CONTENTS

Chapter
1. Summary ......................................................... page

2. Introduction .................................................. 3

3. Methods ......................................................... 5
   Construction of the AIDS Database ................................ 5
   Data Collection Methods for Measuring Resource Utilization .. 8
   Unit Cost Calculation ........................................... 9
   Survival Methodology ......................................... 10

4. Results ......................................................... 11
   Analysis of the AIDS Caseload ................................ 11
   Cost of Care .................................................. 14

5. Concluding Comments .......................................... 17

Appendix
A. Kaiser Permanente Medical Care Program .......................... 23

B. The Product-Limit Estimator .................................... 35

C. Centers for Disease Control (CDC) California AIDS Projections .. 37

D. List of Abbreviations ........................................... 45

References .......................................................... 47

Tables

Table

3-1. AIDS Cases by Best Source of Confirmation .................... 5
3-2. AIDS Classification Guidelines ................................ 7
3-3. Data on Resource Utilization of AIDS Patients ................ 8
4-1. Incidence of AIDS: 1981-June 1987 .......................... 11
4-2. Number of AIDS Patients by Facility of Diagnosis: 1981-June 1.. 12
4-3. Distribution of Age at Diagnosis: KPNCR and General Population: 1981-June 1987 ............... 12
4-4. Initial Diagnosis for AIDS Patients ................................ 13
4-5. Estimated Lifetime Hospital Utilization by Initial Diagnosis in 913 AIDS Patients .......................... 13
4-6. Estimated Lifetime Hospital Utilization by Initial Diagnosis for the Sample of 30 AIDS Patients mto=HMMmH=mH=titH=--= ........................................ 14
4-7. Estimated Lifetime Utilization by Service Category for the Sample of 30 AIDS Patients ................ 15
4-9. Estimated Lifetime Costs of AIDS for the Sample of 30 AIDS Patients .......................... 16
4-10. Estimated Lifetime Costs by Initial AIDS-Related Diagnosis for the Sample of 30 AIDS Patients MHMM-OUHHHHHHH-O----=HMH- ......................... 17
4-11. New Cases of AIDS From 1981-1990=...ti...tt.m.ti ..titl ............................ 18
CONTENTS (cent’d)

A-1. Percent Distribution Membership by Age and Sex 1980 and 1986 ........................................... 25
A-2. Number and Percentage Distribution of Group and NonGroup Members
    for Selected Years: 1965 to 1986 ................................................................................................. 26
A-3. Registration Charges for Selected Services ................................................................................. 30
A-4. Description of Prescription Drug Plans ....................................................................................... 30
A-5. Age-Specific Health Plan Utilization Rates, Calendar Year 1986 .............................................. 32
A-6. Percent of Average Hospital Occupancy, KPNCR, California, and
    the United States, Selected Years From 1976 to 1986 ............................................................... 33
A-7. Largest Non-Kaiser Northern California HMOS ........................................................................ 33

Figures

<table>
<thead>
<tr>
<th>Figure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1. KPNCR Service Area Map</td>
<td>24</td>
</tr>
<tr>
<td>A-2. Kaiser Foundation Health Plan Membership Northern California Region</td>
<td>25</td>
</tr>
<tr>
<td>A-3. KPNCR Application for Membership-Medical Questionnaire</td>
<td>28</td>
</tr>
<tr>
<td>A-4. Individual Plan Programs</td>
<td>31</td>
</tr>
</tbody>
</table>