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Table 11.1 Net Change between "In" Migration and "Out" Migration

	(1) 1969	(2) 1979	(3) (2)-(1)
Nyanza Province		-266,466	-312,471
Kisii	+30,541	-60,468	-91,009
Kisumu	-54,113	-24,306	+29,807
Siaya	-28,860	-133,717	-162,577
South Nyanza	+44,013	-44,679	-88,692
Western Province		-287,627	+33,058
Bungoma	+296	-26,693	-26,989
Busia	-9,208	-12,380	-3,172
Kakamega	-310,927	-247,708	+53,219
Rift Valley Province		+479,209	+145,952
Kericho	+31,341	+6,093	-25,248
Nandi	+1,739	+8,465	+6,726
Nakuru	+101,746	+195,157	+93,411
Narok	+25,174	+29,065	+3,891
Elgeyo Marakwet	-17,989	-15,664	+2,325
Trans Nzoia	+56,440	+93,594	+37,154
Uasin Gishu	+99,867	+120,554	+20,687
West Pokot	+604	+7,610	+7,006

Notes : + Net "in" migration
 - Net "out" migration

Sources : CBS, 1979 Population Census Vol. 11 Analytical Report
 H. Rampel "An Analysis of the Information on Inter-District Migration Provided in the 1969 Kenya Census".

Table 11.2 Percentage Distribution of Population by Ability to Read and Write in Any Language in 1980/81

Province/ District	Ability to Read			Ability to Write		
	Male	Female	Total	Male	Female	Total
Nyanza	54.2	28.7	39.1	52.4	27.6	37.7
Kisii	51.5	28.7	39.0	50.3	26.4	37.2
Kisumu	57.1	33.8	43.0	53.9	34.1	42.0
Siaya	63.0	29.9	41.5	61.3	29.1	40.4
South Nyanza	51.3	25.5	35.7	49.2	24.8	34.5
Western	61.8	38.0	48.2	58.7	36.1	45.7
Bungoma	65.5	35.8	48.3	64.1	31.8	45.4
Busia	57.9	26.5	40.6	56.0	35.6	39.3
Kakamega	61.7	42.0	50.3	57.6	40.4	47.7
Rift Valley						
Kericho	59.4	28.8	44.5	56.5	28.9	43.1
Nandi	52.0	38.3	44.9	48.2	35.3	41.4
Uasin Gishu	56.8	41.9	48.7	55.3	40.8	47.4
Nakuru	65.7	37.8	49.5	61.8	33.7	45.4
Narok/Kajiado	28.8	16.1	21.2	26.3	14.9	19.1
W. Pokot/E. Marakwet	48.0	33.8	40.8	46.6	31.5	38.9
Central	77.3	56.7	65.4	75.7	54.7	63.6
Eastern	61.7	38.6	48.3	60.8	37.3	47.1
Coast	58.4	34.9	44.7	56.8	33.8	43.4
Kenya	61.1	38.4	48.1	59.0	36.8	46.3

Source : CBS, Social Perspective Vol. 7, No. 1, 1982

Table 11.3 Diffusion of Education

(Unit: %)

	Those with No Education in Age Group 5-14		Those with Education Form 1-4 in Age Group 20-24	
	Male	Female	Male	Female
Nyanza Province	20.4	22.3	35.4	15.0
Kisii	20.2	21.1	41.6	20.0
Kisumu	17.9	19.8	34.7	16.5
Siaya	22.2	24.4	29.5	10.7
South Nyanza	20.9	23.9	31.0	10.8
Western Province	27.6	27.3	36.9	19.2
Bungoma	26.0	25.1	42.9	22.1
Busia	28.8	32.3	31.3	11.8
Kakamega	28.0	27.1	34.8	19.9
Rift Valley Province	38.7	41.0	24.8	11.5
Kericho	29.2	29.4	26.8	11.5
Nandi	25.5	25.5	24.3	11.2
Nakuru	27.9	29.4	33.9	20.0
Narok	63.6	72.3	13.1	4.0
Elgeyo Marakwet	32.2	35.8	22.3	9.2
Trans Nzoia	32.7	33.8	27.3	13.8
Uasin Gishu	27.2	27.3	32.3	16.2
West Pokot	68.9	77.3	9.1	3.0
Nairobi	25.9	27.3	47.6	41.7
Central Province	25.3	24.6	39.0	28.2
National Average	32.3	34.1	32.9	18.3

Source : Calculated from 1979 Census

Table 11.4 Features of Primary Schools in the Region (1986)

Province/ District	No. of Schools (1).	Enrollment (2).	(2)/(1)	Trained Teachers(3)	Total Teachers (4).	(3)/(4) (%)	(2)/(4)
Nyanza	3,212	911,805	284	16,828	27,649	61	33
Kisii	892	294,973	331	6,401	9,675	66	30
Kisumu	594	162,177	295	3,142	4,794	66	34
Siaya	546	179,242	328	2,869	4,769	60	38
S. Nyanza	1,225	275,413	225	4,416	8,411	53	33
Western	1,581	538,643	413	13,507	18,591	73	36
Bungoma	461	203,614	442	4,214	5,789	73	35
Busia	300	101,916	340	1,985	2,901	68	35
Kakamega	868	367,617	424	7,308	9,901	74	37
Rift Valley	1,581	538,643	341	11,302	16,119	70	33
Kericho	538	231,091	430	4,277	6,579	65	35
Nandi	353	109,448	310	2,134	3,216	66	34
Uasin Gishu	270	105,427	390	2,033	2,755	74	38
Trans Nzoia	420	92,677	221	2,858	3,569	80	26
Total	6,422	2,123,595	331	41,637	62,359	67	34
Kenya	12,936 *	4,702,414 *	364	96,192	137,766	70	34

Notes: * the figures in 1985

Sources: Ministry of Education, Science and Technology, Statistical Unit.
MOEST, "Development of Education in Kenya, 1984-86".

Table 11.5 Features of Secondary School in the Region (1986)

Province/ District	No. of Schools (1).	Enrollment (2).	(2)/(1)	Trained Teachers (3).	Total Teachers (4).	(3)/(4) (%)	(2)/(4)
Nyanza	482	76,344	158	-	-	-	-
Kisii	197	36,498	185	-	-	-	-
Kisumu	106	13,707	124	-	-	-	-
S. Nyanza	61	10,522	172	-	-	-	-
Western	289	52,839	183	713 *	1,601 *	45	33
Bungoma	103	16,638	162	193	422	46	39
Busia	40	6,420	161	117	269	43	24
Kakamega	146	29,781	204	403	910	44	33
Rift Valley	255	40,496<1	159	1,041	1,706	61	24
Kericho	111	18,643	168	392	763	51	24
Nandi	54	7,876	146	239	336	71	23
Uasin Gishu	52	8,461	163	264	494	65	21
Trans Nzoia	38	5,516	145	146	203	72	27
Total	1,026	169,679	167	-	-	-	-
Kenya	2,413 *	437,207 *	181	11,980	21,966	55	20

Notes: * the figures in 1985

Sources: Same as those of Table 11.4

Table 11.6 Mean Standard Score Performance in KCPE by Subject (1985)

	English	Kiswahili	Maths.	Science & Agriculture	GHCR	AR.H/SC. Music	Total	No. of Candidates
Nyanza	48.20	36.77	47.96	43.43	47.41	48.11	275.44	58,083
Western	47.08	50.30	45.37	46.21	46.67	46.58	281.79	43,606
Rift Valley*	45.19	45.15	47.10	48.22	48.67	47.04	280.96	35,887
Central	54.69	52.74	56.28	55.43	54.81	56.46	329.99	63,776
Nairobi	59.76	53.56	50.74	46.54	50.61	50.70	311.48	11,959
Kenya**	50.00	50.00	50.00	50.00	50.00	50.00	300.00	334,338

Note: * Kericho, Nandi, Trans Nzoia and Uasin Gishu Districts only.

** The mean is 50 points in each subject.

Source: Kenya National Examinations Council, 1986.

Table 11.7 Enrollment in Youth Polytechnics 1986

	No. of Schools	Enrollment	Courses taught
Nyanza	51	2,817	
Kisii	15	1,071	. Carpentry and joinery
Kisumu	10	517	. Masonry
Siaya	14	713	. Tailoring and Tailoring and dressmaking
South Nyanza	12	516	. Home economics
Rift Valley	19	1,811	. Agriculture
Kericho	8	855	. Metal works
Nandi	5	569	. Motor vehicle mechanic
Trans Nzoia	3	307	. Electrical
Uasin Gishu	3	80	. Typing
Western*	43	2,579	. Plumbing
			. Business education

Note: * the figures in 1985

Sources: Provincial Statistic Unit
Economic Survey 1986

Table 11.8 Estimated Building Cost in 1985

(1) Primary School

(Unit: 10³ Kshs.)

Single Stream		Double Stream	
Item	Cost	Item	Cost
8 Classrooms	960	16 Classrooms	1,920
1 Music Room	150	1 Music Room	150
1 Administration Block	300	1 Administration Block	300
1 Day Sanitation	300	1 Day Sanitation	300
1 Library	800	1 Library	800
1 Special Room	300	2 Special Room	600
1 Workshop	800	1 Workshop	800
1 Home Science Room	800	1 Home Science Room	800
Total	4,410	Total	5,670

(2) Secondary School

Item	Single/Day	Double Day	Single Boarding	Double Boarding
4 Classrooms	480	-	480	-
8 Classrooms	-	960	-	960
1 Physical Laboratory	80	80	80	80
1 Music Room	150	150	150	150
1 Admin. Block	300	300	300	300
1 Business Educ. Room	150	150	150	150
7 Teachers Houses	1,500	1,500	1,500	1,500
2 Day Sanitation	300	300	300	300
1 Ablution Block	350	350	350	350
1 Library	800	800	800	800
2 Special Rooms	300	300	300	300
1 Agricultural Lab.	500	500	500	500
1 Workshop	800	800	800	800
1 Home Science Lab.	800	800	800	800
1 Kitchen/Dining Hall	-	-	1,000	1,000
2 Dormitories	-	-	360	-
4 Dormitories	-	-	-	720
Equipment	10,000	10,000	10,000	10,000
Total	17,230	18,810	18,590	19,230

Source: Ministry of Education Science and Technology.

Table 11.9 Examples of Total Building Cost upto 2005 (at 1985 Constant Price)

(Unit: million Kshs)

Case	Primary School				Secondary School *3				Total Cost
	No. of Schools	Type	Unit Cost	Cost	No. of Schools *4	Type	Unit Cost	Cost	
A	3,063	Single	4.41	13,508	870	Sing./Day	7.23	6,290	19,798
A' *1	3,063	Single	2.86	8,760	870	sing./Day	3.03	2,636	11,396
B	3,063	Single	4.41	13,508	870	Sing./Boarding	8.59	7,473	20,981
B' *2	3,063	Single	2.86	8,760	870	Sing./Boarding	4.39	3,819	12,579
C	1,532	Double	5.67	8,686	435	Double/Day	8.81	3,832	12,518
C *1	1,532	Double	4.12	6,312	435	Double/Day	3.51	1,527	7,839
D	1,532	Double	5.67	8,686	435	Double/Boarding	9.23	4,015	12,701
D' *2	1,532	Double	4.12	6,312	435	Double/Boarding	10.95	4,763	11,075

Notes:

- *1 Minimum requirement considered including class-rooms + Administration Block + Day sanitation + Workshop + Home Science Room.
In the case of Secondary School, the requirement above + ablution Block.
- *2 In the case of Secondary School, *1 + Kitchen/Dining Hall + dormitory.
The Cost of Primary School is assumed the same as in *1.
- *3 The cost for equipment is excluded.
- *4 In the case of 25% of enrollement ratio.

Table 11.10 Estimation of Employment Opportunities in the Region in 1985

(Unit: 10³)

Sector	Subsector	Modern Sector	Self-employed Informal Sector*	Total
Agriculture and Subsistence	. Non-wage agriculture		1,861	
	. Wage agriculture	99		
	. Rural non-farm activities		300	
Sub-total		99	2,161	2,260
Manufacturing and Mining	. Manufacturing	25	5	
	. Construction	6	-	
	. Electricity and Water	3		
	. Mining	-	-	
Sub-total		34	5	39
Service.	. Wholesale/Retail/ restaurants and Hotel	10	26	
	. Transport/Communication	5		
	. Community Social and Personal Services	141	4	
	. Finance/Insurance/Real Estate and Business Services	5		
Sub-total		161	30	191
Grand Total		274	2,196	2,490

Notes: * Due to measurement problems, most of urban informal activities are accounted for, and most informal manufacturing and service activities in rural areas are counted as rural non-farm activities.
- Means less than 1,000

Sources: JICA Study Team
CBS, Wage Employment and Earnings in the Modern Sector 1985

Table 11.11 Projection of Employment Opportunities in the Region in 2005

(Unit: 10³)

Sector	Subsector	Modern Sector	Self-employed Informal Sector*	Total
Agriculture and Subsistence	. Non-wage agriculture		3,566	
	. Wage agriculture	234		
	. Rural non-farm activities		1,510	
Sub-total		234	5,076	5,310
Manufacturing and Mining	. Manufacturing	77	18	
	. Construction	15	-	
	. Electricity and Water			
	. Mining	-	-	
Sub-total		92	18	110
Service.	. Wholesale/Retail/ Restaurants and Hotel]	40	112	
	. Transport/Communication	19		
	. Community Social and Personal Services	572	19	
	. Finance/Insurance/Real Estate and Business Services	18		
Sub-total		649	131	780
Grand Total		975	5,225	6,200

Notes: * Due to measurement problems, most of urban informal activities are accounted for, and most informal manufacturing and service activities in rural areas are counted as rural non-farm activities.
- Means less than 1,000

Source: JICA Study Team

Table 11.12 Out-Patient Morbidity (Reported Cases, 1980)

Disease	Nyanza	Western	Rift Valley	Kenya
Malaria	1,805,077 (31.3)	930,680 (33.8)	732,298 (14.6)	5,586,457 (20.2)
Acute Respiratory Infections	883,137 (15.3)	439,505 (15.9)	1,047,667 (20.9)	5,413,829 (19.6)
Diarrhoeal Diseases	466,506 (8.1)	241,377 (8.8)	463,744 (9.2)	1,989,120 (7.2)
Intestinal Worms	425,306 (7.4)	131,841 (4.8)	334,333 (6.7)	1,590,536 (5.7)
Diseases of the Skin (incl. ulcers)	331,356 (5.7)	168,954 (6.1)	322,736 (6.4)	2,189,223 (7.9)
All other diseases	1,858,069 (32.2)	845,062 (30.6)	2,112,675 (42.2)	10,912,775 (39.4)
Total	5,769,451 (100)	2,757,419 (100)	5,013,453 (100)	27,681,940 (100)

Note: Percentage share in parenthesis

Source: MOH, Status of Health 1980, 1985

Table 11.13 Case Rate per 100,000 Population by Cause and Province, 1980

Disease	R/Valley	Nyanza	Western	Kenya
Diarrhoeal Diseases	13,741	17,259	12,751	13,450
Whooping Cough	323	529	464	339
Measles	1,531	2,085	1,410	1,437
Malaria	21,698	66,780	49,164	37,774
Gonorrhoea	2,845	3,496	3,421	3,237
Bilharzia (Schistosomiasis)	198	455	68	628
Intestinal Worms	9,906	15,735	6,965	10,755
Acute Respiratory Infections	31,042	32,672	23,217	36,607
Pneumonia	1,380	1,208	1,514	1,572
Disease of the Skin (Including Ulcers)	9,563	12,259	8,925	14,803
Total New Cases	148,547	213,446	145,664	187,179

Source: MOH, Status of Health 1980

Table 11.14 Details of and Countermeasures against Main diseases in the Region

Disease	Suffered Areas	Situations and Characteristics	Countermeasures
<u>Malaria</u>	Western Province Nyanza Province	- Endemic and stable in the two provinces - Very dangerous for children under the age of six or seven due to their immature immunity - A cause for serious fetal wastage and marked maternal morbidity during pregnancy	- Chemotherapy, chemoprophylaxis and effective mosquito control (in unstable malaria areas) - Chemotherapy and simple mosquito control (in stable malaria areas) - To educate the shepkeepers about dosages of various brands of the antimalarial drugs
<u>Sick Cell Disease</u>	The Luo's and the Luhya's regions	- Depends on the gene frequency of hemoglobin (Luo's: 25%, Luhya's: 12%, Kisii's: 5%, Kalenjin's: 1%) - A cause for a very high fatal wastage, infant mortality and morbidity	- Education about the disease in all the schools - Training of all the health staff for sickle cell disease counselling - Installation of electrophoresis facilities for determining the types of hemoglobin
<u>Water-born Disease</u>			
<u>Typhoid</u>	Some areas in Kericho and Kimilli river basin in Bungoma	- Pollution in rivers upstream by indiscriminate defecation near the rivers	- To supply water to all the households (large water supply projects, development of shallow wells, protection of springs and boreholes)
<u>Cholera</u>	Nyanza Province	- Sporadic outbreaks	- Water supply and personal hygiene
<u>Leprosy</u>	Nyanza Province Busia District	- Shorter time for cure than in old days	- Modern drug combination treatment - the building of trunk roads and access roads - the increase in general socio-economic conditions
<u>Tuberculosis</u>			- Improvement in general nutrition, better housing and immunization (BCG) - At least two clinical officers in charge of tuberculosis and leprosy
<u>Childhood Diseases</u>			
<u>Tetanus and Measles</u>		- Very serious problems in areas where MCH activities are non-existent - High mortality of those suffered from Neonatal tetanus	- To immunize pregnant mothers against tetanus and use aseptic techniques during delivery especially at the dressing of the infants umbilical cord stump - To improve the immunization coverage for measles and tetanus by reducing the proximity of health facilities to households
<u>Schistosomiasis</u>	around the Lake-shores, particularly in Karachuonyo and Uyama	- More widespread as irrigated areas increase	- Strict measures about safe disposal of excreta and urine from the irrigation canals and fields - Health education to interrupt the transmission of the disease - Adequate water supply to reduce the necessity of contact with fresh water
<u>Malnutrition</u>		- Very serious for children under five - Kwashiorkor due to shortage of protein - Marasmus due to deficiency of calory-intake - Caused by food shortage due to insufficient income, ignorance of balanced diets and incorrect weaning of children from breast feeding	- Provision of adequate numbers of nutritionists and health educators - Consistent policy between the ministries concerned such as Agriculture Livestock and Finance

Source: LBDA, Master Plan (Integrated Rural and Urban Health Programme) for LBDA Plan Period (1989-2005) (Draft), 1987

Table 11.15 Number of Health Facilities

	Hospitals		Health centers		Health Subcenters and Dispensaries		Total		No. of Beds and Costs per 100,000 popu.	
	'80	'85	'80	'85	'80	'85	'80	'85	'80	'85
Nyanza	34	38	39	47	138	139	211	224	146	113
Western	15	20	37	37	34	44	86	101	140	117
Rift Valley	51	51	72	61	331	335	454	447	147	135
Nairobi	17	27	8	15	61	116	86	158	586	483
Central	46	44	36	40	175	187	258	271	185	160
Kenya	216	243	241	267	1087	1173	1544	1683	174	153

Source: Economic Survey 1986, Statistical Abstract, 1982.

Table 11.16 Plan of Health Facilities Constructed

District	No. of Health Facilities	No. of Beds & Cots	No. of Facilities per 100,000 People		No. of Beds & Cots per 100,000 People	Remarks
			Hospital	All		
Kakamega	A/1	7	940:182	0.5	3.6	Population: 1,306x10 ³ Area: 3,194 km ² No figure of beds and cots for 5 health centres
	B	0	-			
	C	24	352:102 (445:129) ²			
	D	15	-			
Bungoma	A	3	34:12	0.5	5.6	Population: 658x10 ³ Area: 2,462 km ²
	B	1	46:0			
	C	11	161:70			
	D	22	-			
Busia	A	5	118:20 (295:50)	1.2	5.9	Population: 391x10 ³ Area: 1,630 km ² No figure for 3 hospitals and 3 health centres
	B	0	-			
	C	11	74:30 (102:41)			
	D	7	-			
Siaya	A	5	445:87	0.8	6.3	Population: 651x10 ³ Area: 2,521 km ² No figure for 1 health centre
	B	0	-			
	C	11	80:35 (88:39)			
	D	24	-			
Kisumu	A	4	1,027:125	0.6	9.1	Population: 656x10 ³ Area: 2,091 km ² No figure for 2 health centres
	B	10	915:134			
	C	14	214:42 (250:49)			
	D	34	-			
South Nyanza	A	4	544:177	0.4	4.8	Population: 1,120x10 ³ Area: 5,714 km ²
	B	0	-			
	C	19	318:33			
	D	30	-			
Kisii	A	5	707:52	0.4	4.0	Population: 1,206x10 ³ Area: 2,196 km ² No figure for 1 nursing home and 7 health centres
	B	2	228:15			
	C	13	283:82 (613:178)			
	D	30	-			
Nandi	A	2	304:0	0.5	6.3	Population: 434x10 ³ Area: 2,745 km ²
	B	0	-			
	C	7	100:38			
	D	19	-			
Trans Nzoia	A	1	190:15	0.3	5.3	Population: 366x10 ³ Area: 2,077 km ² No figure for 1 nursing home
	B	1	-			
	C	4	72:24			
	D	13	-			
Kericho	A	8	322:24	1.1	10.2	Population: 699x10 ³ Area: 4,890 km ² No figure for 2 nursing homes
	B	2	-			
	C	13	72:24 (156:52)			
	D	48	-			
Uasin Gishu	A	2	475:20	0.5	8.3	Population: 393x10 ³ Area: 3,480 km ²
	B	-	-			
	C	10	54:18 (180:60)			
	D	20	-			

Notes : /1 A: Hospitals, B: Nursing Homes, C: Health Centres, D: Dispensaries
 /2 Adjusted figure in parentheses by obtaining an average of given figures for each facility
 /3 Figures for 1985, estimated by JICA Study Team
 Source : LBDA, Master Plan (Integrated Rural and Urban Health Programme) for LBDA Plan Period (1989-2005), Draft, 1987.

Table 11.17 Registered Medical Personnel (1980)

	Doctors & Dentists	Clinical Officers	Registered Nurses	Enrolled Community Nurses
Nyanza Province	98	173	166	768
Kisii	15	37	41	134
Kisumu	69	73	73	321
Siaya	7	29	12	100
South Nyanza	7	34	40	213
Western Province	44	102	99	634
Bungoma	10	24	28	194
Busia	5	29	26	164
Kakamega	29	49	45	276
Rift Valley Province	138	179	184	744
Kericho	15	29	29	64
Nandi	8	21	15	94
Nakuru	68	47	56	164
Narok	3	13	8	53
E. Marakwet	2	10	6	34
T. Nzoia	15	15	22	101
U. Gishu	26	31	31	172
W. Pokot	1	13	17	62

Source: Provincial Statistical Abstract 1975-80

Table 11.18 Plan of Health Facilities Constructed

District		No. of New Facilities (1988-1993)	No. of New Facilities (1993-2005)	Total	No. of Facilities ² per 100,000 People		No. of Beds & Costs per 100,000 People
					Hospital	All	
Kakamega	A ¹	2	1	3	0.5	3.6	130
	C	3	2	5			
	D	1	-	1			
Bungoma	A	3	-	3	0.5	5.6	97
	C	3	2	5			
	D	-	-	0			
Busia	A	-	-	0	1.2	5.9	125
	C	2	-	2			
	D	2	3	5			
Siaya	A	1	2	3	0.8	6.3	101
	C	3	3	6			
	D	6	7	13			
Kisumu	A	2	3	5	0.6	9.1	382
	C	3	4	7			
	D	4	5	9			
South Nyanza	A	3	-	3	0.4	4.8	96
	C	7	3	10			
	D	4	6	10			
Kisii	A	1	1	2	0.4	4.0	149
	C	-	1	1			
	D	5	1	6			
Nandi	A	1	1	2	0.5	6.3	102
	C	2	1	3			
	D	-	-	0			
Trans Nzoia	A	1	-	1	0.3	5.3	82
	C	1	3	4			
	D	-	-	0			
Kericho	A	-	1	1	1.1	10.2	79
	C	-	3	3			
	D	-	-	0			
Uasin Gishu	A	2	1	3	0.5	8.3	187
	C	3	-	3			
	D	-	-	0			

Note : ¹ A: Hospitals, C: Health Centres, D: Dispensaries
² Calculated from Table 11.16

Source : Same as in Table 11.16.

Table 11.19 Total Infant/Child Mortality

	Estimates ¹	Survey ²
Nyanza Province	220	13.5
Kisii	134	9.5
Kisumu	246	20.0
Siaya	259	20.4
south Nyanza	266	16.1
Western Province	187	14.8
Bungoma	169	9.8
Busia	244	17.5
Kakamega	177	14.0
Rift Valley Province	-	-
Kericho	113	7.2
Nandi	132	9.8
Nakuru	120	8.2
Narok	120	4.9
T. Nzoia	138	12.1
U. Gishu	114	9.9
W. Pokot	232	-
E. Marakwet	150	11.6
Nairobi	104	-
Central Province	85	6.5
Coast Province	206	16.0
Eastern Province	128	8
Kenya	-	10.5

Notes: ¹: Proportion of children dying in first 5 years of live (per 1000) from Analytical Report of the 1979 census
²: Proportion of dead children in children ever born to mother from Third Rural Child Nutrition Survey 1982.

Table 11.20 Percentage of Married Women Currently Using a Family Planning Method by Type of Method and by Province

Province	Use Any	Use Modern	Use Traditional	M/T Ratio
Nairobi	28.3	22.9	5.4	4.24
Coast	10.5	6.8	3.7	1.84
Eastern	26.3	14.2	12.1	1.17
Central	34.1	20.7	13.5	1.53
Rift Valley	15.1	5.4	9.6	0.56
Nyanza	8.6	5.5	3.0	1.83
Western	4.6	3.5	1.1	3.18

Source: CBS, Kenya Contraceptive Prevalence Survey 1984 First Report.

Table 11.21 Some Indicators of Sanitary Conditions

	% of households without piped water	Distance ¹ to water	% of households without sewage facilities
Nyanza Province	97.5 (91.9)	35.9 (12.0)	37.8 (27.5)
Kisii	99.0	31.4	17.4
Kisumu	87.5	26.8	7.8
Siaya	98.1	53.5	36.1
South Nyanza	99.5	37.5	68.8
Western Province	95.3 (98.2)	10.5 (2.5)	19.4 (33.3)
Bungoma	89.5	34.2	25.2
Busia	99.3	20.5	26.6
Kakamega	96.5	1.6	16.4
Rift Valley Province			
Kericho	86.7	28.3	66.4
Nandi	79.6	2.5	53.1
Nakuru	85.8	33.9	14.3
Narok	93.2	49.7	79.2
T. Nzoia	86.8	2.0	25.3
U. Gishu	95.2	15.4	48.5
E. Marakwet/ W. Pokot	98.1	15.5	54.5
Central Province	76.3 (93.3)	6.3 (1.5)	1.7 (9.0)
Coast Province	89.3 (77.3)	47.1 (29.1)	61.9 (75.0)
Eastern Province	89.1 (91.7)	34.1 (19.8)	37.6 (43.2)
Kenya	88.2 (85.1)	25.1 (11.3)	33.5 (38.0)

Note: ¹: Percentage of those households who travel more than 2 km to fetch water in dry season
Figures between parentheses are the data from Integrated Rural survey 1977, 1979

Source: Third Rural Child Nutrition Survey 1982.

Table 11.22 Percentage of Workers in Agriculture by Attribute

(Unit: %)

Cases from	Peasant				Rich Peasant				Total
	Nyanza Prov.	Western Prov.	Rift Valley Prov.	Peasant total	Nyanza Prov.	Western Prov.	Rift Valley Prov.	Rich Peasant total	
Present working in agriculture									
Wife	95	96	85	93	93	71	85	84	90
Husband	71	43	61	61	39	7	27	26	46
Children	96	77	85	87	95	83	84	86	87
Relatives	8	40	6	17	4	41	13	15	16
Hired Labour	30	28	58	39	89	88	86	87	59
Workgroups	-	13	2	4	-	6	-	1	3
No information	2	-	-	1	-	-	-	-	0
Total cases	67	49	55	171	28	17	73	118	289
Total with land for cultivation *1	61	47	53	161	28	17	71	116	277
No. with land and husband present *2	52	30	44	126	18	15	60	93	219
No with land and children of work age present *3	46	30	40	116	19	12	55	86	202

Notes:

- * Information from women based cases
- *1 Basis for percentages on work of wife, relatives, hired labour and 'no information'
- *2 Basis for percentage of husband's work in agriculture
- *3 Basis for percentage of children's work in agriculture

Source: P. Kongstad and M. Monsted, "Family, Labour and Trade in Western Kenya", 1980

Table 11.23 Average Number of Days per Week that the Women Report to Work in Agriculture

	Peasant		Rich Peasant	
	Slack Season	Busy Season	Slack Season	Busy Season
Kitutu	4.1	5.2	4.4	5.4
Kabondo	3.9	4.3	4.0	4.4
Muhoroni	3.5	3.6	(3.0)	(3.0)
Cases from Nyanza	3.9	4.6	4.1	4.8
Idakho, Isukha & Bunyore	2.7	5.6	2.4	3.9
Bokoli	1.3	4.7	(0.8)	(4.7)
Cases from Western	2.2	5.3	1.9	4.2
Kabiyet & Kaptumo	0.6	3.5	(1.5)	(4.0)
Saboti & Nzoia	1.3	4.5	1.8	3.6
Buret	(1.9)	(4.0)	2.0	3.7
Cases from Rift Valley	1.0	3.8	1.8	3.7
Total cases	2.6	4.6	2.4	4.0

Note : () if basis is 5 or fewer households

Source : Same as in Table 11.22

Table 11.24 Husband's Cash Contribution to the Household Expenses (Percentage only for Household with Male Headed Household)

	Landless	Peasants	Rich peasants
Occasionally or nothing	52	33	19
10 - 20 Kshs. (per month)	5	7	1
21 - 60 Kshs.	19	21	5
61 - 100 Kshs.	-	5	12
101 Kshs. or more	-	3	29
Only in Kind	5	25	24
No information	19	7	9
Total	100	101	99
N +	21	86	75

Source: P. Kongstad and M. Monsted, "Family, Labour and Trade in Western Kenya", 1980

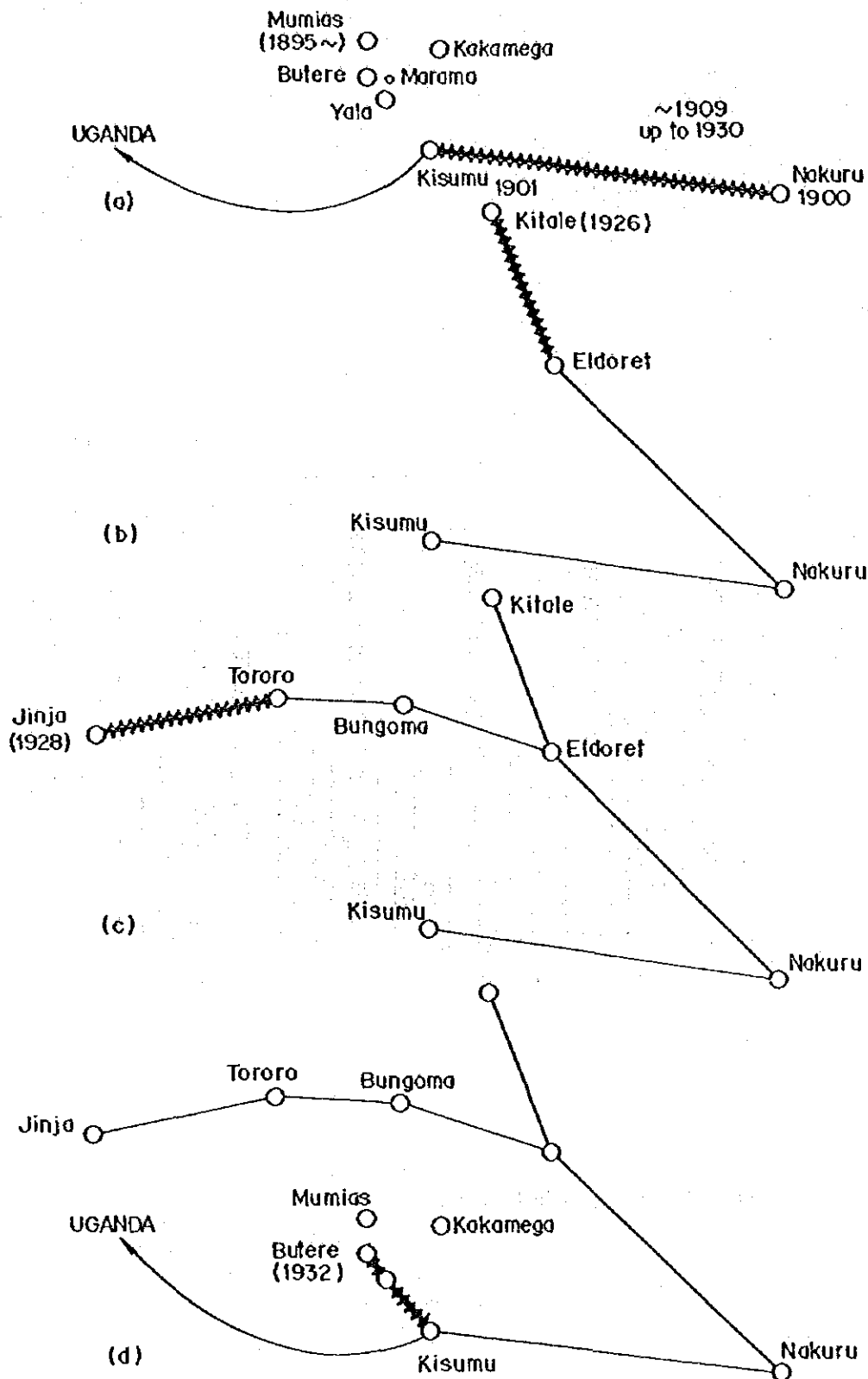


Figure 11.1 Extension of Railway Lines and Evolution of Market Centers in the Region

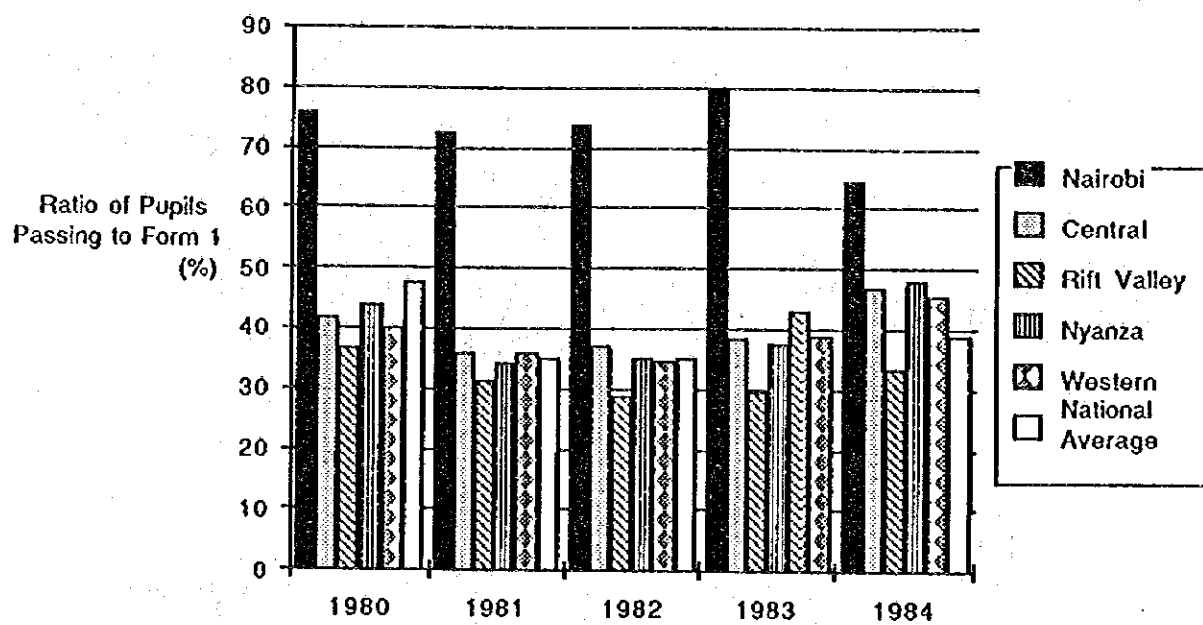


Figure 11.2 Ratio of Pupils Passing to Form 1

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