
A BILL FOR AN ACT

RELATING TO CHRONIC KIDNEY DISEASE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. (a) The legislature finds that chronic kidney
2 disease, which is divided into five stages, affects all age
3 groups. Patients at the last stage, or end stage renal disease,
4 require dialysis or kidney transplantation. The cost of
5 treatment and care for end stage renal disease patients is much
6 higher than for patients at the earlier stages. Currently,
7 Hawaii has about two thousand end stage renal disease patients,
8 which is a forty-four per cent higher prevalence rate than the
9 rest of the nation with 1,502 per million compared to 1,040 per
10 million nationwide. The number of such patients in Hawaii is
11 increasing at a five per cent rate annually while the national
12 rate has declined to one per cent. It is estimated that ten per
13 cent of the State's population, or one hundred thousand
14 individuals, are afflicted with chronic kidney disease. The
15 current cost of caring for end stage renal disease in the State
16 has reached \$125,000,000 and that cost is projected to reach
17 \$144,000,000 by 2011.



1 The legislature further finds that the St. Francis
2 Healthcare Foundation, in conjunction with the office of
3 Hawaiian affairs and Papa Ola Lokahi, is developing a major
4 chronic kidney disease health care demonstration project to
5 address health care access issues for end stage renal disease in
6 remote areas of Hawaii and to develop a research program to help
7 care for chronic kidney disease. The focus of the demonstration
8 project is to promote education, detection, prevention, and
9 medical management and treatment for those with chronic kidney
10 disease through a modified home care and community health
11 program. Under this model, patients in various stages of
12 chronic renal disease would be able to visit a common site
13 within their own community to receive necessary care. Locating
14 a treatment and care site within the patients' own community
15 will greatly improve patients' quality of life, especially those
16 with end stage renal disease. Such patients, especially those
17 who live in remote areas of the State, would not have to endure
18 the physical punishment of enduring long commutes to a dialysis
19 facility. For example, patients living in Hana on the island of
20 Maui presently need to travel a tortuous two-and-a-half hours to
21 a dialysis clinic. After four hours of dialysis, they need to
22 endure the two-and-a-half-hour return trip. In order to live,



1 they must endure this three times a week. The same situation
2 applies to end stage renal disease patients who live on the
3 north shore of Oahu, in the Kau district of the Big Island, and
4 various other remote areas.

5 Hemodialysis, or home dialysis, is not practical because of
6 logistics issues such as allocating at least one hundred square
7 feet of space in a patient's home, the need for reliable
8 electric and water service, and proper disposal of waste.
9 Furthermore, many end stage renal disease patients live in
10 multi-generational households where space and privacy are at a
11 premium.

12 Constructing full-scale dialysis facilities within
13 communities is not cost-effective. An estimate minimum of sixty
14 patients would be needed for such a facility to break even. The
15 costs of start-up and maintenance of such a full-scale facility
16 in remote areas would be prohibitive and unrealistic.

17 The first model of the demonstration project proposes two
18 initial facilities in Kahuku on Oahu and Hana on Maui. The
19 model uses a modified home care and community health approach
20 that will allow dialysis patients to place their personal
21 dialysis machines within a common facility. These facilities
22 will have the necessary infrastructure and logistics to



1 accommodate the machines, and trained personnel will be
2 available to administer and monitor treatment. At the same
3 facility, a multidisciplinary chronic kidney disease team will
4 deliver various services including:

- 5 (1) Patient education;
 - 6 (2) Dietary counseling;
 - 7 (3) Psychosocial counseling;
 - 8 (4) Laboratory screening;
 - 9 (5) Preventive vaccinations and primary care physician
10 consultation;
 - 11 (6) Evaluation and treatment of co-morbid conditions such
12 as hypertension, diabetes mellitus, and
13 hyperlipidemia;
 - 14 (7) End stage renal disease counseling;
 - 15 (8) Early referral to nephrologists and vascular surgeons;
 - 16 (9) End stage renal disease social worker psychological
17 evaluation and counseling; and
 - 18 (10) Education to address patient and family financial
19 issues.
- 20 (b) The first model involves:
- 21 (1) Construction of a permanent community center to care
22 for chronic disease patients;



- 1 (2) Providing and underwriting equipment, supplies,
2 caregivers, and dialysis treatment for end stage renal
3 disease patients;
- 4 (3) Providing and underwriting community health
5 screenings;
- 6 (4) Establishing a chronic kidney disease treatment
7 program for the community;
- 8 (5) Establishing an information technology infrastructure
9 and database on chronic kidney disease research; and
- 10 (6) Establishing and developing a chronic kidney disease
11 research program with the University of Hawaii school
12 of medicine.
- 13 (c) In the second model of the demonstration project,
14 patients living in remote areas who have available space in
15 their homes for hemodialysis will have the opportunity to have a
16 trained caregiver work with them. These patients may also use
17 the screenings offered by the National Kidney Foundation and be
18 referred to the nearest chronic kidney disease clinic for
19 treatment and monitoring.
- 20 (d) The purpose of this Act is to appropriate funds to
21 support the modified home care and community health
22 demonstration project for chronic kidney patients.



1 SECTION 2. There is appropriated out of the general
2 revenues of the State of Hawaii the sum of \$1, or so much
3 thereof as may be necessary for fiscal year 2007-2008, and the
4 same sum, or so much thereof as may be necessary for fiscal year
5 2008-2009, as a grant pursuant to chapter 42F, Hawaii Revised
6 Statutes, to the St. Francis Healthcare Foundation to support
7 the modified home care and community health demonstration
8 project.

9 The sums appropriated shall be expended by the department
10 of health for the purposes of this Act.

11 SECTION 3. This Act shall take effect on July 1, 2007.



Report Title:

Chronic Kidney Disease; Modified Home Care & Community Health
Demonstration Project

Description:

Makes an appropriation for a grant pursuant to chapter 42F,
Hawaii Revised Statutes, to the St. Francis Healthcare
Foundation to support the modified home care and community
health demonstration project to address chronic kidney disease,
particularly end stage renal disease for patients living in
remote areas of the State. (SD1)

