| | Males | Females |
|---------------|-------------|---------|
| East Pakistan | 445,000 | 397,000 |
| West Pakistan | 266,000 | 160,000 |

An examination of the total age distribution suggests that the proportions of persons in the age groups 15-19 and 20-24 are low. It is likely, however, that a large proportion of the deficiency in these age groups is real. These age groups in East Pakistan are likely to reflect the impact of the 1943 Bengal famine, World War II and the Partition which would be reflected in reduced birth cohorts for the period and increased infant and childhood mortality rates. Similarly, the War and Partition in West Pakistan are likely to have had an adverse effect on these age cohorts. The combined effect of these events on the age distribution appears to be more severe in East Pakistan and appears to have occurred earlier there compared to West Pakistan. This is, of course, a product of the sequence and magnitude of events. For example, during the peak of the Bengal famine (July-December 1943) it is estimated that the death rate increased by 108.3 per cent and that deaths from famine amounted to 3.5 million [2, pp 309-52]. Unfortunately no data are available to indicate the extent to which fertility was affected². On the other hand, the dislocations associated with World War II were probably more critical in West Pakistan since it is this area which normally provided a large part of the British Indian army. Moreover, the pre-Independence conflicts and the events associated with Independence affected both the East and West Pakistan populations. Because of these factors no adjustment was made in the number of males aged 15-19 and 20-24.

For the males aged 60-and-over two problems were encountered in adjusting the base population. First, the number of persons in very old age groups is excessive and results from the tendency of older persons to exaggerate their ages. Second, the census does not report quinquennial age groups above 60 but rather 10-year age groups. Adjustments were thus made by distributing the population into 5-year

² One effect is that marriage rates probably decline under such conditions thereby reducing fertility in subsequent years. Sarkar has shown such an impact from epidemics in Ceylon [6].

age groups according to the proportions enumerated by PGE and by shifting down to younger ages those found excess in the age groups 60-64 and 80-and-over according to a moving average technique. Since all age groups are subject to age misreporting due to digital preference the male population at ages 30-and-over was finally smoothed by a moving average.

The final adjustment to the enumerated male population for East and West Pakistan involved estimating the amount of underenumeration in the age group 0-4. To arrive at an estimate of this group, a stable population model was constructed using Chandrasekar-Deming adjusted PGE age-specific birth and death rates. With these two schedules of fertility and mortality given it is possible to determine the expected proportion in each age group. The total numbers added to the 0-4 age group are, East Pakistan males—1,078,000, West Pakistan males—763,000.

B. Special and Added Areas of West Pakistan

A large number of individuals in West Pakistan were not included in the regular census procedures. This population is located in what is described as "special and added areas". The population of these areas has been reported as 3,437,939 of which 2,154,911 were estimated, 1,283,028 were enumerated on standard (28,055), special tribal (1,076,707) and special family schedules (178,266). The age distribution of the population in broad age groups is available for the population enumerated on standard and special family schedules, yet the age distribution of the population enumerated on the standard schedules is so irregular as to be unacceptable. The age distribution of the population enumerated on the special tribal schedules which constitute the bulk of the enumerated population (83.9 per cent) appears on examination to be reasonable. Using this age distribution as the standard, the total enumerated and estimated population of these areas was distributed in broad age groups. The 10-year age groups 10-59 and total persons aged 60-and-over were broken into quinquennial age groups according to the proportions found by Ashraf [1]. This distribution was then smoothed. Below age 10, the problem of underenumeration in age group 0-4 was resolved in the same manner as for the balance of West Pakistan; that is an estimate of the expected number was derived from a stable population model assuming the same parameters as for West Pakistan as a whole.

Since the economic questions were not involved in the censuses of the majority of the enumerated population in these areas, there is no reason to assume that a shift in the population from the age group 10-14 to age group 5-9 occurred. Therefore, no adjustment in this age group was made.

The adjusted age distribution of males of "special and added areas" was then added to the previously adjusted regular West Pakistan male age distribution to establish the base population.

No further adjustments were made in the male base population for East Pakistan.

C. Female Base Population

As indicated earlier, it was assumed that the enumeration of males in the Pakistan census is more accurate than the enumeration of females. The female base population appears suspect on the basis of the extremely high masculinity ratio. This high masculinity ratio, however, is probably due to two factors, underenumeration of females and high female mortality rates [5]. Since there is no information to determine the extent of error due to each factor, adjustment of the female population was accomplished by relating the female population to the adjusted male base population. This was done separately for East Pakistan and West Pakistan and in the latter case, the "special and added areas" were adjusted separately before combining with the balance of the West Pakistan female population. The procedure followed was the same in each case.

The initial starting point for the adjustment of the female population was to establish the relationship between the female and the male population at birth. As A. Razzaque Rukanuddin has shown in his detailed study of the sex ratio of Pakistan, the sex ratio at birth normally varies between 102 and 107 where births are accurately recorded [5]. The PGE study of fertility in Pakistan for 1962 reports the masculinity ratio at birth to be 105.7 in East Pakistan and 109.7 in West Pakistan. For purposes of adjustment the 105.7 estimate which falls within the normal range was accepted for both East and West Pakistan. The sex ratio at each age group for each province was obtained from stable populations calculated from the PGE fertility and mortality schedules.

The adjusted base population represents the population of Pakistan as of January 31, 1961. For analytical reasons it was considered advisable to have the population projections correspond to the various five-year plan periods for Pakistan. It was, therefore, necessary to estimate the size and structure of the base population for July 1, 1960. The adjusted base population was thus moved back to this date by applying the growth rates assumed by the Planning Commission of Pakistan for this period.

For this projection it is assumed that Pakistan—East and West—is a closed population; no significant immigration or emigration is assumed to affect the population during the period covered by the projection. The assumption appears plausible in view of the international barriers to large-scale migrations, although provincial totals may be influenced by interwing shifts.

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SECTION III

VITAL EVENTS IN PAKISTAN

The population projection involves the application of a set of vital events—births and deaths—to the base population.

Subtractions from the population are assumed to be due only to a set of age-specific mortality conditions. The initial mortality conditions are derived from a set of life tables constructed for East and West Pakistan males and females. The data for the life tables were taken from the PGE 1962-63 Chandrasekar-Deming adjusted mortality reports for East and West Pakistan [2]. From these data, life tables were constructed; the methodology and the abridged life tables (selected functions) are presented in Appendix B. Briefly, the relevant life table values and infant mortality rate assumed to exist for 1962-63 and applied to the initial base population are:

| Parameters (200) | | | East P | akistan | West | Pakistan |
|-------------------------|---------|--------|--------|---------|-------|----------|
| Parameters | | | Male | Female | Male | Female |
| Life expectancy, age 0 | | - 1.71 | 49.18 | 46.91 | 51.10 | 48.70 |
| Life expectancy, age 10 | 17- 57- | ddiii | 54.82 | 50.59 | 57.40 | 55.24 |
| Infant mortality rate | | | 153.3 | 128.3 | 153.0 | 135.5 |

The mortality conditions for 1962-63 as recorded by PGE are assumed to exist at the beginning of the projection period. While these data obviously reflect some improvement of mortality conditions over the total period, the amount of error introduced is probably insignificant in view of the fact that mortality conditions have little effect on population structure; of vastly greater significance for future population trends is the course of fertility.

The fertility levels for the population at the initial stage of the projection, for the period July 1, 1960 to June 30, 1965, are based

upon PGE fertility data for the year 1963. At the time of the preparation of the projections this was the most current and complete set of fertility data available. The birth rates and fertility measures for East Pakistan are derived directly from the 1963 PGE data based on Chandrasekar-Deming estimates. Comparable measures for West Pakistan are derived from similar data which were adjusted to reflect a sex ratio at birth of 105.7. This correction was introduced on the assumption that female births were underreported in West Pakistan. The correction increases the crude birth rates from 52.7 to 53.5 in West Pakistan and from 54.0 to 54.4 in all Pakistan. The fertility and birth statistics calculated for East and West Pakistan are listed below:

| | yld June | thij jo | East Pakistan | West Pakistan |
|-------------------------|-------------|----------|---------------|---------------|
| Crude birth rate | imoCI- | n sekm | 54.9 | 53.5 |
| Total fertility rate | t men | a [2]. a | 7.89 | 7.99 |
| Gross reproduction rate | | (files | 3.87 | 3.84 |
| Net reproduction rate | * | | 2.57 | 2.41 |

With a crude death rate of 19.6 in East Pakistan and 19.1 for West Pakistan the rates of growth for the period 1960 to 1965 are 3.5 per cent per annum in East Pakistan and 3.4 per cent in West Pakistan. While these rates of growth are high, they are not unusual in a population where mortality conditions are improving and family planning is not widely practised.

It would be untoward to argue here that the mortality rates, fertility rates and growth rates recorded here are "true" rates in any sense. There is no complete, regular system of vital statistics registration and the primordial registration system currently in existence seems to

Venezuela, 1961: 3.4 per cent Taiwan, 1956: 3.4 per cent Malaysia: 3.1 per cent

Other developing countries report higher and lower rates, but the figures are, in general, provisional. India, for example, for the period 1958-64 reports a growth rate of 2.3 per cent. Recent experiments in vital statistics registration suggest growth rates quite similar to those calculated here for Pakistan.

¹ The following rates, for example, are reported in the 1965 United Nations Demographic Yearbook [4].

be grossly in error [3]. Attempts by organizations to collect such data other than the PGE experiment appear to have limited utility. The Pak-Seato cholera research group has at present the most comprehensive programme where data is collected on a day-to-day basis, but the experiment is limited to the population in one East Pakistan Thana and as yet a full year's data are not available [1]. No other project in Pakistan is so organized as to provide current, reliable statistics.

The PGE programme which collects data regularly (1962 to 1965) by both registration and periodic surveys appears to provide the most reliable data available to-date. While the data are subject to sampling error and the usual types of non-sampling errors associated with such surveys, it is clearly the most acceptable data. While the rate of growth computed as the difference between the PGE birth rate and death rate is high, it is also a plausible figure not only in view of the rates of growth recorded in other developing countries but also in view of the prevalence of early and nearly universal marriage and the lack of wide-spread acceptance of family planning in Pakistan.

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SECTION IV

ASSUMPTIONS OF FUTURE TRENDS

A population projection is not a prediction of future trends but an illustration of the growth patterns which a population would experience under a set of assumptions concerning vital rates. How closely the projected population will correspond to the actual population in the future will depend on many factors: the accuracy of the base data and initial vital rates, and the actual future mortality, fertility and migration patterns. No single estimate can be accepted as a completely accurate portrayal of the future. Because of the problems associated with the estimation or educated guess about future trends, it is standard practice currently to provide a range of assumptions concerning future trends to assess the impact of various rates of growth for the country.

In this study three projections have been made. For all three assumptions it is assumed that mortality conditions will continue to improve. Given the sex and provincial differences in mortality patterns, it is assumed that different rates of improvement in mortality conditions will take place up to 1980-85. The expected mortality rates were taken from the Coale and Demeny model life tables, and separate families of life tables were selected for each province [1]. The $_{n}q_{x}$ values of model "East" were found most similar to those for East Pakistan and $_{n}q_{x}$ values of model "South" were found to be most similar to those of West Pakistan.

Corresponding to an assumed decline in mortality which is consistent with the pattern adopted by Coale and Hoover in their study of India [2], the following mortality levels in each province and for each sex were chosen for the terminal projection period, 1980-85:

| | Model/Level | e _o |
|---------------|--------------------------|----------------|
| East Pakistan | | |
| Males | East/Level 19 | 60.8 years |
| Females | East/Levels 18 & 19 | 63.8 years |
| West Pakistan | , | |
| Males | South/Level 19 | 61.3 years |
| Females | South/Levels 18 & 19 | 63.8 years |

Mortality is assumed to decline exponentially from the 1960-65 period to the above levels for 1980-85.

Three fertility assumptions are used in the projections. Assumption I: Fertility will remain constant at the 1960-65 level through the period covered by the projections. Assumption II: Fertility is assumed to remain constant until 1970 and then decline linearly by 30 per cent to the period 1980-85. Assumption III: Fertility after 1965 will decline linearly by 50 per cent up to 1980-85. Both fertility and mortality are assumed to remain constant after 1985. Assumption I results in the highest possible rate of growth and indicates clearly the consequence of completely uncontrolled fertility. In our opinion, it is unlikely that the population of Pakistan will grow at this rate in view of the current family planning programme in Pakistan. Moreover, recent PGE preliminary data also suggest that these initial rates may be slightly high. Further there is evidence to suggest that some decline in births is already taking place although this is more likely the result of perturbations in the age structure rather than any actual changes in the fertility schedule [3].

Assumptions II and III indicate the consequences of declining fertility schedules, the levels of which will depend upon the success of the family planning programme in Pakistan.

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SECTION

THE POPULATION PARAMETERS

In this section we will discuss briefly the birth, death and growth rates and sex ratios implied in the population projections. Tables I, II and III present the population parameters of the three projections for All Pakistan, East Pakistan and West Pakistan. The reader should note that initial birth, death and growth rates are lower than those implied by the PGE rates. The change is the result of the adjustments in the base population; the refined rates—age-specific fertility rates and survival ratios are unchanged.

Although age-specific fertility is assumed to remain constant under assumption I, the crude birth rate increases as larger numbers of young females enter the childbearing years. Similarly, the perturbations in the crude rates—both birth and death rates—over the period of the projections are the result of variations in the structure of the population. Under Assumption II, the crude birth rate reaches its lowest level in 1980 and then increases slightly for the same reason producing an increase under Assumption I. Assumption III demonstrates the effect of early acceptance of family planning on a broad scale.

Mortality declines at the same rate in each assumption, although by 1985 the crude death rate is actually lower under high rather than low fertility assumptions since the population becomes younger with constant high fertility. The final death rates are extremely low, but are not implausible. Such levels have been reached in other developing countries with high birth rates and rapidly declining mortality. With major improvements in infant and child mortality the young population produced by the high fertility levels produce crude death rates of such a magnitude and in some cases, *Puerto Rico*, for example, even lower. It is questionable, however, whether such a low mortality level could be reached or maintained for a long period of time with the high fertility levels suggested by Assumption I. It is our opinion that Pakistan cannot sustain the high rates of growth implied in Assumption

I through the period of the projections without facing the threat of periodic famine, continued high maternal mortality, infant mortality and possible epidemics resulting from increasingly overburdened sanitation and water systems. Fertility has to be cut drastically.

The consequence of continued high fertility is more clearly demonstrated in the rates of growth. Under Assumption I, the growth rate increases rapidly to 4.33 per cent per annum in 1980-85 and to 4.44 per cent per annum in 1995-2000. With such rates of growth, the population of Pakistan would double between 1960 and 1979 and then would again double between 1979 and 1996. Thus under Assumption I the population of Pakistan would grow four-fold over a 36-year period. Again, it is unlikely that such a rate of growth will be obtained, but it is what could take place with continued uncontrolled fertility and declining mortality.

The effect of a minor change in fertility, Assumption II, is minimal with respect to growth rates; indeed the growth rate would increase slightly over the period of the projection as a result of the declining mortality trends. The rate, however, fluctuates within a rather narrow range of 3.12 per cent per annum to 3.44 per cent. Under this assumption the population of Pakistan would double by 1981 and then again by the year 2003; thus, a four-fold increase would again be achieved shortly after the turn of the century or in a period only 7 years longer than noted under Assumption I. Again it would be difficult to sustain such a high rate of growth over such a long period of time.

A rapid fertility decline, Assumption III, would result in a 1995-2000 growth rate of 2.35 per cent per annum, a figure even then considerably higher than those currently prevailing in developed countries with controlled fertility. At that level, however, the time required to double the population would be 25 years rather than the 19 years implied in Assumption I.

In summary, an assumption of declining mortality and three assumptions of fertility—constant, high fertility, moderately declining fertility, rapidly declining fertility—produce growth rates for Pakistan which vary between 4.33 and 2.30 per cent per annum for the five years at the end of the Perspective Plan period, and between 4.44 and 2.35 per cent at the end of the century. It is doubtful, however, that such

TABLE I SOME POPULATION PARAMETERS OF PROJECTED POPULATION UNDER THREE SEPARATE FERTILITY ASSUMPTIONS. ALL PAKISTAN, JULY 1, 1960—JULY 1, 2000

| Population parameter | | | | 3 2 3 2 | July | 1 | | - | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|-------------------------|-------------------------|-------------------------|
| and •fertility assumption | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Birth rates 1 | | 3 2 | | 51.50 | £1. £0 | 51.42 | 51.55 | 52.02 | 12 |
| Assumption I Assumption II Assumption III | 48.99 48.99 48.99 | 48.90 48.90 43.36 | 50.44 45.91 39.79 | 51.50 42.97 35.85 | 51.58 39.54 30.96 | 51.42 41.06 32.39 | 41.59 32.63 | 41.24 31.87 | _ |
| Death rates 1 | | | | | 93. | | 7.04 | 7.64 | |
| Assumption I Assumption II Assumption III | 17.79 17.79 17.79 | 14.49 14.49 14.04 | 11.91 11.65 11.23 | 9.90 9.44 9.09 | 8.25 8.06 7.97 | 8.02 8.04 8.10 | 7.84 7.93 8.25 | 8.05 8.34 | = |
| Rates of growth ² | | | | | | = | 4.27 | 4.44 | |
| Assumption I Assumption II Assumption III | 3.12 3.12 3.12 | 3.44 3.44 2.93 | 3.85 3.43 2.86 | 4.16 3.35 2.68 | 4.33 3.15 2.30 | 4.34 3.30 2.43 | 4.37 3.37 2.44 | 4.44 3.32 2.35 | - |
| Masculinity ratio ³ | | | | | | 5 3- 3 | 104.0 | 104.6 | 104.5 |
| Assumption I Assumption II Assumption III | 106.7 106.7 106.7 | 106.9 106.9 106.9 | 106.7 106.7 106.7 | 106.2 106.2 106.3 | 105.6 105.7 105.7 | 105.1 105.1 105.2 | 104.8 104.8 104.7 | 104.6 104.5 104.3 | 104.3 104.3 104.1 |

¹ Dirth (or death) rates are births (or deaths) per 1000 persons. They are yearly averages for five years beginning with the date in each column.

TABLE II SOME POPULATION PARAMETERS OF PROJECTED POPULATION UNDER THREE SEPARATE FERTILITY ASSUMPTIONS, EAST PAKISTAN, JULY 1, 1960—JULY 1, 2000

| | - | | | | , | -, 2500 0 | DEA 200 | • | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Population parameter and | Tur 5 | (| | | July | 1 | | | |
| fertility assumption | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Birth rates 1 | 111 | | | | | | | | |
| Assumption I Assumption II Assumption III | 49.51 49.51 49.51 | 50.49 50.49 44.79 | 52.99 48.26 41.90 | 54.09 45.24 37.99 | 53.80 41.41 32.42 | 53.45 42.78 33.67 | 53.58 43.12 33.75 | 54.07 42.62 32.84 | _ |
| Death rates 1 | | | | | | | | | |
| Assumption I Assumption II Assumption III | 18.01 18.01 18.01 | 14.41 14.41 13.98 | 11.73 11.50 11.11 | 9.44 9.19 9.03 | 7.76 8.39 7.59 | 7.58 7.66 7.78 | 7.37 7.64 7.91 | 7.20 7.58 7.99 | - |
| Rates of growth ² | | | | | | | | | |
| Assumption I Assumption II Assumption III | 3.15 3.15 3.15 | 3.61 3.61 3.08 | 4.13 3.68 3.08 | 4.46 3.60 2.90 | 4.60 3.30 2.48 | 4.59 3.51 2.59 | 4.62 3.55 2.58 | 4.69 3.50 2.48 | |
| Masculinity ratio ³ | | | | | | | | | |
| Assumption I Assumption II Assumption III | 105.5 105.5 105.5 | 105.8 105.8 105.8 | 105.6 105.6 105.7 | 105.2 105.3 105.3 | 104.8 104.9 104.9 | 104.5 104.4 104.4 | 104.2 104.1 104.0 | 104.1 103.9 103.7 | 104.0 103.8 103.5 |

¹ Birth (or death) rates are births (or deaths) per 1000 persons. They are yearly averages for five years beginning with the date in each column.

² Compound yearly rates of growth of population per 100 persons in the five years beginning with the date in each column.

³ Masculinity ratio is defined as the number of males per 100 females.

² Compound yearly rates of growth of population per 100 persons in five years beginning with the date in each column.

³ Masculinity ratio is defined as the number of males per 100 females.

TABLE III

SOME POPULATION PARAMETERS OF PROJECTED POPULATION UNDER THREE SEPARATE FERTILITY ASSUMPTIONS, WEST PAKISTAN, JULY 1, 1960—JULY 1, 2000

| Population parameter | | | | | July 1 | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| fertility assumption | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (9) | (7) | (8) | (6) | (10) |
| Birth rates 1 Assumption I Assumption II Assumption III | 48.43 48.43 48.43 | 47.15 47.15 41.78 | 47.57 43.26 37.43 | 48.48 40.35 33.68 | 48.91 37.32 29.23 | 48.91 38.97 30.85 | 48.97 39.69 31.27 | 49.34 39.49 30.67 | 111 |
| Death rates ¹ Assumption II Assumption II Assumption III | 17.81 17.81 17.81 | 14.72 14.72 14.22 | 12.31 12.02 11.52 | 10.35 9.94 9.63 | 9.06 8.71 8.53 | 8.80 8.65 8.61 | 8.62 8.66 8.80 | 8.44 8.86 8.86 | 111 |
| Rates of growth 2 Assumption I Assumption II Assumption III | 3.06 | 3.24 3.24 2.76 | 3.53 3.12 2.59 | 3.81 | 3.98 2.86 2.07 | 4.01 3.03 2.22 | 4.04 3.10 2.25 | 4.09 3.09 2.18 | 111 |
| Masculinity ratio ³ Assumption I Assumption II Assumption III | 108.2 108.2 108.2 | 108.3 108.3 108.3 | 108.0 108.0 108.1 | 107.4 107.4 107.5 | 106.7 106.7 106.8 | 106.0 106.1 106.2 | 105.6 105.6 105.6 | 105.3 105.3 105.2 | 105.1 105.0 104.9 |

¹ Birth (or death) rates are births (or deaths) per 1000 persons. They are yearly averages for five years beginning with the date in each column.

² Compound yearly rates of growth of population per 100 persons in five years beginning with the date in each column.

3 Masculinity ratio is defined as the number of males per 100 females.

TABLE IV

ESTIMATED AND PROJECTED GROSS REPRODUCTION RATES*
FOR EAST AND WEST PAKISTAN, 1960-1985

| Fertility assumption | July 1 | | | | |
|----------------------|--------|-----------|--|---------|------------------|
| | 1960 | 1965 | 1970 | 1975 | 1980 |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Statement Section | , The | 1 1 1 2 2 | | (Lan 1 | E 101 |
| East Pakistan | | | ni i i i i i i i i i i i i i i i i i i | | n zani oli ni |
| Assumption I | 3.87 | 3,87 | 3.87 | 3.87 | 3.87 |
| Assumption II | 3.87 | 3.87 | 3.48 | 3.09 | 2.71 |
| Assumption III | 3.87 | 3.38 | 2.90 | 2.42 | 1.93 |
| | | | | | |
| West Pakistan | | | | | |
| Assumption I | 3.84 | 3.84 | 3.84 | 3.84 | 3.84 |
| Assumption II | 3.84 | 3.84 | 3.45 | 3.07 | 2.69 |
| Assumption III | 3.84 | 3.36 | 2.88 | 2.40 | 1.92 |

^{*} For five years beginning with the date in each column.

a high level of fertility as assumed in Assumption I, and probably in Assumption II, could be maintained for several reasons, all of which would operate through a constant or increased mortality level. Under such high levels of fertility, it is unlikely that sufficient resources can be made available to reduce maternal, infant and child mortality. The consequential strain on resources in Pakistan would make it very difficult to reduce mortality and to avoid increases in mortality. In the future, it is likely that mortality will continue to decline and thereby provide further stimulus to the family planning programme in Pakistan. Moreover, it is also likely that fertility will continue to decline after 1985. With a continuing dynamic family planning programme the total population projected under Assumption III after 1985 may be excessive.

A brief word only is required regarding the masculinity ratios. All masculinity ratios decline at roughly the same magnitude since we assume a constant sex ratio at birth and a reversal in each assumption of the male-female mortality differences. The small variation in the later years of the projection arises from the masculinity ratio at birth and the higher fertility rates in Assumptions I and II.

In Table IV the estimated and projected gross reproduction rates for East and West Pakistan for 1960-85 are presented. After 1985 these rates remain constant up to 2000 since we have assumed no changes in the vital rates after 1985. With a highly successful family planning programme (Assumption III) the GRR for both East and West Pakistan is assumed to be reduced by 50 per cent by the year 1985.

SECTION VI

A NOTE ON EAST-WEST PAKISTAN DIFFERENCES IN VITAL RATES

In 1960-65 the adjusted crude birth rates in East and West Pakistan were 49.5 and 48.4 respectively; the crude death rates were 18.0 in East Pakistan and 17.8 in West Pakistan.

The proportion of persons to the total population in the age groups 10-14 and 15-19 in 1961 was low in all Pakistan, and especially so in East Pakistan (see Appendix A). Under a constant fertility assumption (Fertility Assumption I) this phenomenon in the age distribution would reduce the crude birth rates for the years 1960-70 in East Pakistan and for the years 1965-75 in West Pakistan. The age distribution effect in reducing the birth rate is more pronounced in East Pakistan than in West Pakistan (Tables II and III). A continuance of the current fertility rates, with a declining mortility assumption, would increase the crude birth rate from 49.5 in 1960-65 to 54.1 in 1995-2000 in East Pakistan and from 48.4 in 1960-65 to 49.3 in 1995-2000 in West Pakistan when the age distribution effect on the birth rate would be largely eliminated.

As demonstrated in an earlier article[3], the women in East Pakistan begin bearing children about 2.5 years earlier than West Pakistani females, reach a "plateau" of high fertility level whereas the fertility level in West Pakistan "peaks" and begins to drop off immediately. However in East Pakistan the fertility rate drops off at a faster rate than in West Pakistan. The mean age of childbearing in East Pakistan is 26.3 years and in West Pakistan 28.8 years. If the age distributions were stable, given about the same fertility rate in both provinces of the country, a lower mean age of childbearing in East Pakistan would produce a birth rate which would be about 5.0 points higher in East Pakistan than in West Pakistan[2].

A comparison of the mortality schedules ($_nq_x$ values) for East and West Pakistan in 1962-63 showed that at early ages, though the provincial differences in the $_nq_x$ values did not appear to be great, the differences increased rapidly with advanced ages. Beginning with age 35,

males in East Pakistan showed an increasingly higher probability of dying than the males in West Pakistan. In case of females, beginning with age 10, the probability of dying was consistently higher in East Pakistan than in West Pakistan ([1] and Figure B-1).

In 1962-63, the expectations of life at each age were on the average about 3.2 years lower for males in East Pakistan compared to their counterparts in West Pakistan. The females in East Pakistan were expected to live at each age, on the average, about 3.6 years less than the females in West Pakistan (Figure B-2).

Through the period of the projections, the growth rates for East Pakistan are higher than those for West Pakistan. Thus, the problems of space for East Pakistan become more and more critical. East Pakistan already with one of the highest population densities in the world, would, with no transfer of population and with the high rate of growth (Assumption I), approach the unbelievable situation where there would be one person in the year 2000 for every twenty-five square yards of land. With the growth rate implied by Assumption I, it would be meaningless to talk any longer of persons per square mile but for purposes of comparison the density per square mile in East Pakistan in the year 2000 would be 5000—if no land erosion takes place. Under this assumption, the density per square mile in West Pakistan in the year 2000 would be 630 persons. Under the optimistic Assumption III, the densities per square mile in the year 2000 in East and West Pakistan would be 2,870 persons and 380 persons respectively.

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SECTION VII

THE POPULATION OF PAKISTAN, 1960-2000

In Tables V, VI and VII the population projections by sex and province are summarized. The complete projections by age, sex and province are reported in Appendix C. Projections are graphically presented in Figures 1, 2 and 3, and the results of the present projections are compared with previous projections in Table VIII.

Data in Table V indicate clearly the consequences of a successful family planning programme. With no change in fertility, the population of Pakistan would increase from 97.7 million in 1960 to 247.3 million in 1985 and to 470.5 million in 2000 (Assumption I). A moderately successful family planning programme (Assumption II) would, in contrast to the population under Assumption I, result in a smaller population by 27.4 million in 1985 and 111.1 million in 2000. A more successful programme (Assumption III) would produce a population less than the population projection under Assumption I by 53.4 million in 1985 and 193.7 million in 2000. The proportionate reduction in population size, Assumption I vs. Assumption III, would be 22 per cent in 1985 and 43 per cent in 2000 for East Pakistan. In West Pakistan the proportionate reductions would be 21 per cent and 39 per cent respectively. Given the rate of growth discussed in the previous section, it is obvious that not only are there advantages to a population growing at the rate implied under Assumption III, but further advantages would accrue with an increasingly successful family planning programme which would continue after 19851.

Since other projections have not been carried forward to 2000, we have only compared the 1985 estimate with similar projections (Table VIII). Our high projection (Assumption I) is exceeded only by that of the Investment Advisory Centre². The high projection (247.3)

¹ Coale and Hoover have most succinctly demonstrated the relationships between population growth and economic development [3]. It is expected that the authors of this volume will follow it up with one indicating the consequence of these projections for manpower planning and food consumption.

TABLE V
PROJECTED POPULATION OF ALL PAKISTAN BY SEX UNDER THREE SEPARATE
ASSUMPTIONS, JULY 1, 1960—JULY 1, 2000

(numbers are in 000's)

| Fertility | 3 | 1 2 2 5 | - E | M | lid-year popu | lation | | | |
|---|----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| assumption | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Both sexes | . 1 | | | | | | . \$ 1 | | |
| Assumption 1 Assumption 11 Assumption III | 97,720 97,720 97,720 | 113,948 113,948 113,667 | 134,939 134,939 131,667 | 163,027 159,696 151,582 | 200,009 188,328 172,984 | 247,254 219,903 193,810 | 305,767 258,704 218,515 | 378,718 305,141 246,471 | 470,546 359,413 276,874 |
| Males | | | | | | | | | ĺ |
| Assumption I Assumption II Assumption III | 50,455 50,455 50,455 | 58,881 58,881 58,881 | 69,652 69,652 67,981 | 83,963 82,261 78,107 | 102,746 96,764 88,906 | 126,728 112,714 99,346 | 156,476 132,359 111,770 | 193,618 155,915 125,858 | 240,421 183,478 141,197 |
| Females | | | | | 4 4 | | | = | |
| Assumption I Assumption II Assumption III | 47,265 47,265 47,265 | 55,067 55,067 55,067 | 65,287 65,287 63,586 | 79,064 77,437 73,475 | 97,263 91,564 84,078 | 120,525 107,189 94,464 | 149,291 126,345 106,745 | 185,100 149,226 120,613 | 230,125 175,935 135,676 |

TABLE VI PROJECTED POPULATION OF EAST PAKISTAN BY SEX UNDER THREE SEPARATE ASSUMPTIONS, JULY 1, 1960—JULY 1, 2000

(numbers are in 000's)

| | | | | M | id-year popu | ılation | | | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Fertility assumption | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Both sexes | | | | | | | | | |
| Assumption I Assumption II Assumption III | 52,621 52 621 52,621 | 61,450 61,450 61,450 | 73,360 73,360 71,522 | 89,799 87,877 83,231 | 111,718 104,899 96,007 | 139,912 123,833 108,526 | 175,097 147,160 123,317 | 219,466 175,192 140,088 | 275,946 208,121 158,377 |
| Males | | | | | | | | | |
| Assumption I Assumption II Assumption III | 27,016 27,016 27,016 | 31,585 31,585 31,585 | 37,680 37,680 36,744 | 46,048 45,067 42,696 | 57,179 53,692 49,149 | 71,482 63,254 55,426 | 89,360 75,061 62,865 | 111,934 89,273 71,315 | 140,698 105,985 80,539 |
| Females | | | | | | | | | |
| Assumption I Assumption II Assumption III | 25,605 25,605 25,605 | 29,865 29,865 29,865 | 35,680 35,680 34,778 | 43,751 42,810 40,535 | 54,539 51,207 46,858 | 68,430 60,579 53,100 | 85,737 72,099 60,452 | 107,532 85,919 68,773 | 135,248 102,136 77,838 |

TABLE VII
PROJECTED POPULATION OF WEST PAKISTAN BY SEX UNDER THREE SEPARATE
ASSUMPTIONS, JULY 1, 1960—JULY 1, 2000

| 1960 1965 1970 1975 1980 1985 1990 1995 (2) (3) (4) (5) (6) (7) (8) (9) 1 45,099 52,498 61,579 73,228 88,291 107,342 130,670 159,252 194 1 45,099 52,498 61,579 71,821 83,429 96,070 111,544 129,349 151 1 23,439 57,296 31,927 37,915 45,567 55,246 67,116 81,684 99 1 23,439 27,296 31,972 37,194 43,072 49,460 57,298 66,642 77 1 23,439 27,296 31,237 35,411 39,757 43,920 48,905 54,543 60 1 23,439 27,296 31,237 35,411 39,757 43,920 48,905 54,543 60 1 21,660 25,202 29,607 34,627 40,357 | The state of the s | | | | Mic | Mid-year population | lation | | | |
|--|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|
| tess nption II | assumption | 1960 | 1965 | 0261 | 1975 | 1980 | 1985. | 1990 | 1995 | 2000 |
| pation II 23,439 27,296 31,927 37,128 88,291 107,342 130,670 159,252 II 10,670 159,252 II 10,670 15,099 10,100 III 23,439 61,579 71,821 83,429 96,070 111,544 129,949 II 11,544 II 11,54 | (1) | (2) | (6) | (4) | (5) | (9) | (7) | (8) | (6) | (10) |
| nption II 45,099 52,498 61,579 73,228 88,291 107,342 130,670 159,252 1 1 | Soth sexes | | 1 | | | | | | | |
| nption II 23,439 27,296 31,927 37,915 45,567 55,246 67,116 81,684 aption III 23,439 27,296 31,927 37,194 43,072 49,460 57,298 66,642 aption III 23,439 27,296 31,237 35,411 39,757 43,920 48,905 54,543 aption II 21,660 25,202 29,607 35,313 42,724 52,096 63,554 77,568 aption III 21,660 25,202 29,607 34,627 40,357 46,610 54,246 63,307 aption III 21,660 25,202 28,908 32,940 37,220 41,364 46,293 51,840 | Assumption II Assumption III | 45,099 45,099 45,099 | 52,498 52,498 52,498 | 61,579 61,579 60,145 | 73,228 71,821 68,351 | 88,291 83,429 76,977 | 107,342 96,070 85,284 | 130,670 111,544 95,198 | 159,252 129,949 106,383 | 194,600 151,292 118,497 |
| nption II 23,439 27,296 31,927 37,915 45,567 55,246 67,116 81,684 66,642 aption III 23,439 27,296 31,237 35,411 39,757 43,920 48,905 54,543 aption III 21,660 25,202 29,607 35,313 42,724 52,096 63,554 77,568 aption III 21,660 25,202 28,908 32,940 37,220 41,364 46,293 51,840 | Males | | | | - | | | | | |
| nption I 21,660 25,202 29,607 35,313 42,724 52,096 63,554 77,568 nption II 21,660 25,202 29,607 34,627 40,357 46,610 54,246 63,307 nption III 21,660 25,202 28,908 32,940 37,220 41,364 46,293 51,840 | Assumption I Assumption II | 23,439 23,439 23,439 | 27,296 27,296 27,296 | 31,927 31,972 31,237 | 37,915 37,194 35,411 | 45,567 43,072 39,757 | 55,246 49,460 43,920 | 67,116 57,298 48,905 | 81,684 66,642 54,543 | 99,723 |
| 21,660 25,202 29,607 35,313 42,724 52,096 63,554 77,568 21,660 25,202 29,607 34,627 40,357 46,610 54,246 63,307 21,660 25,202 28,908 32,940 37,220 41,364 46,293 51,840 | emales | | | | | | | | | |
| | Assumption II Assumption III Assumption III | 21,660 21,660 21,660 | 25,202 25,202 25,202 | 29,607 29,607 28,908 | 35,313 34,627 32,940 | 42,724 40,357 37,220 | 52,096 46,610 41,364 | 63,554 54,246 46,293 | 77,568 63,307 51,840 | 94,877 73,799 57,839 |

TABLE VIII

A COMPARISON OF VARIOUS POPULATION PROJECTIONS TO 1985

ALL PAKISTAN

| Source | | | \ | · · · · · · | Total p | opulation in (in million | |
|--------------|------------|-----------|--|--------------|---------|-----------------------------|--|
| Bean, Khan | Rukanud | din | ,0575 | 12 may 11 0 | m near | | |
| O High | | | FARLOT BY | 350 W W | 1.00 | 247.3 | |
| Low | \ | | | 927.062000 | | 193.8 | |
| U. S. Burea | u of Censu | s [2] | | | | | |
| High | \ | | 1871.2 | AT ATT S | 1 21 | 240.7 | |
| Low | | | .eset fr aco | Total Cartal | | 201.2 | |
| C. S. O. [4] | | | | | | | |
| High | | • | | | | 194.4 | |
| Low | ` ' | \ | | | | 164.6 | |
| S. R. Bose (| | / | | | | | |
| High | 1700) [13 | | | | | 215.9 | |
| Low | | | ••• | | | 193.8 | |
| 10 70 | | | | | ••• | 175.0 | |
| Planning Co | mmission | [0] | | | | 199.3 | |
| High | ••• | | *** | | • • • | | |
| Low | • • • | | | | | 190.4 | |
| Investment . | Advisory C | entre [5] | | | | | |
| High | | 100 | and the same of th | | | 247.9 | |
| Low | • • • | | to the state of | | • • • | 191.5 | |

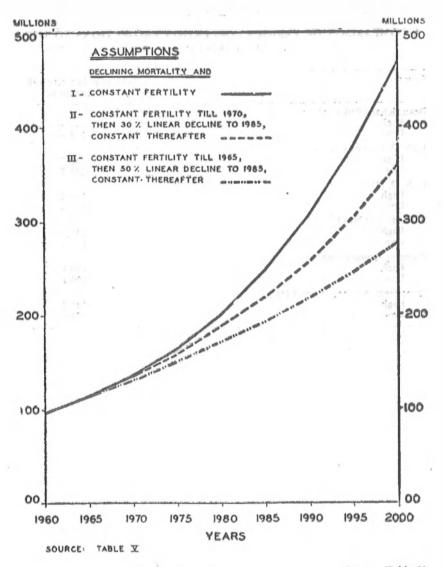


Figure 1. Projected Population of All Pakistan, Both Sexes
July 1, 1960—July 1, 2000

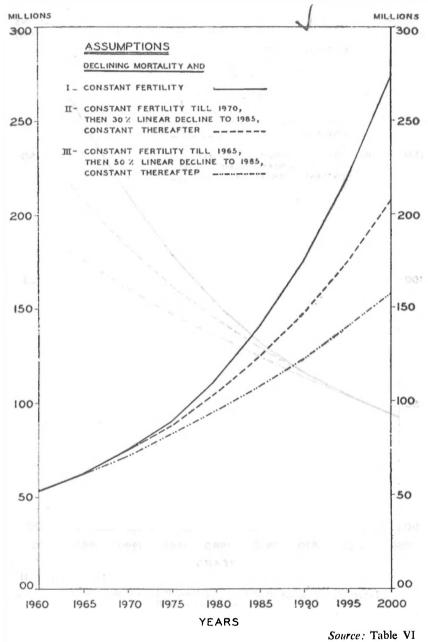


Figure 2. Projected Population of East Pakistan. Both Sexes July 1, 1960—July 1, 2000

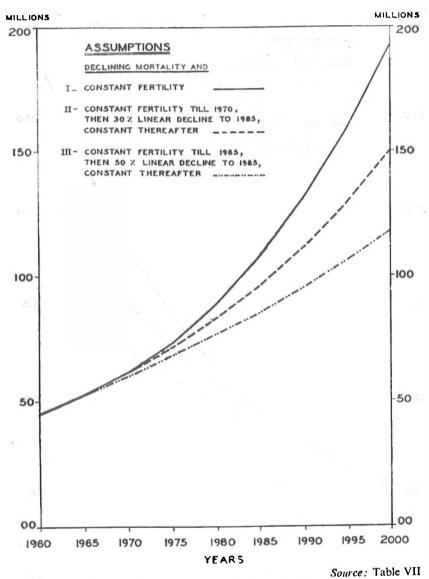


Figure 3. Projected Population of West Pakistan, Both Sexes July 1, 1960—July 1, 2000

million) exceeds that of the United States Census Bureau by only 2.7 per cent. In contrast, this projection of ours exceeds that of the Planning Commission by 24 per cent largely because of differences in the original level of mortality and rate of mortality improvement.

There is somewhat less variation in the low estimates with the exception of the CSO projection. The CSO low projection of 164.6 million reflects the minimal adjustment in the base population and a high fertility decline. Again, however, our low projection is exceeded only by one previous estimate, that of the United States Census Bureau.

In general, however, our low estimate is consistent with previous projections except for the CSO estimate. The high estimate of 247.3 million largely reflects our higher survival ratios, (see [6] and Appendix B.)

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² The Investment Advisory projections largely are the result of their methodology which involved simply the application of geometric rates of growth to an adjusted total population [5].

SECTION VIII

SUMMARY

In this monograph we have presented three new population projections for Pakistan, and its provinces—East and West Pakistan. The projections involved first of all a detailed re-evaluation of the base line data as enumerated in the 1961 Census of Pakistan. On the basis of our studies we have introduced a number of corrections in the base line data which are summarized in Section II (Methodology) and Appendix A. The result of the corrections is to increase the total population of Pakistan as on January 31, 1961 by 5.5 million over that reported by the 1961 Census, including the population of "special and added areas".

The vital rates (fertility and mortality) are based upon data collected by the Population Growth Estimation project. Mortality rates were derived from a new life table based on the combined results of the 1962-63 survey data adjusted according to the Chandrasekar-Deming method [1]. Fertility rates are based upon the 1963 PGE Chandrasekar-Deming adjusted data.

To key the projections to the various five-year plans of Pakistan, the base population was moved back to July 1, 1960. From this date we have projected the population of all Pakistan, East Pakistan and West Pakistan up to the year 2000 by five-year intervals, again corresponding to the various plan periods.

Three projections have been made. In each case we have assumed the same mortality trend. The initial set of life tables indicates a higher female than male mortality rate. Previous projections have assumed a relatively constant rate of improvement, equal for both males and females, over the period of the projections for Pakistan. We have assumed that with a continual decline in mortality the sex difference will be reversed as it usually is in all countries with a low mortality rate. The consequence of this assumption, over the long run, is that

the rate of growth will increase since larger numbers of females will not only live, but live through the childbearing years.

Three fertility levels were assumed. Under Assumption I, fertility remains constant and thereby produces the most rapid rate of population growth. Under Assumption II, we assume that fertility declines linearly by 30 per cent between 1970 and 1985. Under Assumption III fertility declines by 50 per cent between 1965 and 1985, producing the lowest rate of growth.

The projected populations in 1985 (the end of the Perspective Plan period) are 247.3 million (Assumption I), 219.9 million (Assumption II), and 193.8 million (Assumption III). For the year 2000 the projected population ranges between 470.5 million and 276.9 million.

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Appendix A

A NOTE ON THE AGE DISTRIBUTION IN PAKISTAN

A comparison of the 1951 and 1961 Pakistan Censuses age distributions reveals strikingly different proportions of persons under age 10 and in the age group 10-19. Compared to 1951, in East Pakistan the 1961 proportion of males under age 10 is 7.5 percentage points higher and the proportion in the age group 10-19 is 5.7 percentage points lower (see Table A-1). It can also be seen (from Table A-1) that similar variations exist between the two censuses for each sex and province. Figure A-1 shows the age distribution of all Pakistan by sex in 1951 and 1961. Though this figure conceals some of the variations in the age distributions in each province, it does depict the overall pattern of age distributions in the two censuses in Pakistan. A part of this variation can be explained, however, in terms of age misreporting due to the labour force questions in the 1951 and 1961 Censuses [1]. The census enumerators had to record additional information on persons of labour force age which was set at 12 years and over in 1951 and 10 years and over in 1961. In order to avoid questioning and recording additional information, it has been alleged that some enumerators deliberately transferred some persons 12 years and over to below age 12 in 1951. On similar grounds it is argued that some persons aged 10 years and over in the 1961 Census were recorded as persons under age 10.

In the 1951 Census, single-year breakdowns were available for ages 10 and 11 and in the 1961 for all years under age 10. A comparison of the 1961 Census single-year age distribution with that of the 1962 PGE suggests that age 9 was considerably inflated in the 1961 Census, both for males and females, though more for males than females (Figure A-4). Because of the operation of a chain-effect in age reporting it seems that ages 8 and 7 were also overreported. The PGE age distribution was not affected by any labour force questions, however. By maintaining in the 1961 Census the same proportion as persons in the age group 7-9 bear to the total population in 1962, it was estimated that the age group 5-9 in the 1961 Census was inflated due to the

labour force questions by a total of 1,268,000 persons in Pakistan (445,000 East Pakistan males; 397,000 East Pakistan females; 266,000 West Pakistan males; and 160,000 West Pakistan females). It is assumed that the age group 10-14 in 1961 was deflated by the amount the age group 5-9 was inflated. Table A-1 shows the age distributions as observed and adjusted for 1961 by sex for quinquennial age groups up to age 30. Because of the lack of appropriate data, a similar exercise could not be made to correct the age distribution in the 1951 Census, nor was it thought necessary to make any. It is quite unlikely that the labour force questions in 1951 affected the age group 5-9 to any substantial degree; the overreporting of ages 10 and 11 at the cost of say ages 12 and 13 or 14 would not affect the age group 10-14 at all. Hence, no correction was made in the 1951 Census.

The elimination of the effect of the labour force questions on the age distribution does not alter the basic age distribution patterns in the two censuses: a low proportion of persons in the age group 0-9 in 1951 and in the age group 10-19 in 1961, reflecting a low birth cohort in 1940's possibly due to the Second World War, the 1943 Bengal famine and calamities associated with the Partition of the subcontinent. This pattern is also observed in the 1961 Indian Census for West Bengal and East Punjab. A large proportion of children 0-9 in the 1961 Census, however, suggests a revival of high fertility in the 1950's.

While no adjustment was made for those low male cohorts for which there seem good reasons for their being lower than expected numbers², an adjustment was made for the females in these age groups since it was assumed that the low numbers reflected not only the factors indicated above but also the common pattern of underenumeration and age misreporting of females.

¹ It is also possible that in the communal riots and mass transfer of political migrants in the late 40's more children under age 10 were killed than those above 10. Probably a more significant factor would be the postponement of marriages during World War II and the 1943 famine. For a discussion of the effect of famine on marriage, see [4].

² It is, of course, true that in many cases underenumeration of males in the younger adult years stems from the fact that such individuals are more mobile than other segments of the population and thus less likely to be counted even in the most efficient censuses. Given the relatively low proportion of the population in nonagricultural labour, the low level of urbanization and the family structure of Pakistan we have assumed the number of underenumerated males in the younger adult years is negligible.

Above age 25-29 the adjustments in the male age groups are the result of the smoothing process and the redistribution of the older age groups according to PGE proportions. Once the male age distribution was adjusted and smoothed, the female distribution was adjusted. This was done by assuming that the sex ratio at birth was 105.7 (see Section II: Methodology). Given the mortality differences between males and females in Pakistan, it was then possible to derive a set of expected sex ratios at each age and adjust the female population by relating it to the adjusted male population. The absolute and proportionate adjustments made in the enumerated 1961 Census population are indicated in Appendix Tables A-2 and A-3 and Figures A-2 and A-3.

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TABLE A-I

AGE DISTRIBUTIONS OF EAST AND WEST PAKISTAN BY SEX
IN 1951 AND 1961 CENSUSES

(percentage distribution)

| (1) (2) (3) (4) (5) (6) (7) | (1) | 2) | (3) | (4) | (5) | (6) | (7) |
|-----------------------------|-----|----|-----|-----|-----|-----|-----|
|-----------------------------|-----|----|-----|-----|-----|-----|-----|

| | E | ast Pakistan, M | lales | East Pa | ıkistan, Fe | males |
|----------|----------------|------------------|----------------|----------------|-------------|----------------|
| All ages | 100.0 | 100.0 | K*5 TP | 100.0 | 100.0 | |
| 0-4 | 17.4 | 13.9 | 3.5 | 19.1 | 15.4 | 7.3 |
| 5 — 9 | 18.5 (16.8) | 14.5 | 4.0 (2.3) | 19.0 (17.4) | 15.3 | 3.7 (2.1) |
| 10—14 | 9,9 (11.6) | 13.5 | —3.6 (—1.9) | 8.3 (9.9) | 11.7 | —3.4 (—1.8) |
| 15—19 | 7.3 | 9.4 | —2.1 | 8.1 | 10.6 | -2.5 |
| 20—24 | 6.9 | 7.8 | -0.9 | 8.1 | 8.8 | —0.7 |
| 25—29 | 7.6 | 7.7 | -0.1 | 8.2 | 8.4 | -0.2 |
| | V | Vest Pakistan, N | Tales | West P | akistan, F | emales |
| All ages | 100.0 | 100.0 | | 100.0 | 100.0 | 100 |
| 0 — 4 | 15.6 | 13.0 | 2.6 | 17.3 | 14.6 | 2.7 |
| 5 — 9 | 16.3 (15.1) | 12.9 | 3.4 (2.2) | 16.5 (15.6) | 13.4 | 2.1 (2.2) |
| 10—14 | 9.9 (11.2) | 16.2 | —6.3 (—5.0) | 9.4 (10.2) | 16.5 | —7.1 (—6.3) |
| 15—19 | 9.0 | 11.5 | -2.5 | 8.8 | 12.7 | -3.9 |
| 20—24 | 7.7 | 8.1 | -0.4 | 7.9 | 8.1 | -0.2 |
| 25—29 | 7.5 | 7.0 | 0.5 | 8.0 | 6.0 | 2.0 |

Sources: [2;3].

Note: Figures in parentheses are those adjusted for labour force questionnaire.

TABLE A-2
THE ENUMERATED AND THE ADJUSTED POPULATION OF PAKISTAN BY PROVINCE AND SEX, JANUARY 31, 1961

(in 000's)

| | | | Males | | | Females | |
|----------|-------|-----------------------------------|----------------------------|--------------------|-----------------------------------|----------------------------|--------------------|
| Age | | Enume- rated 1961 Census | Adjusted 1961 Census | Difference (3)—(2) | Enume- rated 1961 Census | Adjusted 1961 Census | Difference (6)—(5) |
| (1) | | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | | All Pakistan | | | |
| All ages | | 47,517 | 49,358 | 1,841 | 42,765 | 46,307 | 3,542 |
| 0-4 | | 7,881 | 9,722 | 1,841 | 7,841 | 9,487 | 1,646 |
| 5-9 | | 8,325 | 7,613 | -711 | 7,677 | 7,357 | -320 |
| 10-14 | • • • | 4,708 | 5,420 | 711 | 3,748 | 5,219 | 1,471 |
| 1519 | | 3,838 | 3,838 | 711 | 3,600 | 3,664 | 64 |
| 20-24 | ••• | | | | 3,437 | 3,267 | -170 |
| 20—24 | | 3,460 | 3,460 | | 3,437 | 3,207 | -170 |
| 25-29 | | 3,588 | 3,588 | | 3,454 | 3,341 | -114 |
| 30-34 | | 3,023 | 3,090 | 67 | 2,747 | 2,832 | 85 |
| 35-39 | ••• | 2,684 | 2,660 | -24 | 2,212 | 2,396 | 183 |
| | ••• | 2,294 | | 22 | 1,984 | 2,020 | 36 |
| 40-44 | ••• | | 2,272 | | | | 272 |
| 45—49 | ••• | 1,858 | 1,971 | 113 | 1,473 | 1,744 | 414 |
| 50-54 | | 1,774 | 1,560 | 215 | 1,440 | 1,388 | -52 |
| 55-59 | | 1,060 | 1,359 | 299 | 792 | 1,201 | 409 |
| 60-69 | | 1,783 | 1,838 | 56 | 1,385 | 1,574 | 190 |
| 70-79 | | 792 | 790 | -2 | 618 | 656 | 39 |
| 80+ | | 450 | 177 | -273 | 359 | 161 | -198 |
| 00 | ••• | 150 | (| 4/2 | 557 | | |
| | | |) E | ast Pakista | n | | |
| Allages | | 26,349 | 27,427 | 1,078 | 24,491 | 26,021 | 1,530 |
| 0 - 4 | | 4,580 | 5,658 | 1,078 | 4,684 | 5,591 | 907 |
| 5 - 9 | | 4,869 | 4,423 | -445 | 4,661 | 4,362 | -299 |
| 10-14 | | 2,610 | 3,056 | 445 | 2,037 | 3,008 | 971 |
| 15-19 | | 1,922 | 1,922 | | 1,983 | 1,875 | -108 |
| 20-24 | | 1,825 | 1,825 | | 1,989 | 1,748 | -241 |
| | | | | | | 4 072 | 100 |
| 25-29 | | 2,002 | 2,002 | - | 1,998 | 1,873 | -126 |
| 30 - 34 | | 1,693 | 1,729 | 37 | 1,545 | 1,581 | 36 |
| 35-39 | | 1,558 | 1,483 | -75 | 1,254 | 1,327 | 73 |
| 40-44 | | 1,254 | 1,260 | 6 | 1,113 | 1,110 | 3 |
| 45-49 | | 1,016 | 1,059 | 43 | 802 | 928 | 127 |
| 50 54 | | 947 | 847 | -100 | 801 | 745 | -56 |
| 50-54 | ••• | | | | 435 | 628 | 193 |
| 55-59 | | 611 | 717 | 106 | | | |
| 60-69 | • • • | 899 | 990 | 92 | 724 | 856 | 133 |
| 7079 | | 390 | 381 | 9 | 320 | 326 | 7 |
| +08 | | 174 | 74 | 100 | 147 | 63 | 84 |
| | | | | | | | -(Contd.) |

TABLE A-2 (Continued)

| (1) | | (2) | (3) | (4) | (5) | (6) | (7) |
|--|---|---|---|---------------------------------|---|---|-------------------------------|
| -14.1 | 4 | | West | Pakistan | | | |
| All ages | | 21,168 | 21,931 | 763 | 18,274 | 20,286 | 2,012 |
| 0 — 4 5 — 9 10—14 15—19 20—24• | | 3,301 3,456 2,098 1,916 1,635 | 4,064 3,190 2,364 1,916 1,635 | 763 —266 266 — | 3,157 3,016 1,711 1,617 1,448 | 3,896 2,995 2,211 1,789 1,519 | 739 21 500 172 71 |
| 25—29 30—34 35—39 40—44 45—49 | | 1,586 1,330 1,126 1,040 842 | 1,586 1,361 1,177 1,012 912 | 30 51 —28 70 | 1,456 1,202 958 871 671 | 1,468 1,251 1,069 910 816 | 12 49 110 39 145 |
| 50—54 55—59 60—69 70—79 80+ | | 827 449 884 402 276 | 713 642 848 409 103 | -115 193 -36 7 -173 | 639 357 661 298 212 | 643 573 718 330 98 | 4 216 57 32 —114 |

Note: The enumerated 1961 Census population is obtained from Census Bulletin No. 3[3]. The data in this table exclude persons of "special and added areas" attached to Deputy Commissioner of Peshawar and Dera Ismail Khan Divisions and Agencies. Figures are rounded independently.

TABLE A-3

THE ENUMERATED AND THE ADJUSTED POPULATION OF PAKISTAN BY PROVINCE AND SEX, JANUARY 31, 1961

(percentage distribution)

| | | Males | | | Females | |
|---|---------------------------------|------------------------------------|-------------------------------------|-----------------------------------|------------------------------------|---|
| Age | Enumerated 1961 Census | Adjusted 1961 Census | Differ- ence (3)—(2) | Enumerated 1961 Census | Adjusted 1961 Census | Difference (6)—(5) |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | - | Al | ll Pakistan | | -1 | |
| All ages | 100.0 | 100.0 | | 100.0 | 100.0 | |
| 0 — 4 5 — 9 10—14 15—19 20—24 | 17.5 9.9 8.1 | 19.7 15.4 11.0 7.8 7.0 | 3.1 -2.1 1.4 -0.3 -0.3 | 18.3 18.0 8.8 8.4 8.0 | 20.5 15.9 11.3 7.9 7.1 | 2.2 -2.1 2.5 -0.5 -0.1 |
| 25—29 30—34 35—39 40—44 45—49 | 6.4 5.6 4.8 | 7.3 6.3 5.4 4.6 4.0 | -0.3 -0.1 -0.2 -0.2 0.1 | 8.1 6.4 5.2 4.6 3.4 | 7.2 6.1 5.2 4.4 3.8 | -0.9 -0.3 -0.2 0.4 |
| 50—54 55—59 60—69 70—79 80+ | . 2.2 3.7 . 1.7 | 3.2 2.7 3.7 1.6 0.4 | -0.5 0.5 -0.1 -0.6 | 3.4 1.9 3.2 1.4 0.8 | 3.0 2.6 3.4 1.4 0.3 | -0.4 0.7 -0.2 -0.5 |
| | | √ E | ast Pakistan | | | |
| All ages | . 100.0 | 100.0 | _ | 100.0 | 100.0 | _ |
| 0-4 5-9 10-14 15-19 20-24 | . 18.5 9.9 7.3 | 20.6 16.1 11.1 7.0 6.7 | 3.2 -2.4 1.2 -0.3 -0.2 | 19.1 19.0 8.3 8.1 8.1 | 21.5 16.8 11.6 7.2 6.7 | 2.4 2.2 3.3 0.9 1.4 |
| 25—29 30—34 35—39 40—44 45—49 | 6.4 5.9 4.8 | 7.3 6.3 5.4 4.6 3.9 | 0.3 0.1 0.5 0.2 | 8.2 6.3 5.1 4.5 3.3 | 7.2 6.1 5.1 4.3 3.6 | -1.0 -0.2 -0.2 -0.3 |
| 55—59 60—69 70—79 | 3.6 2.3 3.4 1.5 0.7 | 2.6 3.6 1.4 | -0.5 0.3 0.2 -0.1 -0.4 | 3.3 1.8 3.0 1.3 0.6 | 2.9 2.4 3.3 1.2 0.2 | -0.4 0.6 0.3 -0.1 -0.4 (Cont |

TABLE A-1 (Continued)

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|----------|-------|-------|--------------|-------|-------|------|
| | | w | est Pakistan | | | |
| All ages | 100.0 | 100.0 | _ | 100.0 | 100.0 | |
| 0 — 4 | 15.6 | 18.5 | 2.9 | 17.3 | 19.2 | 1.9 |
| 5 — 9 | 16.3 | 14.5 | -1.8 | 16.5 | 14.8 | -1.7 |
| 10—14 | 9.9 | 10.8 | 0.9 | 9.4 | 10.9 | 1.5 |
| 1519 | 9.0 | 8.7 | -0.3 | 8.8 | 8.8 | |
| 20—24 | 7.7 | 7.5 | —0.3 | 7.9 | 7.5 | 0.4 |
| 25—29 | 7.5 | 7.2 | 0.3 | 8.0 | 7.2 | -0.8 |
| 30—34 | 6.3 | 6.2 | -0.1 | 6,6 | 6.2 | -0.4 |
| 35—39 | 5.3 | 5.4 | 0.1 | 5.2 | 5,3 | 0.1 |
| 40—44 | 4.9 | 4.6 | -0.3 | 4.8 | 4.5 | -0.3 |
| 45—49 | 4.0 | 4.2 | 0.2 | 3.7 | 4.0 | 0.3 |
| 50—54 | 3,9 | 3.2 | -0.7 | 3.5 | 3.2 | -0.3 |
| 55—59 | 2.1 | 2.9 | 0.8 | 2.0 | 2.8 | 0.8 |
| 60—69 | 4.2 | 3.9 | -0.3 | 3.6 | 3.5 | -0.1 |
| 70—79 | 1.9 | 1.9 | - | 1.6 | 1.6 | _ |
| 30+ | 1.3 | 0.5 | -0.8 | 1.2 | 0.5 | -0.7 |

Note: The age group totals may not add up to 100.0 because of rounding off. The enumerated 1961 Census population age distribution is obtained from Census Bulletin No. 3[3].

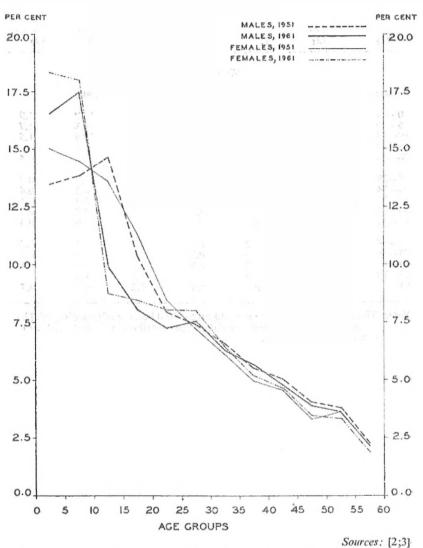


Figure A-1. Age Distribution of All Pakistan by Sex: 1951 and 1961 Censuses

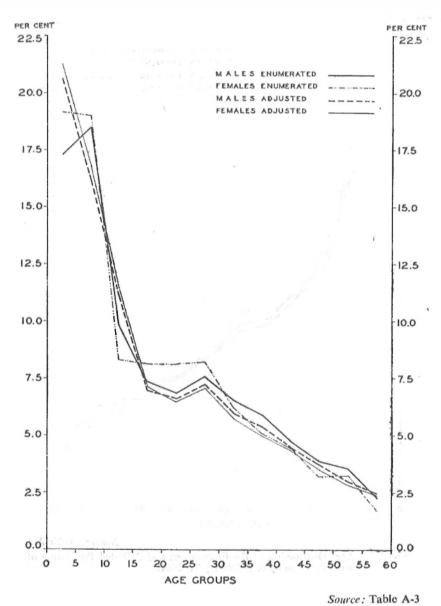


Figure A-2. Age Distribution of the Enumerated and Adjusted Population of East Pakistan by Sex: January 31, 1961

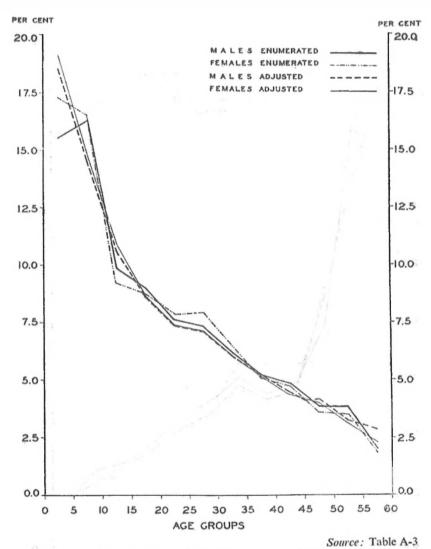


Figure A-3. Age Distribution of the Enumerated and Adjusted Population of West Pakistan by Sex, January 31, 1961.

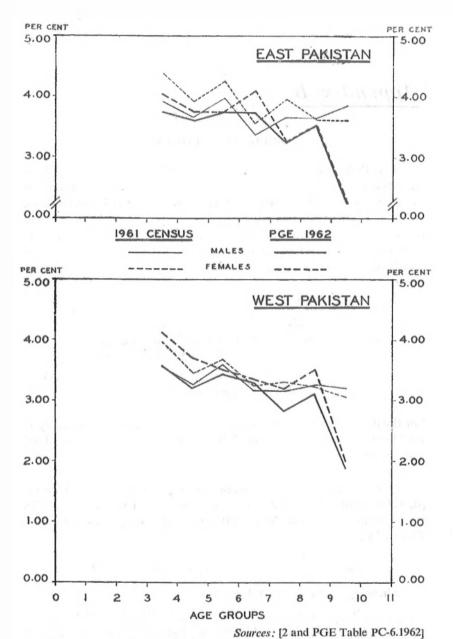


Figure A-4. A Comparison of the Single-Year Age Distribution in 1961 Census with that in 1962 PGE for Ages 3-10 in East and West Pakistan by Sex.

Appendix B

ABRIDGED LIFE TABLES

The PGE data on births, deaths (based on Chandrasekar-Deming estimates) and base population were used without correction for calculation of the infant mortality rate and age-specific death rates. While there are certain obvious as well as not so obvious errors in the data, there is little information which would allow for precise corrections in deaths or enumerated population at specific ages. The age-specific death rate, $_nm_x$, was computed as follows for all ages above age 0:

$$m_{x} = \frac{1/2 \cdot d.}{np_{x}}$$
 (1)

where $_{n}d_{x}$ = the number of deaths of persons aged x to x \div n dying in 1962 and 1963, and

 $_{n}p_{x}$ = mid-year base population as on January 1, 1963 in the age group x to x+n.

For the denominator, the mid-interval base population, the January 1, 1963 figure, was arrived at through linear interpolation of the mid-1962 and mid-1963 base PGE population.

Next, for all age groups except age 0, m_x was translated into a q_x value (probability of dying between age x and x+n) using tables prepared by Reed and Merrell[4]. For age 0, q_0 was estimated directly by:

where $q_o = infant mortality rate$

B = number of live births during 1962 and 1963

D_o = number of deaths of persons under age 1 during 1962 and 1963.

After obtaining the $_{n}q_{x}$ values, a plot of these figures indicated a highly irregular curve. To eliminate part of this fluctuation which normally would not appear in a life table, the values between $_{5}q_{10}$ and $_{5}q_{50}$, and the values above $_{5}q_{50}$ were smoothed through a moving average; $_{5}q_{10}$ and $_{5}q_{50}$ values being regarded as pivotal values because of the usual curvature of the $_{n}q_{x}$ function at those values.

The remaining aspects of the life table construction followed the format outlined in Barclay[1], Jaffe[3] and Dublin and Lotka[2]. But it would be necessary to spell out the procedure for obtaining some of the important life table values. Notations used are conventional.

$$L_o = .3 l_o + .7 l_i$$
 (3)

$$_{4}L_{1} = 1.91_{1} + 2.11_{5} \dots \dots (4)$$

where w is the highest age attained by a person. For values of $_{n}L_{x}$ other than those in (3), (4) and (5):

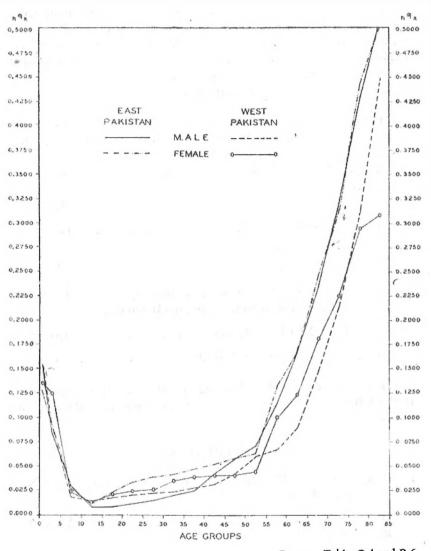
$$_{5}L_{x} = 2.5 (l_{x} + l_{x+5}) \dots (6)$$

and
$$_{\mathbf{w}}q_{85}$$
 is obviously equal to 1.0 (7)

The abridged life tables calculated from the PGE data are presented in the following tables. In addition, the estimated life tables for the periods 1965-70 to 1980-85 are reported.

REFERENCES

- 1. Barclay, George W., Techniques of Population Analysis. (New York: John Wiley, 1965).
- 2. Dubin, L. and A. J. Lotka, *The Length of Life*. (New York: The Ronald Press, 1949).
- 3. Jaffe, A. J., Handbook of Statistical Methods for Demographers. (Washington, D.C.: 1951).
- 4. Reed. L. J. and M. Merrell, A Short Method for Constructing An Abridged Life Table", The American Journal of Hygiene. Vol. 30, No. 2, 1939.



Sources: Tables B-1 and B-6 Figure B-1. Probability of Dying (nqx) at Various Ages in East and West Pakistan by Sex, 1962-63.

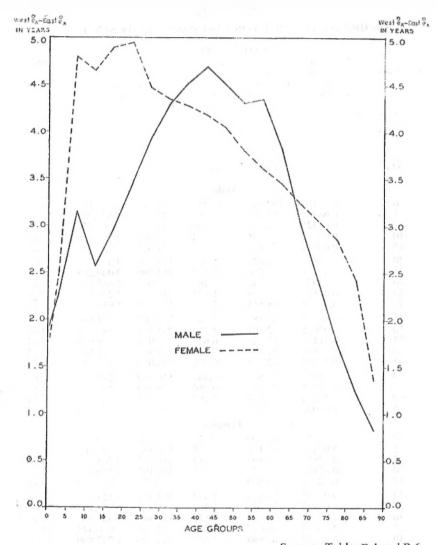


Figure B-2. East-West Pakistan Differences in Life Expectancies at Various Ages, 1962-63.

TABLE B-I ABRIDGED LIFE TABLE FOR EAST PAKISTAN BY SEX, 1962-63

| | Probability | Of 100,000 | born alive | Stationary | population | - |
|---|--|---|---|--|--|---|
| Exact age | Probability of dying between age interval | number living at age x | number dying during age interval | in the age interval | in this and all subse- quent ages | Expecta- tion of life at age x |
| x | _n q _x | I _x | nd _x | $_{n}L_{x}$ | T _x | o e _x |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | Males | | | |
| 0 1 5 10 15 20 25 30 35 40 45 50 55 60 65 | 0.15330 0.08489 0.02925 0.00777 0.00817 0.01453 0.02033 0.02580 0.04315 0.05742 0.07045 0.11477 0.16595 0.23513 | 100,000 84,670 77,482 75,216 74,632 73,210 72,146 70,679 68,855 65,884 62,101 57,726 51,101 42,621 32,600 | 15,330 7,188 2,266 584 610 812 1,064 1,467 1,824 2,971 3,783 4,375 6,625 8,480 10,021 | 89,269 323,585 381,745 374,620 371,635 368,080 363,390 357,062 348,833 336,848 319,962 299,568 272,068 234,305 188,052 | 4,918,199 4,828,930 4,505,345 4,123,600 3,748,980 3,377,345 3,009,265 2,645,875 2,288,813 1,939,978 1,603,130 1,283,168 983,600 711,532 477,227 289,175 | 49.18 57.03 58.15 54.82 50.23 45.63 41.10 36.67 32.38 28.17 24.33 20.66 17.04 13.92 11.20 8.87 |
| 75 80 85 | 0.43245 0.57244 1.00000 | 22,152 12,572 5,375 | 9,580 7,197 5,375 | 86,810 44,868 20,617 | 152,295 65,485 20,617 | 6.88 5.21 3.84 |
| | | | Females | | | |
| 0 1 5 10 15 20 | 0.12829 0.09493 0.02813 0.01144 0.02251 0.03292 | 100,000 87,171 78,896 76,677 75,800 74,094 | 12,829 8,275 2,219 877 1,706 2,439 | 91,020 331,306 388,932 381,192 374,735 364,372 | 4,690,722 4,599,702 4,268,396 3,879,464 3,498,272 3,123,537 | 46.91 52.77 54.10 50.59 46.15 42.16 |
| 25 30 35 40 45 | 0.03862 0.04110 0.04674 0.05142 0.05877 | 71,655 68,888 66,057 62,969 59,731 | 2,767 2,831 3,088 3,238 3,510 | 351,358 337,362 322,565 306,750 | 2,759,165 2,407,807 2,070,445 1,747,880 | 38.51 34.95 31.34 27.76 |
| 50 55 60 65 | 0.06243 0.13200 0.16511 0.24558 | 56,221 52,711 45,753 38,199 | 3,510 6,958 7,554 9,381 | 289,880 272,330 246,160 209,880 167,542 | 1,441,130 1,151,250 878,920 632,760 422,880 | 24.13 20.48 16.67 13.83 11.07 |
| 70 75 80 85 | 0.31550 0.44353 0.55470 1.00000 | 28,818 19,726 10,977 4,888 | 9,092 8,749 6,089 4,888 | 121,360 76,758 39,662 17,558 | 255,338 133,978 57,220 17,558 | 8.86 6.79 5.21 3.59 |

TABLE B-2
ESTIMATED ABRIDGED LIFE TABLE FOR EAST PAKISTAN BY SEX, 1965-70

| x | $_{\eta}q_{\chi}$ | I _x | n ^d x | $_{n}L_{x}$ | Tx | e _x |
|-----|-------------------|----------------|------------------|-------------|-----------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | Males | | | |
| 0 | 0.12798 | 100,000 | 12,798 | 91,041 | 5,288,576 | 52.8 |
| 1 | 0.06252 | 87,202 | 5,452 | 337,359 | 5,197,535 | 59.60 |
| 5 | 0.02171 | 81,750 | 1,775 | 404,312 | 4,860,176 | 59.4 |
| 10 | 0.00690 | 79,975 | 552 | 398,495 | 4,455,864 | 55.7 |
| 15 | 0.00857 | 79,423 | 681 | 395,412 | 4,057,369 | 51.0 |
| 20 | 0.01183 | 78,742 | 932 | 391,380 | 3,661,957 | 46.5 |
| 25 | 0.01423 | 77,810 | 1,107 | 386,282 | 3,270,577 | 42.0 |
| 30 | 0.01854 | 76,703 | 1,422 | 379,960 | 2,884,295 | 37.60 |
| 35 | 0.02336 | 75,281 | 1,759 | 372,008 | 2,504,335 | 33.2 |
| 40 | 0.03716 | 73,522 | 2,732 | 360,780 | 2,132,327 | 29.0 |
| 45 | 0.05072 | 70,790 | 3,590 | 344,975 | 1,771,547 | 25.0 |
| 50 | 0.06623 | 67,200 | 4,451 | 324,872 | 1,426,572 | 21.2 |
| 55 | 0.10536 | 62,749 | 6,611 | 297,218 | 1,101,700 | 17.5 |
| 60 | 0.15314 | 56,138 | 8,597 | 259,198 | 804,482 | 14.3 |
| 65 | 0.21999 | 47,541 | 10,459 | 211,558 | 545,284 | 11.4 |
| 70 | 0.30899 | 37,082 | 11,458 | 156,765 | 333,726 | 9.00 |
| 75 | 0.42764 | 25,624 | 10,958 | 100,725 | 176,961 | 6.9 |
| 80 | 0.57161 | 14,666 | 8,383 | 52,372 | 76,236 | 5.20 |
| 85 | 1.00000 | 6,283 | 6,283 | 23,864 | 23,864 | 3.80 |
| | | F | emale | | | |
| O | 0.10862 | 100,000 | 10,862 | 92,397 | 5,198,033 | 51.98 |
| 1 | 0.06982 | 89,138 | 6,224 | 343,482 | 5,105,636 | 57.2 |
| 5 | 0.02097 | 82,914 | 1,739 | 410,222 | 4,762,154 | 57.4 |
| 10 | 0.00920 | 81,175 | 747 | 404,008 | 4,351,932 | 53.6 |
| 15 | 0.01732 | 80,428 | 1,393 | 398,658 | 3,947,924 | 49.09 |
| 20 | 0.02508 | 79,035 | 1,982 | 390,220 | 3,549,266 | 44.9 |
| 25 | 0.02941 | 77,053 | 2,266 | 379,600 | 3,159,046 | 41.00 |
| 30 | 0.03170 | 74,787 | 2,371 | 368,008 | 3,779,446 | 37.10 |
| 35 | 0.03643 | 72,416 | 2,638 | 355,485 | 2,411,438 | 33.30 |
| 40 | 0.04086 | 69,778 | 2,851 | 341,762 | 2,055,953 | 29.40 |
| 45 | 0.04810 | 66,927 | 3,219 | 326,588 | 1,714,191 | 25.6 |
| 50 | 0.05459 | 63,708 | 3,478 | 309,845 | 1,387,603 | 21.78 |
| 55 | 0.10701 | 60,230 | 6,445 | 285,038 | 1,077,758 | 17.89 |
| 60 | 0.14050 | 53,785 | 7,557 | 250,032 | 792,720 | 14.74 |
| 65 | 0.21346 | 46,228 | 9,868 | 206,470 | 542,688 | 11.74 |
| 70 | 0.29186 | 36,360 | 10,612 | 155,270 | 336,218 | 9.2 |
| 75 | 0.42230 | 25,748 | 10,873 | 101,558 | 180,948 | 7.03 |
| 80 | 0.55140 | 14,875 | 8,202 | 53,870 | 79,390 | 5.34 |
| 85 | 1.00000 | 6,673 | 6,673 | 25,520 | 25,520 | 3.82 |

TABLE B-3
ESTIMATED ABRIDGED LIFE TABLE FOR EAST PAKISTAN
BY SEX, 1970-75

| x | _n q _x | 1 _x | n ^d x | _n L _x | T _x | e _x |
|-----|-----------------------------|----------------|------------------|-----------------------------|----------------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | 1 | Males | | | |
| 0 | 0.10638 | 100,000 | 10,638 | 92,553 | 5,623,158 | 56.23 |
| 1 | 0.04344 | 89,362 | 3,882 | 349,296 | 5,530,605 | 61.89 |
| 5 | 0.01528 | 85,480 | 1,306 | 424,135 | 5,181,309 | 60.6 |
| 10 | 0.00615 | 84,174 | 518 | 419,575 | 4,757,174 | 56.52 |
| 15 | 0.00891 | 83,656 | 745 | 416,418 | 4,337,599 | 51.83 |
| 20 | 0.01257 | 82,911 | 1,042 | 411,950 | 3,921,181 | 47.29 |
| 25 | 0.01398 | 81,869 | 1,145 | 406,482 | 3,509,231 | 42.86 |
| 30 | 0.01701 | 80,724 | 1,373 | 400,188 | 3,102,749 | 38.44 |
| 35 | 0.02128 | 79,351 | 1,689 | 392,532 | 2,702,561 | 34.06 |
| 40 | 0.03205 | 77,662 | 2,489 | 382,088 | 2,310,029 | 29.74 |
| 45 | 0.04500 | 75,173 | 3,383 | 367,408 | 1,927,941 | 25,65 |
| 50 | 0.06263 | 71,790 | 4,496 | 347,710 | 1,560,533 | 21,74 |
| 55 | 0.09734 | 67,294 | 6,550 | 320,095 | 1,212,823 | 18,05 |
| 60 | 0.14221 | 60,744 | 8,638 | 282,125 | 892,728 | 14,76 |
| 65 | 0.20707 | 52,106 | 10,790 | 233,555 | 610,603 | 11,75 |
| 70 | 0.29919 | 41,316 | 12,361 | 175,678 | 377,048 | 9.1. |
| 75 | 0.42353 | 28,955 | 12,263 | 114,118 | 201,370 | 6.9. |
| 80 | 0.57090 | 16,692 | 9,529 | 59,638 | 87,252 | 5.2. |
| 85 | 1.00000 | 7,163 | 7,163 | 27,614 | 27,614 | 3.8 |
| | | F | emales | | | |
| 0 | 0.09185 | 100,000 | 9,185 | 93,571 | 5,681,748 | 56.8: |
| 1 | 0.04840 | 90,815 | 4,395 | 354,031 | 5,588,177 | 61.5: |
| 5 | 0.01486 | 86,420 | 1,284 | 428,890 | 5,234,146 | 60.5: |
| 10 | 0.00729 | 85,136 | 612 | 424,128 | 4,805,256 | 56.4: |
| 15 | 0.01290 | 84,515 | 1,090 | 419,850 | 4,381,128 | 51.8: |
| 20 | 0.01840 | 83,425 | 1,535 | 413,288 | 3,961,278 | 47.4 |
| 25 | 0.02156 | 81,890 | 1,766 | 405,035 | 3,547,990 | 43.3 |
| 30 | 0.02368 | 80,124 | 1,897 | 395,878 | 3,142,955 | 39.2 |
| 35 | 0.02764 | 78,227 | 2,162 | 385,730 | 2,747,077 | 35.1 |
| 40 | 0.03185 | 76,065 | 2,423 | 374,268 | 2,361,347 | 31.0 |
| 45 | 0.03900 | 73,642 | 2,872 | 361,030 | 1,987,079 | 26.9 |
| 50 | 0.04790 | 70,770 | 3,390 | 345,375 | 1,626,049 | 22.9 |
| 55 | 0.08569 | 67,380 | 5,774 | 322,465 | 1,280,674 | 19.0 |
| 60 | 0.11951 | 61,606 | 7,363 | 289,622 | 958,209 | 15.5 |
| 65 | 0.18607 | 54,243 | 10,093 | 245,982 | 668,587 | 12.3 |
| 70 | 0.27169 | 44,150 | 11,995 | 190,762 | 422,605 | 9.5 |
| 75 | 0.40419 | 32,155 | 12,997 | 128,282 | 231,843 | 7.2 |
| 80 | 0.54859 | 19,158 | 10,510 | 69,515 | 103,561 | 5.4 |
| 85 | 1.00000 | 8,648 | 8,648 | 34,046 | 34,046 | 3.9 |

TABLE.B-4
ESTIMATED ABRIDGED LIFE TABLE FOR EAST PAKISTAN
BY SEX, 1975-80

| x | $_{n}q_{x}$ | 1 _x | $_{n}d_{x}$ | _n L _x | T _x | e _x |
|-----|-------------|----------------|-------------|-----------------------------|----------------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | 1 | Males | | | |
| 0 | 0.09000 | 100,000 | 9,000 | 93,700 | 5,888,583 | 58.8 |
| 1 | 0.02897 | 91,000 | 2,636 | 358,464 | 5,794,883 | 63.6 |
| 5 | 0.01040 | 88,364 | 919 | 439,522 | 5,436,419 | 61.5 |
| 10 | 0.00558 | 87,445 | 488 | 436,005 | 4,996,897 | 57.1 |
| 15 | 0.00917 | 86,957 | 797 | 432,792 | 4,560,892 | 52.4 |
| 20 | 0.01313 | 86,160 | 1,131 | 427,972 | 4,128,100 | 47.9 |
| 25 | 0.01379 | 85,029 | 1,173 | 422,212 | 3,700,128 | 43.5 |
| 30 | 0.01585 | 83,856 | 1,329 | 415,958 | 3,277,916 | 39.0 |
| 35 | 0.01970 | 82,527 | 1,626 | 408,570 | 2,861,958 | 34.6 |
| 40 | 0.02817 | 80,901 | 2,279 | 398,808 | 2,453,388 | 30.3 |
| 45 | 0.04066 | 78,622 | 3,197 | 385,118 | 2,054,580 | 26.1 |
| 50 | 0.05990 | 75,425 | 4,518 | 365,830 | 1,669,462 | 22.1 |
| 55 | 0.09125 | 70,907 | 6,470 | 338,360 | 1,303,632 | 18.3 |
| 60 | 0.13392 | 64,437 | 8,629 | 300,612 | 965,272 | 14.9 |
| 65 | 0.19727 | 55,808 | 11,009 | 251,518 | 664,660 | 11.9 |
| 70 | 0.29175 | 44,799 | 13,070 | 191,320 | 413,142 | 9.2 |
| 75 | 0.42041 | 31,729 | 13,339 | 125,298 | 221,822 | 6.9 |
| 80 | 0.57036 | 18,390 | 10,489 | 65,728 | 96,524 | 5.2 |
| 85 | 1.00000 | 7,901 | 7,901 | 30,796 | 30,796 | 3.9 |
| | | F | emales | | | |
| 0 | 0.07913 | 100,000 | 7,913 | 94,461 | 6,084,396 | 60.8 |
| 1 | 0.03215 | 92,087 | 2,961 | 362,130 | 5,989,935 | 65.0 |
| 5 | 0.01022 | 89,126 | 911 | 443,352 | 5,627,805 | 63.1 |
| 10 | 0.00584 | 88,215 | 515 | 439,788 | 5,184,453 | 58.7 |
| 15 | 0.00954 | 87,700 | 837 | 436,408 | 4,744,665 | 54.1 |
| 20 | 0.01333 | 86,863 | 1,158 | 431,420 | 4,308,257 | 49.6 |
| 25 | 0.01560 | 85,705 | 1,337 | 425,182 | 3,876,837 | 45.2 |
| 30 | 0.01760 | 84,368 | 1,485 | 418,128 | 3,451,655 | 40.9 |
| 35 | 0.02097 | 82,883 | 1,738 | 410,070 | 3,033,527 | 36.6 |
| 40 | 0.02502 | 81,145 | 2,030 | 400,650 | 2,623,457 | 32.3 |
| 45 | 0.03209 | 79,115 | 2,539 | 389,228 | 2,222,807 | 28.19 |
| 50 | 0.04282 | 76,576 | 3,279 | 374,682 | 1,833,579 | 23.9 |
| 55 | 0.06952 | 73,297 | 5,096 | 353,745 | 1,458,897 | 19.90 |
| 60 | 0.10358 | 68,201 | 7,064 | 323,345 | 1,105,152 | 16.20 |
| 65 | 0.16529 | 61,137 | 10,105 | 280,422 | 781,807 | 12.7 |
| 70 | 0.25639 | 51,032 | 13,084 | 222,450 | 501,385 | 9.82 |
| 75 | 0.39045 | 37,948 | 14,817 | 152,698 | 278,935 | 7.35 |
| 80 | 0.54646 | 23,131 | 12,640 | 84,055 | 126,237 | 5.4 |
| 85 | 1.00000 | 10,491 | 10,491 | 42,182 | 42,182 | 4.0 |

TABLE B-5
ESTIMATED ABRIDGED LIFE TABLE FOR EAST PAKISTAN
BY SEX, 1980-85

| x | | $_{n}q_{x}$ | l _x | $_{n}d_{x}$ | $_{n}L_{x}$ | T _x | e _x |
|-----|-----|-----------------|----------------|-------------|-------------|----------------|----------------|
| (1) | | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | Ŋ | lales | | | |
| 0 | | 0.07883 | 100,000 | 7,883 | 94,482 | 6,075,454 | 60.75 |
| 1 | | 0.01911 | 92,117 | 1,760 | 364,772 | 5,980,972 | 65.01 |
| 5 | | 0.00707 | 90,357 | 639 | 450,188 | 5,616,200 | 62.10 |
| 10 | | 0.00520 | 89,718 | 467 | 447,422 | 5,166,012 | 57.58 |
| 15 | | 0.00935 | 89,251 | 834 | 444,170 | 4,718,590 | 52.8 |
| 20 | | 0.01351 | 88,417 | 1,194 | 439,100 | 4,274,420 | 48.34 |
| 25 | | 0.01366 | 87,223 | 1,191 | 433,138 | 3,835,320 | 43.9 |
| 30 | | 0.01505 | 86,032 | 1,295 | 426,922 | 3,402,182 | 39.55 |
| 35 | | 0.01863 | 84,737 | 1,579 | 419,738 | 2,975,260 | 35.1 |
| 40 | | 0.02553 | 83,158 | 2,123 | 410,482 | 2,555,522 | 30.73 |
| 45 | | 0.03770 | 81,035 | 3,055 | 397,538 | 2,145,040 | 26.4° |
| 50 | | 0.05805 | 77,980 | 4,527 | 378,582 | 1,747,502 | 22.4 |
| 55 | | 0.08710 | 73,453 | 6,398 | 351,270 | 1,368,920 | 18.6° |
| 60 | | 0.12826 | 67,055 | 8,600 | 313,775 | 1,017,650 | 15.1° |
| 65 | | 0.19059 | 58,455 | 11,141 | 264,422 | 703,875 | 1 2.0 ° |
| 70 | | 0.28668 | 47,314 | 13,564 | 202,660 | 439,453 | 9.29 |
| 75 | | 0.41829 | 33,750 | 14,117 | 133,458 | 236,793 | 7.02 |
| 80 | | 0.57000 | 19,633 | 11,191 | 70,188 | 103,335 | 5.20 |
| 85 | | 1.00000 | 8,442 | 8,442 | 33,147 | 33,147 | 3.93 |
| | | | F | emales | | | |
| 0 | X-1 | 0.07045 | 100,000 | 7,045 | 95,068 | 6,378,498 | 63.73 |
| 1 | | 0.021 08 | 92,955 | 1,959 | 367,706 | 6,283,430 | 67.66 |
| 5 | | 0.00706 | 90,996 | 642 | 453,375 | 5,915,724 | 65.0 |
| 10 | | 0.00484 | 90,354 | 437 | 450,678 | 5,462,349 | 60.4 |
| 15 | | 0.00726 | 89,917 | 653 | 447,952 | 5,011,671 | 55.76 |
| 20 | | 0.00987 | 89,264 | 881 | 444,118 | 4,563,719 | 51.1. |
| 25 | | 0.01154 | 88,383 | 1,020 | 439,365 | 4,119,601 | 46.6 |
| 30 | | 0.01346 | 87,363 | 1,176 | 433,875 | 3,680,236 | 42.1. |
| 35 | | 0.01642 | 86,187 | 1,415 | 427,398 | 3,246,361 | 37.6 |
| 40 | | 0.02036 | 84,772 | 1,726 | 419,545 | 2,818,963 | 33.2 |
| 45 | | 0.02738 | 83,046 | 2,274 | 409,545 | 2,399,418 | 28.89 |
| 50 | | 0.03936 | 80,772 | 3,179 | 395,912 | 1,989,873 | 24.69 |
| 55 | | 0.05850 | 77,593 | 4,539 | 376,618 | 1,593,961 | 20.59 |
| 60 | | 0.09272 | 73,054 | 6,774 | 348,335 | 1,217,343 | 16.69 |
| 65 | | 0.15112 | 66,280 | 10,016 | 306,360 | 869,008 | 13.1 |
| 70 | | 0.24596 | 56,264 | 13,839 | 246.722 | 562,648 | 10.00 |
| 75 | | 0.38109 | 42,425 | 16,168 | 171,705 | 315,926 | 7.4: |
| 80 | | 0.54500 | 26,257 | 14,310 | 95,510 | 144,221 | 5.49 |
| 85 | | 1.00000 | 11,947 | 11,947 | 48,711 | 48,711 | 4.00 |

TABLE B-6 ABRIDGED LIFE TABLE FOR WEST PAKISTAN BY SEX, 1961-63

| | | DI | SEA, 1901 | -03 | | |
|----------------------------|---|--------------------------------------|---|---|---|---|
| | Probability | | born alive | Stationary | population | Funcata |
| Exact age | of dying between age interval | number living at age x | number dying du- ring age interval | in the age interval | in this and all subse- quent ages | Expecta- tion of life at age x |
| x | $_{n}q_{x}$ | l _x | $_{n}d_{x}$ | _n L _x | T _x | e _x |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | Malan | | | |
| 0 1 5 10 | 0.15300 0.09474 0.01864 0.01366 0.01765 | 84,700 76,676 75,247 | Males 15,300 8,024 1,429 1,028 1,310 | 89,290 321,950 379,808 373,665 367,820 | 5,110,454 5,021,164 4,699,214 4,319,406 3,945,741 | 51.10 59.28 61.29 57.40 53.16 |
| 20 25 30 35 40 | 0.02015 0.02181 0.02363 0.02681 0.03098 | 72,909 71,440 69,882 68,231 | 1,469 1,558 1,651 1,829 2,058 | 360,872 353,305 345,282 336,582 326,865 | 3,577,921 3,217,049 2,863,744 2,518,462 2,181,880 | 49.07 45.03 40.98 36.91 32.86 |
| 45 50 55 60 65 | 0.04146 0.05965 0.06680 0.08913 0.14712 | 61,676 57,997 54,123 | 2,668 3,679 3,874 4,824 7,253 | 315,050 299,182 280,300 258,555 228,362 | 1,855,015 1,539,965 1,240,783 960,483 701,928 | 28.83 24.97 21.39 17.75 14.24 |
| 70 75 80 85 | 0.21352 0.31385 0.44917 1.00000 | 33,068 22,690 | 8,978 10,378 10,192 12,498 | 187,785 139,395 87,970 58,416 | 473,566 285,781 146,386 58,416 | 11.26 8.64 6.45 4.67 |
| 0 1 5 10 15 | 0.13552 0.12466 0.02329 0.01495 0.02165 | 86,448 75,671 73,909 | Female 13,552 10,777 1,762 1,105 1,576 | 90,514 323,160 373,950 366,782 360,080 | 4,870,229 4,779,715 4,456,555 4,082,605 3,715,823 | 48.70 55.29 58.89 55.24 51.04 |
| 20 25 30 35 40 | 0.02463 0.02535 0.03449 0.03842 0.04021 | 67,713 | 1,754 1,761 2,335 2,512 2,528 | 351,755 342,968 332,728 320,610 308,010 | 3,355,743 3,003,988 2,661,020 2,328,292 2,007,682 | 47.11 43.24 39.30 35.61 31.94 |
| 45 50 55 60 65 | 0.04108 0.04427 0.10118 0.12053 0.18119 | 49,702 | 2,479 2,562 5,595 5,991 7,920 | 295,492 282,890 262,498 233,532 198,755 | 1,699,672 1,404,180 1,121,290 858,792 625,260 | 28.17 24.27 20.28 17.28 14.30 |
| 70 75 80 85 | 0.22444 0.29510 0.31148 1.00000 | 35,791 27,758 19,567 | 8,033 8,191 7,095 13,472 | 158,872 118,312 82,598 66,723 | 426,505 267,633 149,321 66,723 | 11.92 9.64 7.63 4.05 |

TABLE B-7
ESTIMATED ABRIDGED LIFE TABLE FOR WEST PAKISTAN BY SEX, 1965-70

| x | $_{n}q_{x}$ | 1 _x | $_{n}d_{x}$ | $_{n}L_{x}$ | T _x | e _x |
|-----|-------------|----------------|-------------|----------------|----------------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | 1 | Males | | | |
| 0 | 0.13028 | 100,000 | 13,028 | 90,880 | 5,435,404 | 54.33 |
| 1 | 0.07315 | 86,972 | 6,362 | 334,528 | 5,344,524 | 61.43 |
| 5 | 0.01463 | 80,610 | 1,179 | 400,102 | 5,009,996 | 62.13 |
| 10 | 0.01072 | 79,431 | 852 | 395,025 | 4,609,894 | 58.04 |
| 15 | 0.01415 | 78,579 | 1,112 | 390,115 | 4,214,869 | 53.64 |
| 20 | 0.01692 | 77,467 | 1,311 | 384,058 | 3,824,754 | 49.37 |
| 25 | 0.01821 | 76,156 | 1,387 | 377,312 | 3,440,696 | 45.18 |
| 30 | 0.02030 | 74,769 | 1,518 | 370,050 | 3,063,384 | 40.97 |
| 35 | 0.02322 | 73,251 | 1,701 | 362,002 | 2,693,334 | 36.77 |
| 40 | 0.02813 | 71,550 | 2,013 | 352,718 | 2,331,332 | 32.58 |
| 45 | 0.03813 | 69,537 | 2,651 | 341,058 | 1,978,614 | 28.45 |
| 50 | 0.05547 | 66,886 | 3,710 | 325,155 | 1,637,556 | 24.48 |
| 55 | 0.06780 | 63,176 | 4,283 | 305,172 | 1,312,401 | 20.7 |
| 60 | 0.09440 | 58,893 | 5,559 | 280,568 | 1,007,229 | 17.10 |
| 65 | 0.15070 | 53,334 | 8,037 | 246,578 | 726,661 | 13.62 |
| 70 | 0.22658 | 45,297 | 10,263 | 200,828 | 480,083 | 10.60 |
| 75 | 0.34248 | 35,034 | 11,998 | 145,175 | 279,255 | 7.97 |
| 80 | 0.49433 | 23,036 | 11,387 | 86,712 | 134,080 | 5.82 |
| 85 | 1.00000 | 11,649 | 11,649 | 47,368 | 47,368 | 4.07 |
| | | F | emales | | | |
| 0 | 0.11724 | 100,000 | 11,724 | 91,793 | 5,332,600 | 53.33 |
| 1 | 0.09410 | 88,276 | 8,307 | 335,659 | 5,240,807 | 59.33 |
| 5 | 0.01765 | 79,969 | 1,411 | 396,318 | 4,905,148 | 61.34 |
| 10 | 0.01141 | 78,558 | 896 | 390,550 | 4,508,830 | 57.39 |
| 15 | 0.01658 | 77,662 | 1,288 | 385,090 | 4,118,280 | 53.03 |
| 20 | 0.01936 | 76,374 | 1,479 | 378,172 | 3,733,190 | 48.88 |
| 25 | 0.02033 | 74,895 | 1,523 | 370,668 | 3,355,018 | 44.80 |
| 30 | 0.02678 | 73,372 | 1,965 | 361,948 | 2,984,350 | 40.6 |
| 35 | 0.03005 | 71,407 | 2,146 | 351,670 | 2,662,402 | 36.72 |
| 40 | 0.03245 | 69,261 | 2,248 | 340,685 | 2,270,732 | 32.79 |
| 45 | 0.03460 | 67,013 | 2,319 | 329,268 | 1,930.047 | 28.86 |
| 50 | 0.04009 | 64,694 | 2,594 | 316,985 | 1,600,779 | 24.74 |
| 55 | 0.08230 | 62,100 | 5,111 | 297,722 | 1,283,794 | 20.67 |
| 60 | 0.10485 | 56,989 | 5,975 | 270,008 | 986,072 | 17.36 |
| 65 | 0.16145 | 51,014 | 8,236 | 234,480 | 716,064 | 14.04 |
| 70 | 0.22055 | 42,778 | 9,435 | 190,302 | 481,584 | 11.26 |
| 75 | 0.31437 | 33,343 | 10,482 | 140,510 | 291,282 | 8.74 |
| 80 | 0.38408 | 22,861 | 8,780 | 92,355 | 150,772 | 6.60 |
| 85 | 1.00000 | 14,081 | 14,081 | 58,417 | 58,417 | 4.13 |

TABLE B-8
ESTIMATED ABRIDGED LIFE TABLE FOR WEST PAKISTAN BY SEX, 1970-75

| х | | _n q _x | 1 _x | nd _x | _n L _x | T _x | o e _x |
|----------------------------|----------------|--|---|---|---|---|---|
| (1) | | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | 1 | Males | | | |
| 0 1 5 10 15 | 0 0 0. | .11090 .05473 .01121 .00821 .01117 | 100,000 88,910 84,044 83,102 82,420 | 11,090 4,866 942 682 921 | 92,237 345,421 417,865 413,805 409,798 | 5,731,610 5,639,373 5,293,952 4,876,087 4,462,282 | 57.32 63.43 62.99 58.68 54.14 |
| 20 25 30 35 40 | 0. 0. 0. | 01416 01514 01746 02016 02570 | 81,499 80,345 79,129 77,747 76,180 | 1,154 1,216 1,382 1,567 1,958 | 404,610 398,685 392,190 394,818 376,005 | 4,052,484 3,647,874 3,249,189 2,856,999 2,472,181 | 49.72 45.40 41.06 36.75 32.45 |
| 45 50 55 60 65 | 0 0 0 | .03529 .05191 .06866 .09890 | 74,222 71,603 67,886 63,225 56,972 | 2,619 3,717 4,661 6,253 8,760 | 364,562 348,722 327,778 300,492 262,960 | 2,096,176 1,731,614 1,382,892 1,055,114 754,622 | 28.24 24.18 20.37 16.69 13.25 |
| 70 75 80 85 | 0 | .23772 .36690 .53285 .00000 | 48,212 36,751 23,267 10,869 | 11,461 13,484 12,398 10,869 | 212,408 150,045 85,340 43,869 | 491,662 279,254 129,209 43,869 | 10.20 7.60 5.55 4.04 |
| | | | F | emales | | | |
| 0 1 5 10 15 | 0 0 0 | .10165 .06803 .01284 .00839 .01226 | 100,000 89,835 83,724 82,649 81,956 | 10,165 6,111 1,075 693 1,005 | 92,884 346,507 415,933 411,512 407,268 | 5,778,461 5,685,577 5,339,070 4,923,137 4,511,625 | 57.78 63.29 63.77 59.57 55.05 |
| 20 25 30 35 40 | 0 0 0 | .01486 .01605 .02021 .02291 .02583 | 80,951 79,748 78,468 76,882 75,121 | 1,203 1,280 1,586 1,761 1,940 | 401,748 395,540 388,375 380,008 370,755 | 4,104,357 3,702,609 3,307,069 2,918,694 2,538,686 | 50.70 46.43 42.15 37.96 33.79 |
| 45 50 55 60 65 | 0 0 0 | .02908 .03652 .06619 .09147 .14461 | 73,181 71,053 68,458 63,927 58,080 | 2,128 2,595 4,531 5,847 8,399 | 360,585 348,778 330,962 305,018 269,402 | 2,167,931 1,807,346 1,458,568 1,127,606 822,588 | 29.62 25.44 21.31 17.64 14.16 |
| 70 75 80 85 | 0 | .21723 .33081 .40052 .00000 | 49,681 38,889 26,024 15,601 | 10,792 12,865 10,423 15,601 | 221,425 162,282 104,062 65,417 | 553,186 331,761 169,479 65,417 | 11.13 8.53 6.51 4.19 |

TABLE B-9
ESTIMATED ABRIDGED LIFE TABLE FOR WEST PAKISTAN
BY SEX, 1975-80

| x | nq _x | Lx | $_{n}d_{x}$ | $_{n}L_{x}$ | T_x | e _x |
|-----|-----------------|---------|-------------|-------------|-----------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | 1 | Males | | | |
| 0 | 0.09620 | 100,000 | 9,620 | 93,266 | 5,964,355 | 59.64 |
| 1 | 0.04076 | 90,380 | 3,684 | 353,784 | 5,871,089 | 64.96 |
| 5 | 0.00862 | 86,696 | 747 | 431,612 | 5,517,305 | 63.64 |
| 10 | 0.00631 | 85,949 | 542 | 428,390 | 5,085,693 | 59.17 |
| 15 | 0.00891 | 85,407 | 761 | 425,132 | 4,657,303 | 54.53 |
| 20 | 0.01207 | 85,646 | 1,022 | 420,675 | 4,232,171 | 50.00 |
| 25 | 0.01281 | 83,624 | 1,071 | 415,442 | 3,811,496 | 45.58 |
| 30 | 0.01530 | 82,553 | 1,263 | 409,608 | 3,396,054 | 41.14 |
| 35 | 0.01784 | 81,290 | 1,450 | 402,825 | 2,986,446 | 36.74 |
| 40 | 0.02386 | 79,840 | 1,905 | 394,438 | 2,583,621 | 32.36 |
| 45 | 0.03314 | 77,935 | 2,583 | 383,218 | 2,189,183 | 28.09 |
| 50 | 0.04921 | 75,352 | 3,708 | 367,490 | 1,805,965 | 23.97 |
| 55 | 0.06931 | 71,644 | 4,966 | 345,805 | 1,438,475 | 20.08 |
| 60 | 0.12031 | 66,678 | 6,822 | 316,335 | 1,092,670 | 16.39 |
| 65 | 0.15608 | 59,856 | 9,342 | 275,925 | 776,335 | 12.97 |
| 70 | 0.24617 | 50,514 | 12,435 | 221,482 | 500,410 | 9.91 |
| 75 | 0.38543 | 38,079 | 14,677 | 153,702 | 278,928 | 7.32 |
| 80 | 0.56207 | 23,402 | 13,154 | 84,125 | 125,226 | 5.35 |
| 85 | 1.00000 | 10,248 | 10,248 | 41,101 | 41,101 | 4.01 |
| | | F | emales | | | |
| 0 | 0.08983 | 100,000 | 8,983 | 93,712 | 6,140,060 | 61.40 |
| 1 | 0.04825 | 91,017 | 4,392 | 354,845 | 6,046,348 | 66.43 |
| 5 | 0.00919 | 86,625 | 796 | 431,135 | 5,691,503 | 65.70 |
| 10 | 0.00610 | 85,829 | 524 | 427,835 | 5,260,368 | 61.29 |
| 15 | 0.00898 | 85,305 | 766 | 424,610 | 4,832,533 | 56.65 |
| 20 | 0.01145 | 84,539 | 968 | 420,275 | 4,407,923 | 52.14 |
| 25 | 0.01280 | 83,571 | 1,070 | 415,180 | 3,987,648 | 47.72 |
| 30 | 0.01522 | 82,501 | 1,256 | 409,365 | 3,572,468 | 43.30 |
| 35 | 0.01749 | 81,245 | 1,421 | 402,672 | 3,163,103 | 38.93 |
| 40 | 0.02481 | 79,824 | 1,661 | 394,968 | 2,760,431 | 34.58 |
| 45 | 0.02489 | 78,163 | 1,945 | 385,952 | 2,365,463 | 30.26 |
| 50 | 0.03381 | 76,218 | 2,577 | 374,648 | 1,979,511 | 25.97 |
| 55 | 0.05397 | 73,641 | 3,974 | 358,270 | 1,604,863 | 21.79 |
| 60 | 0.08132 | 69,667 | 5,665 | 334,172 | 1,246,593 | 17.89 |
| 65 | 0.13183 | 64,002 | 8,437 | 298,918 | 912,421 | 14.26 |
| 70 | 0.21471 | 55,565 | 11,930 | 248,000 | 613,503 | 11.04 |
| 75 | 0.34328 | 43,635 | 14,979 | 180,728 | 365,503 | 8.38 |
| 80 | 0.41299 | 28,656 | 11,835 | 113,692 | 184,775 | 6.45 |
| 85 | 1.00000 | 16,821 | 16,821 | 71,083 | 71,083 | 4.23 |

TABLE B-10
ESTIMATED ABRIDGED LIFE TABLE FOR WEST PAKISTAN BY SEX, 1980-85

| x | $_{n}q_{x}$ | 1_x | $_{n}d_{x}$ | $_{n}L_{x}$ | T_x | e _x |
|-----|-------------|--------|-------------|-------------|-----------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| | | | Males | | | |
| 0 | 0.08618 | 8,618 | 100,000 | 93,967 | 6,126,624 | 61.2 |
| 1 | 0.03123 | 2,862 | 91,382 | 359,518 | 6,032,657 | 66.0 |
| 5 | 0.00686 | 607 | 88,520 | 441,083 | 5,673,139 | 64.0 |
| 10 | 0.00501 | 440 | 87,913 | 438,465 | 5,232,056 | 59.5 |
| 15 | 0.00737 | 645 | 87,473 | 435,753 | 4,793,591 | 54.8 |
| 20 | 0.01065 | 925 | 86,828 | 431,828 | 4,357,838 | 50.1 |
| 25 | 0.01121 | 963 | 85,903 | 427,108 | 3,926,010 | 45.7 |
| 30 | 0.01383 | 1,175 | 84,940 | 421,763 | 3,498,902 | 41.1 |
| 35 | 0.01626 | 1,362 | 83,765 | 415,420 | 3,077,139 | 36.7 |
| 40 | 0.02261 | 1,863 | 82,403 | 407,358 | 2,661,719 | 32.3 |
| 45 | 0.03168 | 2,552 | 80,540 | 396,320 | 2,254,361 | 27.9 |
| 50 | 0.04736 | 3,694 | 77,988 | 380,705 | 1,858,041 | 23.8 |
| 55 | 0.06975 | 5,182 | 74,294 | 358,515 | 1,477,336 | 19.8 |
| 60 | 0.10463 | 7,231 | 69,112 | 327,483 | 1,118,821 | 16.1 |
| 65 | 0.15766 | 9,756 | 61,881 | 285,015 | 791,338 | 12.7 |
| 70 | 0.25193 | 13,132 | 52,125 | 227,795 | 506,323 | 9.7 |
| 75 | 0.39807 | 15,522 | 38,993 | 156,160 | 278,528 | 7.1 |
| 80 | 0.58200 | 13,660 | 23,471 | 83,205 | 122,368 | 5.2 |
| 85 | 1.00000 | 9,811 | 9,811 | 39,163 | 39,163 | 3.9 |
| | | F | emales | | | |
| 0 | 0.08177 | 8,177 | 100,000 | 94,276 | 6,376,288 | 63.76 |
| 1 | 0.03477 | 3,193 | 91,823 | 360,587 | 6,282,012 | 68.4 |
| 5 | 0.00669 | 593 | 88,630 | 441,668 | 5,921,425 | 66.8 |
| 10 | 0.00455 | 401 | 88,037 | 439,182 | 5,479,757 | 62.26 |
| 15 | 0.00675 | 592 | 87,636 | 436,700 | 5,040,575 | 57.53 |
| 20 | 0.00912 | 794 | 87,044 | 433,235 | 4,603,875 | 52.89 |
| 25 | 0.01060 | 914 | 86,250 | 428,965 | 4,170,640 | 48.39 |
| 30 | 0.01182 | 1,009 | 85,336 | 424,158 | 3,741,675 | 43.83 |
| 35 | 0.01379 | 1,163 | 84,327 | 418,728 | 3,317,517 | 39.34 |
| 40 | 0.01739 | 1,446 | 83,164 | 412,205 | 2,898,789 | 34.89 |
| 45 | 0.02203 | 1,800 | 81,718 | 404,090 | 2,486,584 | 30.4 |
| 50 | 0.03197 | 2,555 | 79,918 | 393,202 | 2,082,494 | 26.0 |
| 55 | 0.04564 | 3,531 | 77,363 | 377,988 | 1,689,292 | 21.8 |
| 60 | 0.07440 | 5,493 | 73,832 | 355,428 | 1,311,304 | 17.7 |
| 65 | 0.12312 | 8,414 | 68,339 | 320,660 | 955,876 | 13.9 |
| 70 | 0.21299 | 12,763 | 59,925 | 267,718 | 635,216 | 10.60 |
| 75 | 0.35179 | 16,591 | 47,162 | 194,332 | 367,498 | 7.79 |
| 80 | 0.52500 | 16,050 | 30,571 | 112,730 | 173,166 | 5.66 |
| 85 | 1.00000 | 14,521 | 14,521 | 660,436 | 60,436 | 4.16 |

Appendix C

DETAILED PROJECTED POPULATION TABLES

In this section three separate sets of tables are presented. These sets contain population projections, by age (five-year age groups) and sex, for All Pakistan, East Pakistan and West Pakistan separately. The projections in each case cover the period 1960 to 2000.

For each of the sets, three assumptions regarding mortality and fertility are made. Under each of the three assumptions, mortality is assumed to decline exponentially but at different rates for East and West Pakistan and at different rates for males and females in each province. The assumptions differ only with respect to fertility. Under Assumption I, fertility is assumed to remain constant. Assumptions II and III demonstrate the impact of slowly and rapidly declining fertility rates.

Projections after the current Perspective-Plan period reflect continuing trends and, therefore, should be viewed as illustrations of the consequence of continuing rates of fertility and mortality projected from 1985 to 2000.

TABLE C-1
PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| FERT | ILITY ASSI | UMPTION I | 411 | | 130 | | 1 - 4 | (numbers are | in 000's) |
|---|--|--|--|--|--|--|--|--|---|
| Age | 100 | 1411 | 1751 | Mid-year po | opulation | 207 | 1,13 | Cylin. | 37,490 |
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 12 7a 20 31 | 7151 | 7'02 | (0) | Both se | exes | 7 177 . 105 | 131 | 1801 | 30 Pds 10 129 |
| All ages | 97,720 | 113,948 | 134,939 | 163,027 | 200,009 | 247,254 | 305,767 | 378,718 | 470,546 |
| 0—4 5—9 10—14 15—19 20—24 | 19,578 15,300 10,855 7,670 6,867 | 21,536 17,992 15,051 10,696 7,497 | 26,170 20,213 17,734 14,877 10,525 | 33,280 25,005 20,000 17,570 14,680 | 42,295 32,217 24,809 19,849 17,378 | 52,932 41,305 32,027 24,652 19,664 | 65,243 51,696 41,059 31,824 24,419 | 80,964 63,722 51,387 40,799 31,524 | 101,381 79,082 63,343 51,062 40,415 |
| 25—29 30—34 35—39 40—44 45—49 | 7,057 6,055 5,177 4,400 3,800 | 6,691 6,848 5,865 4,990 4,208 | 7,353 6,541 6,670 5,681 4,796 | 10,357 7,220 6,402 6,497 5,491 | 14,487 10,203 7,095 6,262 6,309 | 17,181 14,300 10,050 6,959 6,102 | 19,438 16,961 14,086 9,857 6,782 | 24,143 19,191 16,705 13,817 9,602 | 31,164 23,835 18,903 16,388 13,460 |
| 50—54 55—59 60—64 65—69 70—74 | 3,024 2,611 2,001 1,475 829 | 3,590 2,784 2,296 1,665 1,127 | 4,003 3,331 2,487 1,945 1,293 | 4,586 3,742 3,012 2,135 1,535 | 5,272 4,314 3,411 2,612 1,699 | 6,072 4,980 3,956 2,975 2,092 | 5,875 5,736 4,567 3,453 2,384 | 6,531 5,553 5,261 3,985 2,764 | 9,244 6,175 5,069 4,590 3,191 |
| 75—79 80—84 85 + | 651 240 129 | 571 385 157 | 782 332 207 | 892 446 177 | 1,063 500 235 | 1,176 583 249 | 1,448 646 291 | 1,649 797 321 | 1,915 906 397 |

TABLE C- (Contd.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FERTI | LITY ASS | SUMPTION I | | . 333 | | | | (numbers a | re in 000's) |
|----------|----------|------------|--------|--------|----------------|---------|---------|------------|--------------|
| Age | 1,001 | 2510 | 2, 187 | Mid-ye | ear population | on . | , | | |
| Ago | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | .1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 17 | | | 1213 | Ma | les | 1,000 | | | |
| All ages | 50,455 | 58,881 | 69,652 | 83,963 | 102,746 | 126,728 | 156,476 | 193,618 | 240,421 |
| 0-4 | 9,916 | 10,985 | 13,371 | 17,026 | 21,658 | 27,124 | 33,431 | 41,487 | 51,948 |
| 5—9 | 7,789 | 9,165 | 10,351 | 12,805 | 16,502 | 21,163 | 26,504 | 32,669 | 40,543 |
| 10—14 | 5,535 | 7,670 | 9,039 | 10,244 | 12,705 | 16,403 | 21,034 | 26,342 | 32,471 |
| 15—19 | 3,927 | 5,471 | 7,595 | 8,963 | 10,168 | 12,619 | 16,291 | 20,891 | 26,163 |
| 2024 | 3,534 | 3,860 | 5,403 | 7,507 | 8,866 | 10,064 | 12,488 | 16,120 | 20,673 |
| 25-29 | 3,657 | 3,467 | 3,801 | 5,327 | 7,409 | 8,756 | 9,938 | 12,333 | 15,920 |
| 30—34 | 3,161 | 3,576 | 3,405 | 3,740 | 5,250 | 7,308 | 8,637 | 9,803 | 12,166 |
| 35—39 | 2,725 | 3,087 | 3,500 | 3,341 | 3,677 | 5,166 | 7,191 | 8,498 | 9,646 |
| 4044 | 2,330 | 2,643 | 3,000 | 3,414 | 3,266 | 3,599 | 5,058 | 7,041 | 8,321 |
| 4549 | 2,017 | 2,233 | 2,541 | 2,896 | 3,305 | 3,170 | 3,495 | 4,908 | 6,833 |
| 5054 | 1,601 | 1,900 | 2,116 | 2,417 | 2,763 | 3,160 | 3,082 | 3,343 | 4,694 |
| 55—59 | 1,386 | 1,479 | 1,761 | 1,967 | 2,254 | 2,582 | 2,953 | 2,834 | 3,126 |
| 60—64 | 1,074 | 1,232 | 1,323 | 1,582 | 1,772 | 2,035 | 2,331 | 2,665 | 2,560 |
| 6569 | 800 | 902 | 1,044 | 1,127 | 1,353 | 1,517 | 1,742 | 1,995 | 2,280 |
| 7074 | 453 | 616 | 698 | 815 | 881 | 1,059 | 1,188 | 1,363 | 1,560 |
| 7579 | 356 | 312 | 424 | 475 | 552 | 593 | 713 | 798 | 917 |
| 8084 | 128 | 205 | 176 | 232 | 253 | 292 | 314 | 378 | 422 |
| 85 ⊹ | 65 | 78 | 104 | 87 | 112 | 120 | 138 | 148 | 178 |
| | | | | | | | | | (Contd.) |

TABLE C-1 (Concld.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FERTI | LITY ASS | UMPTION I | | | | | | (numbers ar | e in 000's) |
|---|---|---|---|---|---|---|---|---|---|
| Age | 2,64 | 17,40 | i. | Mid- | year populat | ion | 4.567 | (3) | 5,13645 |
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 15 1 | | 1.002 | 1.0.11 | Fema | les | D. dyn | 17.0% | 0.00 | 1,100 |
| All ages | 47,265 | 55,067 | 65,287 | 79,064 | 97,263 | 120,525 | 149,291 | 185,100 | 230,125 |
| 0—4 5—9 10—14 15—19 | 9,662 7,511 5,320 3,743 | 10,551 8,827 7,381 5,225 | 12,799 9,862 8,695 7,281 | 16,254 12,200 9,756 8,607 | 20,635 15,715 12,104 9,681 | 25,808 20,142 15,624 12,033 | 31,812 25,192 20,025 15,533 | 39,477 31,053 25,045 19,908 | 49,433 38,539 30,872 24,899 |
| 20—24 | 3,333 | 3,637 | 5,122 | 7,173 | 8,513 | 9,600 | 11,932 | 15,404 | 19,742 |
| 25—29 30—34 35—39 40—44 45—49 | 3,400 2,894 2,452 2,070 1,783 | 3,224 3,272 2,778 2,347 1,975 | 3,552 3,136 3,170 2,681 2,255 | 5,030 3,480 3,061 3,083 2,595 | 7,077 4,953 3,418 2,997 3,004 | 8,425 6,992 4,884 3,360 2,932 | 9,502 8,324 6,895 4,799 3,287 | 9,388 8,207 6,776 4,694 | 15,244 11,669 9,257 8,067 6,626 |
| 50—54 55—59 60—64 65—69 70—74 | 1,423 1,225 927 675 376 | 1,690 1,305 1,064 763 511 | 1,887 1,570 1,164 901 595 | 2,169 1,775 1,430 1,008 720 | 2,509 2,060 1,639 1,259 818 | 2,912 2,398 1,921 1,458 1,033 | 2,843 2,784 2,236 1,711 1,196 | 3,188 2,719 2,595 1,990 1,402 | 4,550 3,049 2,536 2,310 1,631 |
| 75—79 80—84 85 + | 295 112 64 | 259 180 79 | 358 155 103 | 417 214 90 | 511 246 123 | 583 291 129 | 735 332 153 | 851 419 173 | 998 484 219 |

Note: Figures are rounded independently.

69

.71

TABLE C-2

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1 2000

| A co | 675 | | 407 | Mid | l-year popula | ition | | | 5.18 |
|----------|--------|---------------------------------------|---------|--|------------------------|-----------|---------|---------|----------|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 40 | 175 | · · · · · · · · · · · · · · · · · · · | V.** | Bot | h sexes | | | | 8,06 |
| All ages | 97,720 | 113,948 | 134,939 | 159,698 | 188,328 | 219,903 | 258,704 | 305,141 | 359,413 |
| 0—4 | 19,578 | 21,536 | 26,170 | 29,952 | 33,834 | 37,043 | 45,095 | 53,804 | 62,869 |
| 59 | 15,300 | 17,992 | 20.213 | 25,005 | 28,995 | 33,044 | 36,177 | 44,044 | 52,550 |
| 10—14 | 10,855 | 15,051 | 17,734 | 20,000 | 24,809 | 28,824 | 32,846 | 35,963 | 43,779 |
| 15—19 | 7,670 | 10,696 | 14,877 | 17,570 | 19,849 | 24,652 | 28,641 | 32,638 | 35,734 |
| 20—24 | 6,867 | 7,497 | 10,525 | 14,680 | 17,378 | 19,664 | 24,419 | 28,372 | 32,332 |
| 25—29 | 7,057 | 6,691 | 7,353 | 10,357 | 14,487 | 17,181 | 19,438 | 24,143 | 28,049 |
| 30—34 | 6,055 | 6,848 | 6,541 | 7,220 | 10.203 | 14,300 | 16,961 | 19,191 | 23,83 |
| 35—39 | 5,177 | 5,865 | 6,670 | 6,402 | 7,095 | 10,050 | 14,086 | 16,705 | 18,903 |
| 40—44 | 4,400 | 4,990 | 5,681 | 6,497 | 6,262 | 6,959 | 9,857 | 13,817 | 16,388 |
| 45—49 | 3,800 | 4,208 | 4,796 | 5,491 | 6,309 | 6,102 | 6,782 | 9,602 | 13,460 |
| 50—54 | 3,024 | 3,590 | 4,003 | 4,586 | 5,272 | 6,072 | 5,875 | 6,531 | 9,244 |
| 55—59 | 2.611 | 2,784 | 3,331 | 3,742 | 4,314 | 4,980 | 5,736 | 5,553 | 6,175 |
| 60-64 | 2,001 | 2,296 | 2,487 | 3,012 | 3,411 | 3,956 | 4,567 | 5,261 | 5,096 |
| 65—69 | 1,475 | 1,665 | 1,945 | 2,135 | 2,612 | 2,975 | 3,453 | 3,985 | 4,590 |
| 70—74 | 829 | 1,127 | 1,293 | 1,535 | 1,699 | 2,092 | 2,384 | 2,764 | 3,191 |
| 75—79 | 651 | 571 | 782 | 892 | 1,063 | ido 1,176 | 1,448 | 1,649 | 1,915 |
| 80—84 | 210 | 385 | 332 | 446 | 500 | 583 | 646 | 797 | 906 |
| 85 + | 129 | 157 | 207 | 177 | 235 | 249 | 291 | 321 | 39 7 |
| | | | | The state of the s | The Party of the Party | | | | - (Contd |

TABLE C-2 (Contd.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| | | | | Mid | -year populat | ion | | 1 | |
|----------|----------------|-----------|--------|---------------|---------------|---------|---------|------------------|----------------|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 76 9 | 2,452 - 07U | | (8) | Ma | ales | | Tip | 1 | 9,257 8,067 |
| All ages | 50,455 | 58,881 | 69,652 | 82,261 | 96,764 | 112,714 | 132,359 | 155,915 | 183,478 |
| 04 | 9,916 | 10,985 | 13,371 | 15,322 | 17,326 | 18,982 | 23,108 | 27,570 | 32,215 |
| 5—9 | 7,789 | 9,165 | 10,351 | 12,805 | 14,851 | 16,930 | 18,547 | 22,580 18,435 | 26,941 |
| 10-14 | 5,535 | 7,670 | 9,039 | 10.244 | 12,705 | 14,762 | 16,827 | 18,435 | 22,442 |
| 15—19 | 3,927 | 5,471 | 7.595 | 8.983 | 10,168 | 12,619 | 14,661 | 16,712 | 18,310 |
| 20-24 | 3,534 | 3,860 | 5,403 | 7,507 | 8,866 | 10,064 | 12,488 | 14.509 | 16,538 |
| 25—29 | 3,657 | 3,467 | 3,801 | 5,327 | 7,409 | 8,756 | 9,938 | 12,333 | 14,329 |
| 30-34 | 3,161 | 3,576 | 3,405 | 3,740 | 5.250 | 7,308 | 8,637 | 9,803 | 12,166 |
| 35—39 | 2,725 | 3,087 | 3,500 | 3,341 | 3,677 | 5,166 | 7,191 | 8,498 | 9,464 |
| 40 44 | 2,330 | 2.643 | 3,000 | 3,414 | 3,266 | 3,599 | 5,058 | 7,041 | 8,321 |
| 45-49 | 2,017 | 2,233 | 2,541 | 2,896 | 3,305 | 3,170 | 3,495 | 4,908 | 6,833 |
| 50-54 | 1,601 | 1,900 | 2.116 | 2,417 | 2,763 | 3,160 | 3,032 | 3,343 | 4,694 |
| 55-59 | 1,386 | 1,479 | 1,761 | 1,967 | 2,254 | 2,582 | 2,953 | 2,834 | 3,126 |
| 60—64 | 1,074 | 1.232 | 1,323 | 1,582 | 1,772 | 2,035 | 2,331 | 2,665 | 2,560 |
| 65—69 | 800 | 902 | 1,044 | 1,127 | 1,353 | 1,517 | 1,742 | 1,995 | 2,280 |
| 70—74 | 453 | 616 | 698 | 815 | 881 | 1,059 | 1,188 | 1,363 | 1,560 |
| 75—79 | 456 | 312 | 424 | 475 | 552 | 593 | 713 | 798 | 917 |
| 80—84 | 128 | | 176 | 232 | 253 | 292 | 314 | 378 | 422 |
| 85 -⊦ | 128 65 | 205 78 | 104 | 87 | 112 | 120 | 138 | 148 | 178 |
| | | | | in the second | | | | | (Contd.) |

TABLE C-2 (Consid.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1 1960—JULY 1, 2000

| FERTI | LITY ASSU | JMPTION I | 645 | | | KO. | | (numbers a | re in 000's) |
|---|---|--|--|---|--|---|--|--|--|
| Age | 074 | 1,272 | 1,323 | Mid- | year population | n | 3 27 | 100 | 7.780 |
| 75 O | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 0 34 | | 10% | -e(4) | Fer | nales | eich | 1 000 | - | # 301 108 |
| All ages | 47,265 | 55,067 | 65,287 | 77,437 | 91,564 | 107,189 | 126,345 | 149,226 | 175,935 |
| 0—4 5—9 10—14 15—19 20—24 | 9,662 7,511 5,320 3,743 3,333 | 10,551 8,827 7,381 5,225 3,637 | 12,799 9,862 8,695 7,281 5,122 | 14,630 12,200 9,758 8,607 7,173 | 16,508 14,144 12,104 9,681 8,513 | 18,061 16,114 14,062 12,033 9,600 | 21,987 17,630 16,019 13,980 11,932 | 26,234 21,463 17,528 15,925 13,863 | 30,654 25,609 21,337 17,424 15,794 |
| 25—29 30—34 35—39 40—44 45—49 | 3,440 2,894 2,452 2,070 1,783 | 3,224 3,272 2,778 2,347 1,975 | 3,552 3,136 3,170 2,681 2,255 | 5,030 3,480 3,061 3,083 2,595 | 7,077 4,953 3,418 2,997 3,004 | 8,425 6,992 4,884 3,360 2,932 | 9,502 8,324 6,895 4,799 3,287 | 11,810 9,388 8,207 6,776 4,694 | 13,720 11,669 9,257 8,067 6,626 |
| 50—54 55—59 60—64 65—69 70—74 | 1,423 1.225 927 675 376 | 1,690 1,305 1,064 763 511 | 1,887 1,570 1,164 901 595 | 2,169 1,775 1,430 1,008 720 | 2,509 2,060 1,639 1,259 818 | 2,912 2,398 1,921 1,458 1,033 | 2,943 2,784 2,236 1,711 1,196 | 3,188 2,719 2,595 1,990 1,402 | 4,550 3,049 2,536 2,310 1,631 |
| 75—79 80—84 85 + | 295 112 64 | 259 180 79 | 358 155 103 | 417 214 90 | 511 246 123 | 583 291 129 | 735 332 153 | 851 419 173 | 998 484 219 |

TABLE C-3

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| | | 5.5 | | Mid- | ear population | | | | . 630 |
|----------|--------|---------|---------|---------|----------------|---------|---------|---------|---------|
| Age - | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 12 | | | 0, | Both | sexes | | | 1.1% | |
| All ages | 97,720 | 113.948 | 131,667 | 151,582 | 172,984 | 193,810 | 218,515 | 246,471 | 276,874 |
| 0-4 | 19,578 | 21,536 | 22,899 | 24,960 | 26,424 | 26,072 | 30,638 | 34,801 | 38,348 |
| 59 | 15,300 | 17,992 | 20,213 | 21,879 | 24,163 | 25,807 | 25,462 | 29,923 | 33,987 |
| 1014 | 10,855 | 15,051 | 17,734 | 20,00€ | 21,708 | 24,020 | 25,653 | 25,311 | 29,743 |
| 1519 | 7,670 | 10,696 | 14,877 | 17,570 | 19,849 | 21,570 | 23,867 | 25,491 | 25,150 |
| 20-24 | 6,867 | 7,497 | 10,525 | 14,680 | 17,378 | 19,664 | 21,368 | 23,642 | 25,25 |
| 25—29 | 7,057 | 6,691 | 7,353 | 10,357 | 14,487 | 17,181 | 19,438 | 21,126 | 23,373 |
| 3034 | 6.055 | 6,848 | 6.541 | 7,220 | 10,203 | 14,300 | 16,961 | 19,191 | 20,85 |
| 3539 | 5,177 | 5,865 | 6,670 | 6,402 | 7,095 | 10,050 | 14,086 | 16,705 | 18,903 |
| 40-44 | 4,400 | 4,990 | 5,681 | 6,497 | 6,262 | 6,959 | 9,857 | 13,817 | 16,388 |
| 45—49 | 3,800 | 4,208 | 4,796 | 5,491 | 6,309 | 6,102 | 6,782 | 9,602 | 13,460 |
| 5054 | 3,024 | 3,590 | 4,003 | 4,586 | 5,272 | 6,072 | 5,875 | 6,531 | 9,244 |
| 55—59 | 2,611 | 2,784 | 3,331 | 3,742 | 4,314 | 4,980 | 5,736 | 5,553 | 6,175 |
| 60-64 | 2,001 | 2,296 | 2,487 | 3,012 | 3,411 | 3,956 | 4,567 | 5,261 | 5,09 |
| 65—69 | 1,475 | 1,665 | 1,945 | 2,135 | 2,612 | 2,975 | 3,453 | 3,985 | 4,590 |
| 70—74 | 829 | 1,127 | 1,293 | 1,535 | 1,699 | 2,092 | 2,384 | 2,764 | 3,191 |
| 7579 | 651 | 571 | 782 | 892 | 1,063 | 1,176 | 1,448 | 1,649 | 1,915 |
| 80-84 | 240 | 385 | 332 | 446 | 500 | 583 | 646 | 797 | 906 |
| 85 + | 129 | 157 | 207 | 177 | 235 | 249 | 291 | 321 | 397 |

TABLE C-3 (Contd.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| Males Ma | 110 | | | | r population | Mid-yea | 100 | 10. | 1.671 | Age |
|--|------------------|---------|---------|--------|--------------|---------|--------|--------|--------|----------|
| Males Ma | 2000 | 1995 | 1990 | 1985 | 1980 | 1975 | 1970 | 1965 | 1960 | |
| All ages 50,455 58,881 67,981 78,107 88,906 99,346 111,770 125,858 0-4 9,916 10,985 11,699 12,769 13,531 13,360 15,700 17,833 10-14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,975 20-24 3,534 3,860 5,403 7,507 8,866 10,064 10,927 12,090 25-29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 30-34 3,161 3,576 3,405 3,740 5,250 7,308 8,637 9,803 35-39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45-49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 50-54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 4,908 50-54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 2,665 69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 312 424 1,127 1,353 1,517 1,742 1,995 75-79 356 312 424 1,127 1,353 1,517 1,742 1,995 75-79 356 312 424 1,127 1,353 1,517 1,742 1,995 75-79 356 312 424 1,249 425 | (10) | (9) | (8) | (7) | (6) | (5) | (4) | (3) | (2) | (1) |
| All ages 50,455 58,881 67,981 78,107 88,906 99,346 111,770 125,858 0-4 9,916 10,985 11,699 12,769 13,531 13,360 15,700 17,833 10-14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,975 15-19 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 25-29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 25-29 3,657 3,467 3,405 3,740 5,250 7,308 8,637 9,803 35-39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45-49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 55-59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65-69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 312 474 474 475 476 1,059 1,188 1,363 75-79 356 312 474 474 475 476 1,059 1,188 1,363 | (10) | | | | | £ 4. | | 7.55 | | |
| All ages 50,455 58,881 67,981 78,107 88,906 99,346 111,770 125,858 0-4 9,916 10,985 11,699 12,769 13,531 13,360 15,700 17,833 10-14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,975 15-19 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 120-24 3,534 3,860 5,403 7,507 8,866 10,064 10,927 12,090 25-29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 30-34 3,161 3,576 3,405 3,740 5,250 7,308 8,637 9,803 40-44 2,330 2,643 3,000 3,414 3,677 5,166 7,191 8,498 45-49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 155-59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65-69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 312 474 474 475 475 | | | | | | Males | | | | |
| 0—4 9,916 10,985 11,699 12,769 13,531 13,360 15,700 17,833 10—14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,975 15—19 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 120—24 3,534 3,860 5,403 7,507 8,866 10,064 10,927 12,090 25—29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 30—34 3,161 3,576 3,405 3,740 5,250 7,308 8,637 9,803 35—39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 155—59 1,386 1,479 2,116 2,417 2,763 3,160 3,032 3,343 1,50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 1,50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 1,55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 474 475 475 | | | | 00.246 | 88 006 | 78 107 | 67.981 | 58,881 | 50,455 | All ages |
| 5—9 7,789 9,165 10,351 11,204 12,377 13,222 13,054 15,341 10—14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,375 15—19 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 20—24 3,534 3,860 5,403 7,507 8,866 10,064 10,927 12,090 25—29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 25—29 3,657 3,087 3,500 3,740 5,250 7,308 8,637 9,803 35—39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 | 141,197 | 125,858 | 111,770 | 99,340 | 88,200 | 10,101 | | | 0.044 | 0 1 |
| 10—14 5,535 7,670 9,039 10,244 11,117 12,302 13,142 12,975 15—19 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 20—24 3,534 3,860 5,403 7,507 8,866 10,064 10,927 12,090 25—29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 30—34 3,161 3,576 3,405 3,740 5,250 7,308 8,637 9,803 35—39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 474 475 474 475 474 475 </td <td>19,600</td> <td>17 933</td> <td>15 700</td> <td>13.360</td> <td>13,531</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 19,600 | 17 933 | 15 700 | 13.360 | 13,531 | | | | | |
| 15—19 | | | | | 12,377 | | 10,351 | | | |
| 13—17 3,927 5,471 7,595 8,963 10,168 11,041 12,217 13,053 12,090 25—29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 35—39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 2,555—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 | 17,425 | | 13 142 | 12.302 | 11,117 | 10,244 | 9,039 | | | |
| 25—29 | 15,247 | | 12 217 | 11.041 | | 8,963 | 7,595 | | | |
| 25—29 3,657 3,467 3,801 5,327 7,409 8,756 9,938 10,792 30—34 3,161 3,576 3,405 3,740 5,250 7,308 8,637 9,803 35—39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 60—64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665 70—74 453 616 698 815 881 1,059 1,188 1,363 | 12,886 12,916 | | | | | 7,507 | 5,403 | 3,860 | 3,534 | 20-24 |
| 30—34 3,161 3,576 3,405 3,740 5,250 7,308 8,736 9,938 10,792 3,500 3,341 3,677 5,166 7,191 8,498 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 70—74 453 616 698 815 881 1,059 1,188 1,363 | 12,710 | ,,,,,, | | | T 400 | 5 207 | 3 801 | 3.467 | 3.657 | 25-29 |
| 35-39 2,725 3,087 3,500 3,341 3,677 5,166 7,191 8,498 40-44 2,330 2,643 3,000 3,341 3,266 3,599 5,058 7,041 45-49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 50-54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55-59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 60-64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665 65-69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 312 474 474 475 881 1,059 1,188 1,363 | 11,940 | 10,792 | | | | | | | 3 161 | 30-34 |
| 40—44 2,330 2,643 3,000 3,414 3,266 3,599 5,058 7,041 45—49 2,017 2,233 2,541 2,896 3,305 3,170 3,495 4,908 50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 60—64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 474 475 881 1,059 1,188 1,363 | 10,646 | | 8,637 | | 5,250 | | | | 2 725 | |
| 45-49 2,017 2,233 2,541 2,896 3,266 3,599 5,058 7,041 50-54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55-59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 60-64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665 65-69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75-79 356 312 474 474 475 881 1,059 1,188 1,363 | 9,646 | | 7,191 | | | | | | | |
| 50—54 1,601 1,900 2,116 2,417 2,763 3,160 3,032 3,343 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 65—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 70—74 453 616 698 815 881 1,059 1,188 1,363 | 8,321 | | 5,058 | | | | | | | 45-49 |
| 55—59 1,386 1,479 1,761 1,967 2,763 3,160 3,032 3,343 60—64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665 69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 475 475 | 6,833 | | | 3,170 | 3,305 | 2,896 | 2,541 | 2,233 | 2,017 | |
| 55—59 1,386 1,479 1,761 1,967 2,254 2,582 2,953 2,834 60—64 1,074 1,232 1,323 1,582 1,772 2,035 2,331 2,665—69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 70—74 453 616 698 815 881 1,059 1,188 1,363 | | | 2.000 | 2 1/0 | 2 762 | 2.417 | 2.116 | 1,900 | | |
| 60—64 1,074 1,232 1,323 1,582 1,772 2,335 2,331 2,665 69 800 902 1,044 1,127 1,353 1,517 1,742 1,995 75—79 356 312 474 475 1,365 | 4,694 | | 3,032 | | | | | 1.479 | 1,386 | |
| 65—69 800 902 1,044 1,127 1,353 2,503 2,331 2,665 70—74 453 616 698 815 881 1,517 1,742 1,995 1,188 1,363 | 3,126 | 2,834 | 2,953 | 2,582 | | | | 1.232 | 1.074 | |
| 70—74 453 616 698 815 881 1,059 1,188 1,363 75—79 356 317 474 475 | 2,560 | | 2,331 | 2,035 | | | | | 800 | 65-69 |
| 75—79 356 317 474 475 | 2,280 | 1,995 | | | | 015 | | | 453 | 7074 |
| 75—79 356 312 474 475 | 1,560 | 1,363 | 1,188 | 1,059 | 881 | 913 | 076 | 11010 | | |
| | | | 7.0 | 593 | 552 | 475 | 424 | 312 | 356 | |
| 80 - 84 128 205 176 222 253 173 798 | 917 | | | | | | | 205 | | |
| 85 + 65 78 104 87 112 120 138 148 | 422 178 | 378 | 314 | 120 | | 87 | | 78 | 65 | 35 +- |

TABLE C-3 (Concid.)

PROJECTED POPULATION OF ALL PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS

JULY 1, 1960—JULY 1, 2000

(Contd).

| FERTI | LITY ASSU | MPTION III | | | | | | (numbers are | in 000's) |
|---|---|--|--|---|--|---|--|--|--|
| | | 4/1 | | Mid-ye | ar population | | | | 47 |
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | 11-11- | | | Fema | les | 1 | | £ | |
| All ages | 47,265 | 55,067 | 63,686 | 73,475 | 84,078 | 94,464 | 106,745 | 120,613 | 135,676 |
| 0-4 5-9 10-14 15-19 20-24 | 9,662 7,511 5,320 3,743 3,333 | 10,551 8,827 7,381 5,225 3,637 | 11,200 9,862 8,695 7,281 5,122 | 12,191 10,675 9,756 8,607 7,173 | 12,893 11,786 10,591 9,681 8,513 | 12,712 12,585 11,718 10,529 9,600 | 14,939 12,408 12,512 11,650 10,441 | 16,968 14,582 12,336 12,438 11,552 | 18,648 16,562 14,496 12,264 12,334 |
| 25—29 30—34 35—39 40—44 45—49 | 3,400 2,894 2,452 2,070 1,783 | 3,224 3,272 2,778 2,347 1,975 | 3,552 3,136 3,170 2,681 2,255 | 5,030 3,480 3,061 3,083 2,595 | 7,077 4,953 3,418 2,997 3,004 | 8,425 6,992 4,884 3,360 2,932 | 9,502 8,324 6,895 4,799 3,287 | 10,334 9,388 8,207 6,776 4,694 | 11,433 10,210 9,257 8,067 6,626 |
| 50—54 55—59 60—64 65—69 70—74 | 1,423 1,225 927 675 376 | 1,690 1,305 1,064 763 511 | 1,887 1,570 1,164 901 595 | 2,169 1,775 1,430 1,008 720 | 2,509 2,060 1,639 1,259 818 | 2,912 2,398 1,921 1,458 1,033 | 2,843 2,784 2,236 1,711 1,196 | 3,188 2,719 2,595 1,990 1,402 | 4,550 3,049 2,536 2,310 1,631 |
| 75—79 80—84 85 ÷ | 295 112 64 | 259 180 79 | 358 155 103 | 417 214 90 | 511 246 123 | 583 291 129 | 735 322 153 | 851 419 173 | 998 484 219 |

TABLE C-4

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| Age | | | | Mid-y | ear population | 14,11 | | | |
|---|--|---|--|--|---|--|--|--|--|
| | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | | | 1 | Both | sexes | 1 2- | | | |
| All ages | 52,621 | 61,450 | 73,360 | 89,799 | 111,718 | 139,912 | 175,097 | 219,466 | 275,946 |
| 0—4 5—9 10—14 15—19 20—24 | 11,075 8,649 5,970 3,738 3,517 | 11,789 10,220 8,483 5,895 3,669 | 14,702 11,110 10,069 8,394 5,804 | 19,221 14,101 10,989 9,981 8,283 | 24,764 18,673 13,987 10,906 9,868 | 31,202 24,266 18,561 13,895 10,797 | 38,809 30,578 24,120 18,437 13,754 | 48,725 38,032 30,392 23,959 18,252 | 61,739 47,749 37,803 30,190 23,718 |
| 25—29 30—34 35—39 40—44 45—49 | 3,815 3,260 2,766 2,334 1,956 | 3,432 3,707 3,151 2,652 2,212 | 3,596 3,353 3,606 3,044 2,535 | 5,707 3,528 3,278 3,505 2,931 | 8,167 5,618 3,463 3,201 3,394 | 9,748 8,058 5,529 3,392 3,112 | 10,666 9,617 7,930 5,416 3,298 | 13,588 10,522 9,464 7,770 5,266 | 18,030 13,406 10,355 9,273 7,554 |
| 50—54 55—59 60—64 65—69 70—74 | 1,568 1,324 1,108 709 403 | 1,835 1,421 1,135 888 | 2,091 1,683 1,242 931 662 | 2,412 1,937 1,497 1,041 710 | 2,802 2,252 1,744 1,274 808 | 3,255 2,631 2,046 1,500 1,000 | 2,984 3,058 2,390 1,761 1,179 | 3,164 2,804 2,777 2,057 1,383 | 5,052 2,972 2,548 2,391 1,616 |
| 75—79 80—84 85 + | 293 87 48 | 254 152 40 | 334 134 70 | 438 177 64 | 477 234 86 | 547 258 115 | 678 296 127 | 798 367 145 | 937 432 181 |

TABLE C-4 (Contd.)

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FERTII | ITY ASSU | MPTIO® 1 | | | | | | (numbers are | in 000°s) |
|---|---|---|---|---|--|---|--|---|--|
| | | | | Mid-year | r population | | | 17. | |
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| AL PA | | | 7.1 | Males | | | | | |
| All ages | 27,016 | 31,585 | 37,680 | 46,048 | 57,179 | 71,482 | 89,360 | 111,934 | 140,698 |
| 0-4 5-9 10-14 15-19 20-24 | 5,573 4,357 3,010 1,893 1,797 | 5,991 5,153 4,276 2,986 1,875 | 7,491 5,654 5,079 4,242 2,956 | 9,815 7,191 5,593 5,041 4,197 | 12,664 9,540 7,133 5,552 4,985 | 15,974 12,414 9,482 7,082 5,489 | 19,868 15,659 12,338 9,413 7,001 | 24,945 19,476 15,562 12,248 9,305 | 31,607 24,452 19,357 15,449 12,108 |
| 25—29 30—34 35—39 40—44 45—49 | 1,972 1,704 1,461 1,241 1,043 | 1,774 1,938 1,664 1,411 1,179 | 1,851 1,745 1,897 1,614 1,349 | 2,916 1,822 1,712 1,847 1,552 | 4,140 2,873 1,790 1,671 1,783 | 4,917 4,081 2,825 1,750 1,618 | 5,414 4,847 4,012 2,762 1,695 | 6,906 5,336 4,765 3,924 2,675 | 9,179 6,807 5,240 4,660 3,800 |
| 50—54 55—59 60—64 65—69 70—74 | 835 706 594 381 217 | 977 758 608 477 277 | 1,111 894 661 496 353 | 1,277 1,022 788 547 373 | 1,474 1,181 908 659 416 | 1,698 1,368 1,055 765 505 | 1,541 1,576 1,222 889 587 | 1,614 1,430 1,407 1,030 681 | 2,549 1,499 1,27 1,186 789 |
| 75—79 80—84 85 + | 158 47 26 | 137 82 22 | 178 71 37 | 230 93 33 | 245 120 44 | 274 129 57 | 333 144 61 | 386 175 68 | 449 203 83 —(Contd. |

TABLE C-4 (Concld.)

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| Age | 1994 | 73 | | Mid-y | ear population | | | | |
|---|---|---|---|---|--|---|--|--|--|
| | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 1 | | | | Fen | nales | | 11111 | | 1 19 |
| All ages | 25,605 | 29,865 | 35,680 | 43,751 | 54,539 | 68,430 | 85,737 | 107,532 | 135,248 |
| 0-4 5-9 10-14 15-19 20-24 | 5,502 4,292 2,960 1,845 1,720 | 5,798 5,067 4,207 2,909 1,794 | 7,211 5,456 4,990 4,151 2,848 | 9,406 6,910 5,396 4,940 4,086 | 12,098 9,133 6,854 5,354 4,883 | 15,228 11,852 9,079 6,813 5,308 | 18,941 14,919 11,782 9,024 6,754 | 23,780 18,556 14,830 11,711 -8,947 | 30,132 23,297 18,446 14,741 11,610 |
| 25—29 30—34 35—39 40—44 45—49 | 1,843 1,556 1,305 1,093 913 | 1,658 1,769 1,487 1,241 1,033 | 1,745 1,608 1,709 1,430 1,186 | 2,791 1,706 1,566 1,658 1,379 | 4,027 2,745 1,673 1,530 1,611 | 4,831 3,977 2,704 1,642 1,494 | 5,252 4,770 3,918 2,654 1,603 | 6,682 5,186 4,699 3,846 | 8,851 6,599 5,109 4,613 |
| 50—54 55—59 60—64 55—69 70—74 | 733 618 514 328 186 | 858 663 527 411 238 | 980 789 581 435 309 | 1,135 915 709 494 337 | 1,328 1,071 836 615 392 | 1,557 1,263 991 735 | 1,444 1,482 1,168 872 | 2,591 1,550 1,374 1,370 1,027 | 3,754 2,504 1,474 1,271 1,205 |
| 75—79 80—84 85 ÷ | 135 40 22 | 70 18 | 156 62 33 | 208 84 31 | 232 114 1 42 | 495 273 129 58 | 592 345 152 66 | 702 412 192 77 | 827 488 229 98 |

Note: Figures are rounded independently.

TABLE C-5

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

g tok, the street and

| | 7.1 | | | Mi | d-year population | 1 | | | |
|---|--|---|--|--|---|--|--|--|--|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 17 | 200 | | | В | oth sexes | | , , , | 114 | 4 3/11 |
| All ages | 52,621 | 61,450 | 73,360 | 87,877 | 104,899 | 123,833 | 147,160 | 175,192 | 208,121 |
| 0-4 5-9 10-14 15-19 20-24 | 11,075 8,649 5,970 3,738 3,517 | 11,789 10,220 8,483 5,895 3,669 | 14,702 11,110 10,069 8,394 5,804 | 17,299 14,101 10,989 9,981 8,283 | 19,809 16,806 13,987 10,906 9,868 | 21,832 19,413 16,705 13,895 10,797 | 26,723 21,395 19,295 16,593 13,754 | 32,039 26,188 21,266 19,167 16,427 | 37,651 31,398 26,029 21,124 18,974 |
| 25—29 30—34 35—39 40—44 45—49 | 3,815 3,260 2,766 2,334 1,956 | 3,432 3,707 3,151 2,652 2,212 | 3,596 3,353 3,606 3,044 2,535 | 5,707 3,528 3,278 3,505 2,931 | 8,167 5,618 3,463 3,201 3,394 | 9,748 8,058 5,529 3,392 3,112 | 10,666 9,617 7,930 5,416 3,298 | 13,588 10,522 9,464 7,770 5,266 | 16,227 13,406 10,355 9,273 7,554 |
| 50—54 55—59 60—64 65—69 70—74 | 1,568 1,324 1,108 709 403 | 1,835 1,421 1,135 888 515 | 2,091 1,683 1,242 931 662 | 2,412 1,937 1,497 1,041 710 | 2,802 2,252 1,744 1,274 808 | 3,255 2,631 2,046 1,500 1,000 | 2,984 3,058 2,390 1,761 1,179 | 3,164 2,804 2,777 2,057 1,383 | 5,052 2,972 2,548 2,391 1,616 |
| 75—79 80—84 85 + | 293 87 48 | 254 152 40 | 334 134 70 | 438 177 64 | 234 | 547 258 115 | 678 296 127 | 798 367 145 | 937 432 181 — (Contd.) |

TABLE C-5 (Contd.)

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FERTI | LITY ASSU | MPTION II | 117 | | | | | (numbers are | in 000's) |
|---|---|---|---|---|--|--|---|--|---|
| Age | 1.357 | 11. | 1,683 | Mi | d-year population | 1 | 2.00 | 201 | 14.5 |
| 1,20 | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 20 23 | | | 1 12 | 137 | Males | | | | |
| All ages | 27,016 | 31,585 | 37,680 | 45,067 | 53,692 | 63,254 | 75,061 | 89,273 | 105,985 |
| 0—4 5—9 10—14 15—19 20—24 | 5,673 4,357 3,010 1,893 1,797 | 5,991 5,153 4,276 2,986 1,875 | 7,491 5,654 5,079 4,242 2,956 | 8,833 7,191 5,593 5,041 4,197 | 10,131 8,586 7,133 5,552 4,985 | 11,177 9,931 8,534 7,082 5,489 | 13,681 10,956 9,870 8,471 7,001 | 16,402 13,411 10,889 9,798 8,375 | 19,275 16,079 13,328 10,810 9,686 |
| 25—29 30—34 35—39 40—44 45—49 | 1,972 1,704 1,461 1,241 1,043 | 1,774 1,938 1,664 1,411 1,179 | 1,851 1,745 1,897 1,614 1,349 | 2,916 1,822 1,712 1,847 1,552 | 4,140 2,873 1,790 1,671 1,783 | 4,917 4,081 2,825 1,750 1,618 | 5,414 4,847 4,012 2,762 1,695 | 6,906 5,336 4,765 3,924 2,675 | 8,261 6,807 5,246 4,660 3,800 |
| 50—54 55—59 60—64 65—69 70—74 | 835 706 594 381 217 | 977 758 608 477 277 | 1,111 894 661 496 353 | 1,277 1,022 788 547 373 | 1,474 1,181 908 659 | 1,698 1,368 1,055 765 505 | 1,541 1,576 1,222 889 587 | 1,614 1,430 1,407 1,030 681 | 2,548 1,498 1,277 1,186 789 |
| 75—79 80—84 85 ÷ | 158 47 26 | 137 82 22 | 178 71 37 | 230 93 33 | 245 120 44 | 275 129 57 | 333 144 61 | 386 175 68 | 449 203 83 (Contd.) |

TABLE C-5 (Concld.)

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FER? | TILITY A | SSUMPTION I | i j | :1 | 104 | | 1. | (numbers a | re in 000's) |
|---|---|---|---|---|---|--|---|--|---|
| Age | 1,199 | - 114 | 171- | Mid | year population | on on | 1.2 | | |
| , tgc | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| -17 10 | 0(* | 1,1 | | Fe | males | | 1 | | - |
| All ages | 25,605 | 29,865 | 35,680 | 42,810 | 51,207 | 60,579 | 72,099 | 85,919 | 102,136 |
| 0—4 5—9 10—14 15—19 20—24 | 5,502 4,292 2,960 1,845 1,720 | 5,798 5,067 4,207 2,909 1,794 | 7,211 5,456 4,990 4,151 2,848 | 8,466 6,910 5,396 4,940 4,086 | 9,678 8,220 6,854 5,354 4,883 | 10,655 9,482 8,171 6,813 5,308 | 13,042 10,439 9,425 8,122 6,754 | 15,637 12,777 10,377 9,368 8,052 | 18,376 15,319 12,701 10,314 9,288 |
| 25—29 30—34 35—39 40—44 45—49 | 1,843 1,556 1,305 1,093 913 | 1,658 1,769 1,487 1,241 1,033 | 1,745 1,606 1,709 1,430 1,186 | 2,791 1,706 1,566 1,658 1,379 | 4,027 2,745 1,673 1,530 1,611 | 4,831 3,977 2,704 1,642 1,494 | 5,252 4,770 3,918 2,654 1,603 | 6,682 5,186 4,699 3,846 2,591 | 7,966 6,599 5,109 4,613 3,754 |
| 50—54 55—59 60—64 65—69 70—74 | 733 618 514 328 186 | 858 663 527 411 238 | 980 789 581 435 309 | 1,135 915 709 494 337 | 1,328 1,071 836 615 392 | 1,557 1,263 991 735 495 | 1,444 1,482 1,168 872 592 | 1,550 1,374 1,370 1,027 702 | 2,504 1,474 1,271 1,205 827 |
| 75—79 80—84 85+ | 135 40 22 | 117 70 18 | 156 62 33 | 208 84 31 | 232 114 42 | 273 129 58 | 345 152 66 | 412 192 77 | 488 229 98 |

TABLE C-6

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| Ann | 1 | | | Mid-ye | ar population | | | | |
|---|--|---|--|--|---|--|--|--|--|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) . | (6) | (7) | (8) | (9) | (10) |
| | 7 | | | Both | sexes | | | | |
| All ages | 52,621 | 61,450 | 71,522 | 83,231 | 96,007 | 108,526 | 123,317 | 140,088 | 158,377 |
| 0-4 5-9 10-14 15-19 20-24 | 11,075 8,649 5,970 3,738 3,517 | 11,789 10,220 8,483 5,895 3,669 | 12,865 11,110 10,069 8,394 5,804 | 14,416 12,338 10,989 9,981 8,283 | 15,467 14,005 12,239 10,906 9,868 | 15,302 15,158 13,920 12,157 10,797 | 17,993 14,995 15,066 13,827 12,036 | 20,488 17,633 14,905 14,966 13,689 | 22,588 20,078 17,526 14,805 14,816 |
| 25—29 30—34 35—39 40—44 45—49 | 3,815 3,260 2,766 2,334 1,956 | 3,432 3,707 3,151 2,652 2,212 | 3,596 3,353 3,606 3,044 2,535 | 5,707 3,528 3,278 3,505 2,931 | 8,167 5,618 3,463 3,201 3,394 | 9,748 8,058 5,529 3,392 3,112 | 10,666 9,617 7,930 5,416 3,298 | 11,890 10,522 9,464 7,770 5,266 | 13,522 11,730 10,355 9,273 7,554 |
| 50—54 55—59 60—64 65—69 70—74 | 1,568 1,324 1,108 709 403 | 1,835 1,421 1,135 888 515 | 2,091 1,683 1,242 931 662 | 2,412 1,937 1,497 1,041 710 | 2,802 2,252 1,744 1,274 808 | 3,255 2,631 2,046 1,500 1,000 | 2,984 3,058 2,390 1,761 1,179 | 3,164 2,804 2,777 2,057 1,383 | 5,052 2,972 2,548 2,391 1,616 |
| 75—79 80—84 85- | 293 87 48 | 254 152 40 | 334 134 70 | 438 177 64 | 477 234 86 | 547 258 115 | 678 296 127 | 798 367 145 | 937 432 181 —(Contd. |

TABLE C-6 (Contd.)

PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| | | | 1 | Mid-y | ear populatio | n | 1 | | E-Air |
|---|---|---|---|---|---|---|---|--|---|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | , | | | 12.1 | Males | | | | 1111 |
| All ages | 27,016 | 31,585 | 36,744 | 42,696 | 49,149 | 55,426 | 62,865 | 71,315 | 80,539 |
| 0-4 5-9 10-14 15-19 20-24 | 5,573 4,357 3,010 1,893 1,797 | 5,991 5,153 4,276 2,986 1,875 | 6,555 5,654 5,079 4,242 2,956 | 7,361 6,292 5,593 5,041 4,197 | 7,910 7,155 6,242 5,552 4,985 | 7,834 7,754 7,111 6,196 5,489 | 9,212 7,679 7,707 7,059 6,126 | 10,489 9,030 7,632 7,651 6,979 | 11,564 10,282 8,974 7,576 7,563 |
| 25—29 30—34 35—39 40—44 45—49 | 1,972 1,704 1,461 1,241 1,043 | 1,774 1,938 1,664 1,411 1,179 | 1,851 1,745 1,897 1,614 1,349 | 2,915 1,822 1,712 1,847 1,552 | 4,140 2,873 1,790 1,671 1,783 | 4,917 4,081 2,825 1,750 1,618 | 5,414 4,847 4,012 2,762 1,695 | 6,043 5,336 4,765 3,924 2,675 | 6,884 5,956 5,246 4,660 3,800 |
| 50—54 55—59 60—64 65—69 70—74 | 835 706 594 381 217 | 977 758 608 477 277 | 1,111 894 661 496 353 | 1,277 1,022 788 547 373 | 1,474 1,181 908 659 416 | 1,698 1,368 1,055 765 505 | 1,541 1,576 1,222 889 587 | 1,614 1,430 1,407 1,030 681 | 2,548 1,498 1,277 1,186 789 |
| 75—79 80—84 85— | 158 47 26 | 137 82 22 | 178 71 37 | 230 93 33 | 245 120 44 | 274 129 57 | 333 144 61 | 386 175 68 | 449 203 83 |

. 85

TABLE C-f (Concld.)



PROJECTED POPULATION OF EAST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| PERII | LIII ASSU | JMPTION III | | | | | | | (numbers ar | e in ooos, |
|----------|-----------|-------------|--------|--------|--------------|--------|--------|--------|-------------|------------|
| Age | ± 15/- | | 246 | Mic | i-year popul | lation | | 755 | | 1,010 |
| 'Ige | 1960 | 1965 | 1970 | 1975 | 1980 | | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | | (7) | (8) | (9) | (10) |
| | 190 | P. De | · v | F | emales | | | . 1 | 420 | |
| All ages | 25,605 | 29,865 | 34,778 | 40,535 | 46,858 | | 53,100 | 60,452 | 68,773 | 77,838 |
| 04 | 5,502 | 5,798 | 6,310 | 7,055 | 7,557 | | 7,468 | 8,782 | 9,999 | 11,024 |
| 5—9 | 4,292 | 5,067 | 5,456 | 6,046 | 6,850 | | 7,404 | 7,316 | 8,603 | 9,796 |
| 10—14 | 2,960 | 4,207 | 4,990 | 5,396 | 5,997 | | 6,809 | 7,360 | 7,273 | 8,552 |
| 15—19 | 1,845 | 2,909 | 4,151 | 4,940 | 5,354 | | 5,961 | 6,768 | 7,315 | 7,229 |
| 20—24 | 1,720 | 1,794 | 2,848 | 4,086 | 4,883 | | 5,308 | 5,910 | 6,710 | 7,252 |
| 25—29 | 1,843 | 1,658 | 1,745 | 2,791 | 4,027 | | 4,831 | 5,252 | 5,847 | 6,638 |
| 30-34 | 1,556 | 1,769 | 1,608 | 1,706 | 2,745 | | 3,977 | 4,770 | 5,186 | 5,774 |
| 35-39 | 1,305 | 1,487 | 1,709 | 1,566 | 1,673 | | 2,704 | 3,918 | 4,699 | 5,109 |
| 40-44 | 1,093 | 1,241 | 1,430 | 1,658 | 1,530 | | 1,642 | 2,654 | 3,846 | 4,613 |
| 45—49 | 913 | 1,033 | 1,186 | 1,379 | 1,611 | | 1,494 | 1,603 | 2,591 | 3,754 |
| 5054 | 733 | 858 | 980 | 1.135 | 1,328 | | 1,557 | 1,444 | 1,550 | 2,504 |
| 55-59 | 618 | 663 | 789 | 915 | 1,071 | | 1,263 | 1,482 | 1,374 | 1,474 |
| 60-64 | 514 | 527 | 581 | 709 | 836 | | 991 | 1,168 | 1,370 | 1,271 |
| 65-69 | 328 | 411 | 435 | 494 | 615 | (jau | 735 | 872 | 1,027 | 1,205 |
| 70—74 | 186 | 238 | 309 | 337 | 392 | | 495 | 592 | 702 | 827 |
| 75—79 | 135 | 117 | 156 | 208 | 232 | | 273 | 345 | 412 | 488 |
| 80-84 | 40 | 70 | 62 | 84 | 114 | 700% | 129 | 152 | 192 | 229 |
| 85 | 22 | 18 | 33 | 31 | 42 | 150 | 58 | 66 | 77 | 98 |

TABLE C-7

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| Age | | 15 | | Mi | d-year popu | lation | | 250 | 1 |
|-------------------|-----------|--------|--------|--------|-------------|------------|----------------|----------------|----------------------------|
| 7.50 | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| . (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | | 14, | 181 | Вс | th sexes | | | | |
| All ages | 45,099 | 52,498 | 61,579 | 73,228 | 88,291 | 107,342 | 130,670 | 159,252 | 194,60 |
| 0-4 | 8,503 | 9,747 | 11,468 | 14,059 | 17,531 | 21,730 | 26,434 | 32,239 | 39,642 |
| 5—9 | 6,651 | 7,772 | 9,103 | 10,904 | 13,544 | 17,039 | 21,118 | 25,690 | 31,33 |
| 10—14 | 4,885 | 6,568 | 7,665 | 9,011 | 10,822 | 13,466 | 16,939 | 20,995 | 25,54 |
| 15—19 | 3,932 | 4,801 | 6,483 | 7,589 | 8,943 | 10,757 | 13,387 | 16,840 | 20,87 |
| 20—24 | 3,350 | 3,828 | 4,721 | 6,397 | 7,511 | 8,867 | 10,665 | 13,272 | 16,69 |
| 25-29 | 3.242 | 3,258 | 3,757 | 4,650 | 6,318 | 7,433 | 8,774 | 10,555 | 13,134 |
| 30—34 | 2,795 | 3,141 | 3,188 | 3,692 | 4,585 | 6,242 | 7,344 | 8,669 | |
| 35—39 | 2,411 | 2,714 | 3,064 | 3,125 | 3,632 | 4,521 | 6,156 | 7,241 | 10,429 |
| 40-44 | 2,066 | 2,338 | 2,637 | 2,992 | 3,062 | 3,567 | 4,441 | 6,047 | 8,548 |
| 45—49 | 1,844 | 1,996 | 2,261 | 2,560 | 2,915 | 2,990 | 3,484 | 4,336 | 7,115 5,90 6 |
| 50—54 | 1,456 | 1,755 | 1,912 | 2,174 | 2,470 | 2,817 | 2,891 | 2 267 | |
| 55—59 | 1,287 | 1,363 | 1,648 | 1,805 | 2,063 | 2,349 | 2,679 | 3,367 2,749 | 4,191 |
| 60—64 | 893 | 1,161 | 1,245 | 1,515 | 1,666 | 1,910 | 2,079 | 2,749 | 3,203 |
| 65—69 | 766 | 777 | 1,014 | 1,094 | 1,338 | 1,475 | 1,602 | 2,483 | 2,548 |
| 70—74 | 426 | 612 | 631 | 825 | 892 | 1,092 | 1,692 1,205 | 1,929 1,382 | 2,199 1,575 |
| 75—79 | 358 | 317 | 448 | 454 | 586 | 629 | | | 100 |
| 8084 | | 233 | 198 | 269 | 265 | | 770 | 851 | 977 |
| 85 -j- | 153 81 | 117 | 137 | 113 | 149 | 325 134 | 350 164 | 430 176 | 474 216 |

TABLE C-7 (Contd.)

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| Age | 2.5 :- | 101 | 51. | Mic | l-year popula | ation | | 17.50 | 7 February 1 |
|----------|--------|--------|--------|--------|---------------|-----------------|----------------|----------------|----------------------|
| 30 43 | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | -41 | 12.12 | 1,17 | 3.151 | Males | 13/ | 10 | | 5-11: |
| All ages | 23,439 | 27,296 | 31,972 | 37,915 | 45,567 | 55,246 | 67,116 | 81,684 | 99,723 |
| 0—4 | 4,343 | 4,994 | 5,880 | 7,211 | 8,994 | 11 150 | 12.562 | 16 540 | 20.24 |
| 5—9 | 3,432 | 4,012 | 4,697 | 5,614 | 6,962 | 11,150 8,749 | 13,563 | 16,542 | 20,341 |
| 10—14 | 2,525 | 3,394 | 3,960 | 4,651 | 5,572 | | 10,845 | 13,193 | 16,09 |
| 15—19 | 2,034 | 2,485 | 3,353 | 3,922 | 4,616 | 6,921 | 8,696 | 10,780 | 13,114 |
| 20-24 | 1,737 | 1,985 | 2,447 | 3,310 | 3,881 | 5,537 4,575 | 6,878 5,487 | 8,643 6,815 | 10,714 8,565 |
| 25—29 | 1,685 | 1,693 | 1,950 | 2,410 | | | | | - Control |
| 30—34 | 1,457 | 1,638 | 1,660 | | 3,268 | 3,839 | 4,524 | 5,427 | 6,74 |
| 3539 | 1,264 | 1,423 | 1,603 | 1,918 | 2,377 | 3,227 | 3,790 | 4,467 | 5,35 |
| 40—44 | 1,089 | 1,232 | 1,003 | 1,629 | 1,887 | 2,341 | 3,179 | 3,733 | 4,40 |
| 45-49 | 974 | 1,054 | 1,386 | 1,567 | 1,595 | 1,849 | 2,296 | 3,117 | 3,66 |
| 12 17 | 214 | 1,034 | 1,192 | 1,344 | 1,344 | 1,522 | 1,800 | 2,233 | 3,03 |
| 50—54 | 766 | 923 | 1,005 | 1,140 | 1,289 | 1,462 | 1,491 | 1,729 | 2.144 |
| 55—59 | 680 | 721 | 867 | 945 | 1,073 | 1,214 | 1,377 | 1,404 | 2,14: 1,62 |
| 60—64 | 480 | 624 | 662 | 794 | 864 | 980 | 1,109 | 1,404 | |
| 65—69 | 419 | 425 | 548 | 580 | 694 | 752 | 853 | 1,258 | 1,28 |
| 70—74 | 236 | 339 | 345 | 442 | 465 | 554 | 601 | 965 682 | 1,09- 77 |
| 7579 | 198 | 175 | 246 | 245 | 207 | 210 | 200 | | |
| 80—84 | 81 | 123 | 105 | 139 | 307 | 319 | 380 | 412 | 46 |
| 85+ | 39 | 56 | 67 | 54 | 133 68 | 163 63 | 170 77 | 203 80 | 21 ¹ 9 |

TABLE C-7 (Concld.)

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| Age | | | | Mi | d-year popula | tion | 2.17 | | 1.0 |
|---|---|---|---|---|---|--|---|--|---|
| 7.80 | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | | 3.33 | | Fe | males | | - | - | - |
| All ages | 21,660 | 25,202 | 29,607 | 35,313 | 42,724 | 52,096 | 63,554 | 77,568 | 94,877 |
| 0—4 5—9 10—14 15—19 20—24 | 4,160 3,219 2,360 1,898 1,613 | 4,753 3,760 3,174 2,316 1,843 | 5,588 4,406 3,705 3,130 2,274 | 6,848 5,290 4,360 3,667 3,087 | 8,537 6,582 5,250 4,327 3,649 | 10,580 8,290 6,545 5,220 4,292 | 12,871 10,273 8,243 6,509 5,178 | 15,697 12,497 10,215 8,197 6,457 | 19,301 15,242 12,426 10,158 8,132 |
| 25—29 30—34 35—39 40—44 45—49 | 1,557 1,338 1.147 977 870 | 1,565 1,503 1,291 1,106 942 | 1,807 1,528 1,461 1,251 1,069 | 2,240 1,774 1,496 1,425 1,216 | 3,050 2,208 1,745 1,467 1,393 | 3,594 3,015 2,180 1,718 1,438 | 4,250 3,554 2,977 2,145 1,684 | 5,128 4,202 3,508 2,930 2,103 | 6,398 5,070 4,148 3,454 2,873 |
| 50—54 55—59 60—64 65—69 70—74 | 690 607 413 347 190 | 832 642 537 352 273 | 907 781 583 466 286 | 1,034 860 721 514 383 | 1,181 990 802 644 426 | 1,355 1,135 930 723 538 | 1,400 1,302 1,068 839 604 | 1,638 1,345 1,225 964 700 | 2,046 1,575 1,265 1,105 804 |
| 75—79 80—84 85+ | 160 72 42 | 142 110 61 | 202 93 70 | 209 130 59 | 279 132 81 | 310 162 71 | 390 180 87 | 439 227 96 | 509 255 121 |

TABLE C-8
PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| Age | | | 479 | M | id-year popul | ation - | | 1.7 | 01 |
|----------|--------|--------|---------------|--------|---------------|---------|---------|---------|---------|
| | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | | | | В | oth sexes | | | | - (10) |
| All ages | 45 000 | 50 100 | | | | | | | |
| All ages | 45,099 | 52,498 | 61,579 | 71,821 | 83,429 | 96,070 | 111,544 | 129,949 | 151,292 |
| 0-4 | 8,503 | 9,747 | 11,468 | 12,653 | 14,025 | 15 211 | 10.252 | ** *** | |
| 5—9 | 6,651 | 7,772 | 9,103 | 10,904 | 12,189 | 15,211 | 18,372 | 21,765 | 25,218 |
| 10—14 | 4,885 | 6,568 | 7,665 | 9,011 | 10,822 | 13,631 | 14,782 | 17,856 | 21,153 |
| 15—19 | 3,932 | 4,801 | 6,483 | 7,589 | 0.042 | 12,119 | 13,551 | 14,697 | 17,750 |
| 2024 | 3,350 | 3,828 | 4,721 | 6,397 | 8,943 | 10,757 | 12,048 | 13,471 | 14,610 |
| | -, | 5,020 | 7,721 | 0,397 | 7,511 | 8,867 | 10,665 | 11,945 | 13,358 |
| 25—29 | 3,242 | 3,258 | 3,757 | 4,650 | 6,318 | 7,433 | 0.774 | | |
| 30—34 | 2,795 | 3,141 | 3,188 | 3,692 | 4,585 | 7,433 | 8,774 | 10,555 | 11,822 |
| 35—39 | 2,411 | 2,714 | 3,064 | 3,124 | 2,500 | 6,242 | 7,344 | 8,669 | 10,429 |
| 40—44 | 2,066 | 2,338 | 2,637 | 2,992 | 3,632 | 4,521 | 6,156 | 7,241 | 8,548 |
| 4549 | 1,844 | 1,996 | 2,261 | | 3,062 | 3,567 | 4,441 | 6,047 | 7,115 |
| | -,0 | 1,000 | 2,201 | 2,560 | 2,915 | 2,990 | 3,484 | 4,336 | 5,906 |
| 50—54 | 1,456 | 1,755 | 1,912 | 2,174 | 2,470 | 2017 | | | |
| 55—59 | 1,287 | 1,363 | 1,648 | 1,805 | | 2,817 | 2,891 | 3,367 | 4,191 |
| 60—64 | 893 | 1,161 | 1,245 | | 2,063 | 2,349 | 2,679 | 2,749 | 3,203 |
| 65—69 | 766 | 7777 | 1,014 | 1,515 | 1,666 | 1,910 | 2,177 | 2,483 | 2,548 |
| 70—74 | 426 | 612 | 631 | 1,094 | 1,338 | 1,475 | 1,692 | 1,929 | 2,199 |
| TANISI I | ,,,,,, | 012 | 031 | 825 | 892 | 1,092 | 1,205 | 1,382 | 1,575 |
| 75—79 | 358 | 317 | 448 | 454 | 586 | (20 | | | |
| 80—84 | 153 | 233 | 198 | 269 | | 629 | 770 | 851 | 977 |
| 85+ | 81 | 117 | 137 | 113 | 265 | 325 | 350 | 430 | 474 |
| | | | 137 | 113 | 149 | 134 | 164 | 176 | 216 |

TABLE C-8 (Contd.) PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1,2000

| 0—4 4,343 4,994 5,880 6,489 7,195 7,805 9,427 11,168 5—9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10—14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1 | | 830 000 | E10 |
|---|-------------|---------------|--------------|
| Males All ages 23,439 27,296 31,972 37,194 43,072 49,460 57,298 66,642 0-4 4,343 4,994 5,880 6,489 7,195 7,805 9,427 11,168 5-9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10-14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15-19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20-24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25-29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30-34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35-39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40-44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45-49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50-54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55-59 680 721 867 945 1,073 1,214 1,377 1,404 60-64 480 624 662 794 864 980 1,109 1,258 65-69 419 425 548 580 694 752 853 965 70-74 236 339 345 442 465 554 601 682 75-79 198 175 246 245 307 319 380 412 80-84 81 123 105 139 133 163 170 203 | 1965 19 | 1990 1995 | 2000 |
| All ages 23,439 27,296 31,972 37,194 43,072 49,460 57,298 66,642 0-4 4,343 4,994 5,880 6,489 7,195 7,805 9,427 11,168 5-9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10-14 2,525 3,394 3,960 4.651 5,572 6,228 6,957 7,546 15-19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20-24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25-29 1.685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30-34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35-39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40-44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45-49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50-54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55-59 680 721 867 945 1,073 1,214 1,377 1,404 60-64 480 624 662 794 864 980 1,109 1,258 65-69 419 425 548 580 694 752 853 965 70-74 236 339 345 442 465 554 601 682 | (3) (4 | (8) (9) | (10) |
| 0—4 4,343 4,994 5,880 6,489 7,195 7,805 9,427 11,168 5—9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10—14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 | 110 | | 11/ |
| 5—9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10—14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,40 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 | 27,296 31,9 | 57,298 66,642 | 77,493 |
| 5—9 3,432 4,012 4,697 5,614 6,256 6,999 7,591 9,169 10—14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,562 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 | 3 4.994 5.8 | 9,427 11,168 | 12,940 |
| 10—14 2,525 3,394 3,960 4,651 5,572 6,228 6,957 7,546 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 <td></td> <td>7,591 9,169</td> <td>10,852</td> | | 7,591 9,169 | 10,852 |
| 15—19 2,034 2,485 3,353 3,922 4,616 5,537 6,190 6,914 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1 | | 6,957 7,546 | 9,114 |
| 20—24 1,737 1,985 2,447 3,310 3,881 4,575 5,487 6,134 25—29 1,685 1,693 1,950 2,410 3,268 3,839 4,524 5,427 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 </td <td>1 2,485 3.3</td> <td></td> <td>7,500</td> | 1 2,485 3.3 | | 7,500 |
| 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 | 7 1,985 2,4 | | 6,852 |
| 30—34 1,457 1,638 1,660 1,918 2,377 3,227 3,790 4,467 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 | 5 1.693 1.9 | 4,524 5,427 | 6,088 |
| 35—39 1,264 1,423 1,603 1,629 1,887 2,341 3,179 3,733 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | 7 1.638 1.6 | 3,790 4,467 | 5,359 |
| 40—44 1,089 1,232 1,386 1,567 1,595 1,849 2,296 3,117 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | 4 1.423 1.6 | 3,179 3,733 | 4,400 |
| 45—49 974 1,054 1,192 1,344 1,522 1,552 1,800 2,233 50—54 766 923 1,005 1,140 1,289 1,462 1,491 1,729 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | | 2.296 3.117 | 3,66 |
| 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | | 1,800 2,233 | 3,03 |
| 55—59 680 721 867 945 1,073 1,214 1,377 1,404 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | 6 923 1.0 | 1,491 1,729 | 2,14 |
| 60—64 480 624 662 794 864 980 1,109 1,258 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | | 1,377 1,404 | 1,628 |
| 65—69 419 425 548 580 694 752 853 965 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | | 1,109 1,258 | 1,28 |
| 70—74 236 339 345 442 465 554 601 682 75—79 198 175 246 245 307 319 380 412 80—84 81 123 105 139 133 163 170 203 | | 853 965 | 1,09 |
| 80—84 81 123 105 139 133 163 170 203 | | 601 682 | 77 |
| | 8 175 | | 46 |
| | | | 21: |
| 85+ 39 56 67 54 68 63 77 80 | 9 56 | 77 80 | 9: Contd- |

TABLE C-8 (Coneld.)

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| | JULY 1, 1960—JULY 1, 2000 | once; s |
|-------------------------|---------------------------|---------|
| FERTILITY ASSUMPTION II | | |
| | | (number |

| Age | Mid-year population | | | | | | | | | | |
|----------|---------------------|--------|--------|---------|--------|--------|--------|--------|--------|--|--|
| | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | | |
| | | | | Fer | nales | | | | (10) | | |
| All ages | 21,660 | 25,202 | 29,607 | 34,627 | 40,357 | 46,610 | 54,246 | 63,307 | 72 700 | | |
| 0-4 | 4,160 | 4.753 | 5,588 | 6,164 | 6,830 | | | | 73,799 | | |
| 59 | 3,219 | 3,760 | 4,406 | 5,290 | 5,924 | 7,406 | 8,945 | 10,597 | 12,278 | | |
| 1014 | 2,360 | 3,174 | 3,705 | 4,360 | | 6,632 | 7,191 | 8,687 | 10,290 | | |
| 15-19 | 1,898 | 2,316 | 3,130 | | 5,250 | 5,891 | 6,594 | 7,151 | 8,636 | | |
| 2024 | 16,13 | 1,843 | 2,274 | 3,667 | 4,327 | 5,220 | 5,958 | 6,557 | 7,110 | | |
| | ,0,,0 | 1,045 | 2,214 | 3,087 | 3,629 | 4,292 | 5,178 | 5,811 | 6,506 | | |
| 2529 | 1,557 | 1,565 | 1 000 | 2 2 4 4 | | | | -, | 0,500 | | |
| 3034 | 1,338 | 1,503 | 1,807 | 2,240 | 3,050 | 3,594 | 4,250 | 5,128 | 5,754 | | |
| 35-39 | 1,147 | | 1,528 | 1,774 | 2,208 | 3,015 | 3,554 | 4,202 | 5,070 | | |
| 4044 | | 12,91 | 1,461 | 1,496 | 1,745 | 2,180 | 2,977 | 3,508 | 4.140 | | |
| 45-49 | 977 | 1,106 | 1,251 | 1,425 | 1,487 | 1,718 | 2,145 | 2,930 | 4,148 | | |
| 4349 | 870 | 942 | 1,069 | 1,216 | 1,393 | 1,438 | 1,684 | | 3,454 | | |
| FO | | | | | 1,010 | ,,450 | 1,004 | 2,103 | 2,873 | | |
| 5054 | 690 | 832 | 907 | 1,034 | 1,181 | 1,355 | 1 400 | 1 (00 | | | |
| 5559 | 607 | 642 | 781 | 860 | 990 | 1,135 | 1,400 | 1,638 | 2,046 | | |
| 6064 | 413 | 537 | 583 | 721 | 802 | | 1,302 | 1,345 | 1,575 | | |
| 6569 | 347 | 352 | 466 | 514 | | 930 | 1,068 | 1,225 | 1,265 | | |
| 7074 | 190 | 273 | 286 | 383 | 644 | 723 | 839 | 964 | 1,105 | | |
| | 100 | 210 | 200 | 303 | 426 | 538 | 604 | 700 | 804 | | |
| 7579 | 160 | 142 | 202 | 200 | | | | | | | |
| 80-84 | 72 | 110 | | 209 | 279 | 310 | 390 | 439 | 509 | | |
| 85 | 42 | 61 | 93 | 130 | 132 | 162 | 180 | 227 | 255 | | |
| (| 74 | 01 | 70 | 59 | 81 | 71 | 87 | 96 | 121 | | |

TABLE C-9
PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS
JULY 1, 1960—JULY 1, 2000

| | Mid-year population | | | | | | | | | | |
|---|---|---|--|--|---|--|---|---|--|--|--|
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | | |
| | | | | Both | sexes | , | | | - 10 | | |
| All ages | 45,099 | 52,498 | 60,145 | 68,351 | 76,977 | 85,284 | 95,198 | 106,383 | 118,497 | | |
| 0-4 5-9 10-14 15-19 20-24 | 8,503 6,651 4,885 3,932 3,350 | 9,747 7,772 6,568 4,801 3,828 | 10,034 9,103 7,665 6,483 4,721 | 10,544 9,541 9,011 7,589 6,397 | 10,957 10,158 9,469 8,943 7,511 | 10,770 10,649 10,100 9,413 8,867 | 12,645 10,467 10,587 10,040 9,332 | 14,313 12,290 10,406 10,525 9,953 | 15,660 13,909 12,217 10,345 10,435 | | |
| 25—29 30—34 35—39 40—44 45—49 | 3,242 2,795 2,411 2,066 1,844 | 3,258 3,141 2,714 2,338 1,996 | 3,757 3,188 3,064 2,637 2,261 | 4,650 3,692 3,125 2,992 2,560 | 6,318 4,585 3,632 3,062 2,915 | 7,433 6,242 4,521 3,567 2,990 | 8,774 7,344 6,156 4,441 3,484 | 9,236 8,669 7,241 6,047 4,336 | 9,851 9,126 8,548 7,115 5,906 | | |
| 50—54 55—59 60—64 65—69 70—74 | 1,456 1,287 893 766 426 | 1,755 1,363 1,161 777 612 | 1,912 1,648 1,245 1,014 631 | 2,174 1,805 1,515 1,094 825 | 2,470 2,063 1,666 1,338 892 | 2,817 2,349 1,910 1,475 1,092 | 2,891 2,679 2,177 1,692 1,205 | 3,367 2,749 2,483 1,929 1,382 | 4,191 3,203 2,548 2,199 1,575 | | |
| 75—79 80—84 85— | 358 153 81 | 317 233 117 | 448 198 137 | 454 269 113 | 586 265 149 | 629 325 134 | 770 350 164 | 851 430 176 | 977 474 216 (Contd.) | | |

TABLE C-9 (Contd.)

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960—JULY 1, 2000

| FEDTI | TITV ACCI | D COTTON I | | | | | | | |
|----------|-----------|------------|--------|--------|--------------------|--------|--------|------------|--------------|
| | LIII ASSU | JMPTION I | 11 (7) | 176 | 863 | The | 304 | (numbers a | re in 000's |
| - Age | 200 | 11(8) | + 34+ | M | id-year population | l'ole | 272. | 1 NE | 5.249 |
| . 14 | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 200 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| | - 11 | | +17/2 | 1150 | Males | | 1 122 | 241 | V1200 |
| All ages | 23,439 | 27 206 | 21.007 | 1.00 | 1.00 | | 397 | | |
| All agos | 23,437 | 27,296 | 31,237 | 35,411 | 39,757 | 43,920 | 48,905 | 54,543 | 60,658 |
| 0-4 | 4.343 | 4,994 | 5,144 | 5,408 | 5,621 | 5,526 | C 400 | 7244 | 0.00 |
| 5—9 | 3.432 | 4,012 | 4,697 | 4.912 | 5,222 | 5,468 | 6,488 | 7,344 | 8,036 |
| 10—14 | 2,525 | 3,394 | 3,960 | 4,651 | 4,875 | 5,408 | 5,375 | 6,311 | 7,143 |
| 15—19 | 2,034 | 2,485 | 3,353 | 3.922 | 4,013 | 5,191 | 5,435 | 5,343 | 6,27 |
| 2024 | 1,737 | 1,985 | 2,447 | | 4,616 | 4,845 | 5,158 | 5,402 | 5,310 |
| | 1,.57 | 1,703 | 2,747 | 3,310 | 3,881 | 4,575 | 4,801 | 5,111 | 5,353 |
| 25—29 | 1,685 | 1,693 | 1,950 | 2.410 | 3,268 | 3,859 | 4 524 | 4.740 | 5.05 |
| 30—34 | 1.457 | 1,638 | 1.660 | 1.918 | 2,377 | 3,227 | 4,524 | 4,749 | 5,058 |
| 35—39 | 1,264 | 1,423 | 1.603 | 1,629 | 1,887 | | 3,790 | 4,467 | 4,690 |
| 40-44 | 1,089 | 1,232 | 1,386 | 1,567 | 1,595 | 2,341 | 3,179 | 3,733 | 4,400 |
| 45-49 | 974 | 1,054 | 1,192 | 1,344 | | 1.849 | 2,296 | 3,117 | 3,661 |
| | | 1,054 | 1,172 | 1,344 | 1,522 | 1,552 | 1,800 | 2,233 | 3,033 |
| 50—54 | 766 | 923 | 1,005 | 1,140 | 1,269 | 1,462 | 1,491 | 1,729 | 2 145 |
| 55—59 | 680 | 721 | 867 | 945 | 1,073 | 1,214 | 1,377 | | 2,145 |
| 60—64 | 480 | 624 | 662 | 794 | 864 | 980 | 1,109 | 1,404 | 1,628 |
| 65—69 | 419 | 425 | 548 | 580 | 694 | 752 | 853 | 1,258 | 1,283 |
| 70—74 | 236 | 339 | 345 | 442 | 465 | 554 | 601 | 965 682 | 1,094 771 |
| 75—79 | 198 | 175 | 246 | 245 | 207 | 210 | | | |
| 80-84 | 81 | 123 | 105 | | 307 | 319 | 380 | 412 | 468 |
| 85 -l- | 39 | 56 | | 139 | 133 | 163 | 170 | 203 | 219 |
| | 37 | 90 | 67 | 54 | 68 | 63 | 77 | 80 | 95 |
| | | | | | | | | | (Contd |

TABLE C-9 (Concld.)

PROJECTED POPULATION OF WEST PAKISTAN BY SEX IN FIVE-YEAR AGE GROUPS JULY 1, 1960--JULY 1, 2000

| | | MPTION III | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|--|--|--|
| A ~~ | Mid-year population | | | | | | | | | | | |
| Age | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | | | |
| | | | | Fen | ales | | | | | | | |
| All ages | 21,660 | 25,202 | 28,908 | 32,940 | 37,220 | 41,364 | 46,293 | 51,840 | 57,839 | | | |
| 0—4 5—9 10—14 15—19 20—24 | 4,160 3,219 2,360 1,898 1,613 | 4,753 3,760 3,174 2,316 1,843 | 4,890 4,406 3,705 3,130 2,274 | 5,136 4,629 4,360 3,667 3,087 | 5,336 4,936 4,594 4,327 3,629 | 5,244 5,181 4,909 4,568 4,292 | 6,157 6,002 5,152 4,882 4,531 | 6,969 5,979 5,063 5,123 4,842 | 7,624 6,766 5,944 5,035 5,082 | | | |
| 2529 3034 3539 4044 4549 | 1,557 1,338 1,147 977 870 | 1,565 1,503 1,291 1,106 942 | 1,807 1,528 1,461 1,251 1,069 | 2,240 1,774 1,496 1,425 1,216 | 3,050 2,208 1,745 1,467 1,393 | 3,594 3,015 2,180 1,718 1,438 | 4,250 3,554 2,977 2,145 1,684 | 4,487 4,202 3,508 2,930 2,103 | 4,795 4,436 4,148 3,454 2,875 | | | |
| 5054 5559 6064 6569 7074 | 690 607 413 347 190 | 832 642 537 352 273 | 907 781 583 466 286 | 1,034 860 721 514 383 | 1,181 990 802 644 426 | 1,355 1,135 930 723 538 | 1,400 1,302 1,068 839 604 | 1,638 1,345 1,225 964 700 | 2,046 1,575 1,265 1,105 804 | | | |
| 75—79 80—84 85 + | 160 72 42 | 142 110 61 | 202 93 70 | 200 130 59 | 279 132 81 | 310 162 71 | 390 180 87 | 439 227 96 | 500 25: 12 | | | |

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