



Historically.....

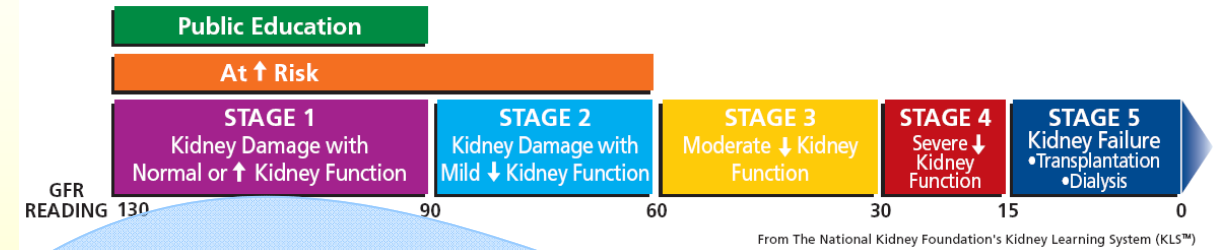
Kidney Disease = Kidney Failure

By 2000 the National Kidney Foundation had clearly defined the stages of CKD, opening the door for earlier identification and more effective intervention

CKD

- ⇒ Chronic Kidney Disease (CKD) is a worldwide health problem
- ⇒ One out of every nine adult Americans has CKD or is at risk for it and doesn't know it
 - ⇒ In Hawaii, 1 in 7 individuals are at risk
- ⇒ Data from the Renal Network demonstrates that CKD in Hawaii is 30% higher than the national average
- ⇒ Those of Native Hawaiian, Pacific Islander, Japanese and Filipino ethnicity are most at risk
- ⇒ Diabetes and hypertension are the two leading causes of CKD
 - ⇒ Additionally, CKD has a multiplier effect for these two major public health problems
- ⇒ There are no signs or symptoms until 70% of kidney function is lost. CKD is a silent killer
- ⇒ Individuals with CKD are far more likely to die than to actually reach kidney failure
- ⇒ Most healthcare professionals are unaware of the magnitude of the problem
- ⇒ The need for a statewide system to improve the early identification and treatment of CKD

FIVE STAGES OF CHRONIC KIDNEY DISEASE (CKD)



NKF of Hawaii GFR Alliance
Statewide GFR Initiative
Standardized Early Detection and
Intervention for the Prevention of
Chronic Kidney Disease in Hawaii

The NKFH GFR Alliance is a collaborative of community stakeholders dedicated to the development and implementation of a statewide CKD prevention initiative.

2004

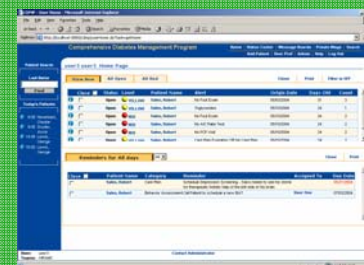
- ⇒ Initiation of NKFH GFR Alliance
- ⇒ Creation of CKD Algorithm

2005

- ⇒ Automatic GFR reporting initiated
- ⇒ Informational brochure distributed to physicians and community partners
- ⇒ CKD Talks for medical professionals
 - ⇒ Medical Conferences
 - ⇒ Physician dinners
 - ⇒ Grand rounds
 - ⇒ Face-to-face visits
 - ⇒ Focus group meetings
- ⇒ CKD Awareness and Early Detection Initiative
- ⇒ Public awareness television campaign
- ⇒ Received NKF award for Comprehensive Excellence in Professional Education

2006

- ⇒ CDMP-CKD data management system implementation initiated
 - ⇒ Data repository
 - ⇒ Patient management system



2007

- ⇒ First CKD clinics open in Hawaii
 - ⇒ Liberty CKD clinic opens in Maui
 - ⇒ FMC CKD clinic opens at Pearlridge, O'ahu
 - ⇒ Molokai Clinic

The best is yet to come ...

Please turn this over to see the Strategic Plan For 2008 and beyond

NKFH has redefined CKD in GFR Teams and Goals

National Kidney Foundation of Hawaii GFR Alliance Members

Abbott Renal Care
 Amgen
 Astellas
 Clinical Laboratories Services
 Diagnostic Laboratories Services
 Estenda Solutions, Inc.
 Fresenius Medical Services
 Genzyme
 Hawaii Association of Diabetes Educators
 Hawaii Medical Services Association
 Healthways
 Kaiser Permanente
 Liberty Dialysis (St. Francis)
 NKFH
 Olomana Marketing
 OrthoBiotech
 Roche Laboratories
 State of Hawaii Department of Health
 University of Hawaii—
 John A. Burns School of Medicine
 Ramona Wong, MD and other nephrologists

Outcomes

- ⇒ Increased understanding of community needs to best tailor NKFH community programs
- ⇒ Increased professional and community awareness
- ⇒ Fewer patients with CKD
- ⇒ Increased early CKD identification and intervention
- ⇒ Healthier CKD patients
- ⇒ Slowed progression of CKD
- ⇒ Fewer patients with kidney failure, i.e., needing dialysis or transplantation
- ⇒ Reduced mortality rates
- ⇒ Reduced long-term healthcare costs

Establish a Statewide Surveillance System

- ⇒ More accurately define CKD prevalence
- ⇒ Identify CKD incidence rates
- ⇒ Measure costs incurred by CKD
- ⇒ Identify CKD comorbidity trends
- ⇒ Clarify CKD mortality rate
- ⇒ Measure and ensure CKD prevention and management effectiveness

NKFH GFR Alliance Project Teams

Leadership Team

- ⇒ Develops goals of the project teams
- ⇒ Initiates action plans
- ⇒ Ensures compliance with Alliance goals

Professional Education Events Project Team

- ⇒ Prepares and delivers educational sessions for medical professionals
- ⇒ Develops and distributes CKD tools and materials.

Public Education Events Project Team

- ⇒ Develops public awareness campaign

CKD Educational Materials Project Team

- ⇒ Develops and distributes CKD educational tools and materials for the patients and general public, etc.

Data Project Team

- ⇒ Establishes statewide CKD surveillance system,
- ⇒ Collects data, maintaining data integrity and monitoring dissemination.

Legislation Project Team

- ⇒ Tracks and coordinates legislative activities

Research Project Team

- ⇒ Explores research opportunities and coordinates CKD research efforts
- ⇒ Convenes community research advisory group experts

Establish CKD clinics to facilitate early intervention

- CKD clinic services:
- ⇒ Chronic disease management and education:
 - ⇒ Kidney
 - ⇒ Cardiovascular
 - ⇒ Diabetes
 - ⇒ Anemia management
 - ⇒ Bone disease management
 - ⇒ Nutritional counseling
 - ⇒ Medication management
 - ⇒ Social worker services

Strategic plan

- ⇒ A statewide collaborative effort dedicated to the early detection and prevention of CKD
 - ⇒ Promote Early Identification of Hawaii's CKD Population
 - ⇒ Establish statewide automatic reporting of GFR
 - ⇒ Establish statewide screening for CKD
- ⇒ Establish a Statewide Data Collection and CKD Surveillance System
 - ⇒ Promote Professional Education Surrounding CKD
 - ⇒ Hold educational CKD sessions for professionals
 - ⇒ Disseminate CKD treatment algorithm and other materials developed using KDOQI guidelines
- ⇒ Increase the practice of early identification and intervention by medical professionals (specifically primary care physicians) throughout the state
- ⇒ Solicit feedback and input from the medical community
- ⇒ Create CKD educational tools and materials for professionals
- ⇒ Promote Public Awareness of CKD
 - ⇒ Develop public message campaign
 - ⇒ Hold educational events for the general public
 - ⇒ Create CKD educational tools and materials for the general public
- ⇒ Develop Advanced Interventions to Improve CKD Care
 - ⇒ Establish CKD clinics statewide (chronic disease care management)
 - ⇒ Establish best practice standards and an evaluation/certification process
- ⇒ Pursue CKD Research Initiatives
- ⇒ Seek CKD legislative action
- ⇒ Encourage National Adoption of the Early CKD Identification and Intervention using the NKFH GFR Alliance Initiative as a Model

Here's what you can do to help:

- ⇒ Provide financial support, underwriting the development and implementation of programs to redefine CKD in Hawaii and throughout the world
- ⇒ Support professional endorsement and involvement from within the medical community
- ⇒ Be a physician champions, if you are able — Physician Champions are key to success
- ⇒ Help secure our access to data enabling the creation of a comprehensive statewide system
- ⇒ Actively support legislative efforts to sustain this effort on a national level

