

Fistula First Initiative Update

Network of New England
Combined MRB/BOD Meeting
Sturbridge, MA
November 18, 2008



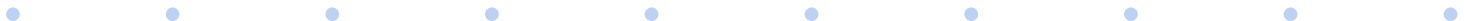
A History of Long-term Vascular Access for Hemodialysis

- AV fistula for use with hemodialysis was first described in 1966
- Prosthetic grafts were developed for patients when autogenous AV fistulae were not feasible
- In the 1980's, permanent catheters became used for “prolonged temporary” access



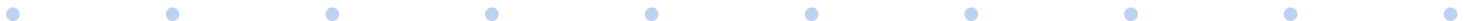
Critical Events in Improving Access Care

- By the late 1990's, mortality for ESRD patients approached 25% per year
- The costs for the ESRD program were approximately \$17 billion to care for 340,000 dialysis patients
- NKF first published the Kidney Disease Outcomes Quality Initiative (K/DOQI) in 1997
- Center for Medicare and Medicaid Services (CMS) developed clinical performance measures based on K/DOQI



Fistula First Initiative

- Recognizing that procedures (and costs) for vascular access were increasing markedly and that access failure was associated with rising morbidity and mortality, CMS and ESRD Networks launched the Fistula First Initiative in 2003 to improve patient care.
 - Unfavorable outcomes were related to:
 - ↓ AVF, ↑ AVG, ↑ Catheters
 - Access type is a major determinant of patient outcomes as well as financial outcomes
 - Most access-related morbidity and costs due to grafts and catheters



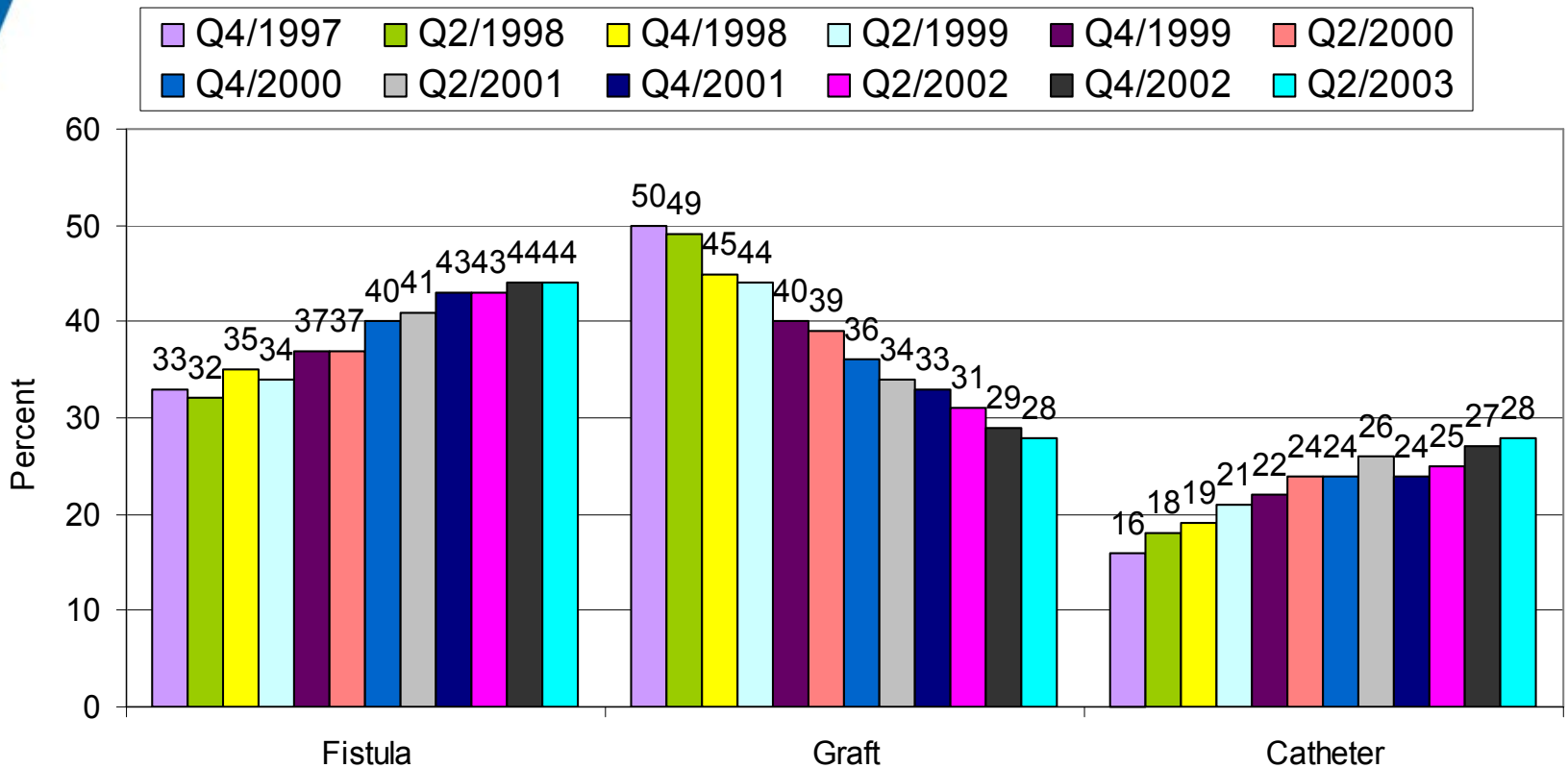
Data

- USRDS reports hemodialysis access failure is most frequent cause of hospitalization among ESRD patients
- Cost of placement and management of vascular access is between \$1 billion and \$1.5 billion per year (CMS 2002)

European Reports

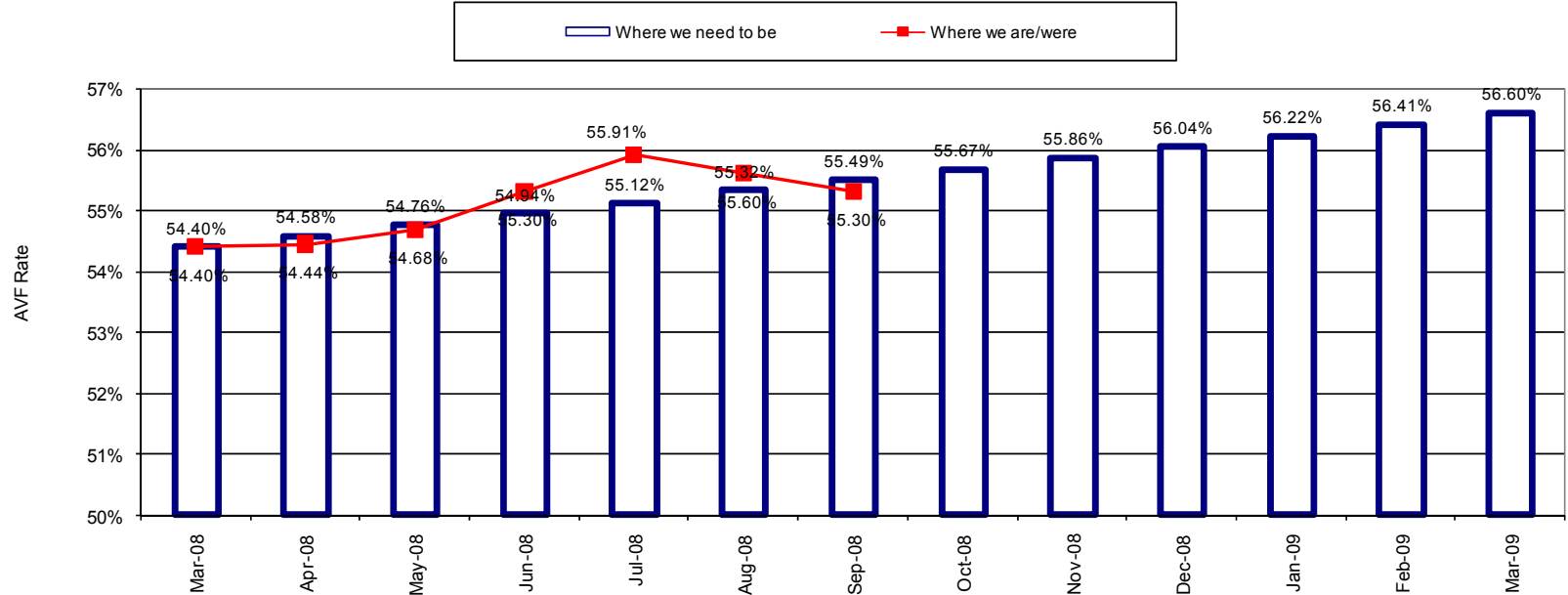
- AVF rates for prevalent patients were 90% in Italy, 84% in Germany, 82% in Spain, 77% in France and 67% in the United Kingdom
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New England's Vascular Access History 1997 to 2003

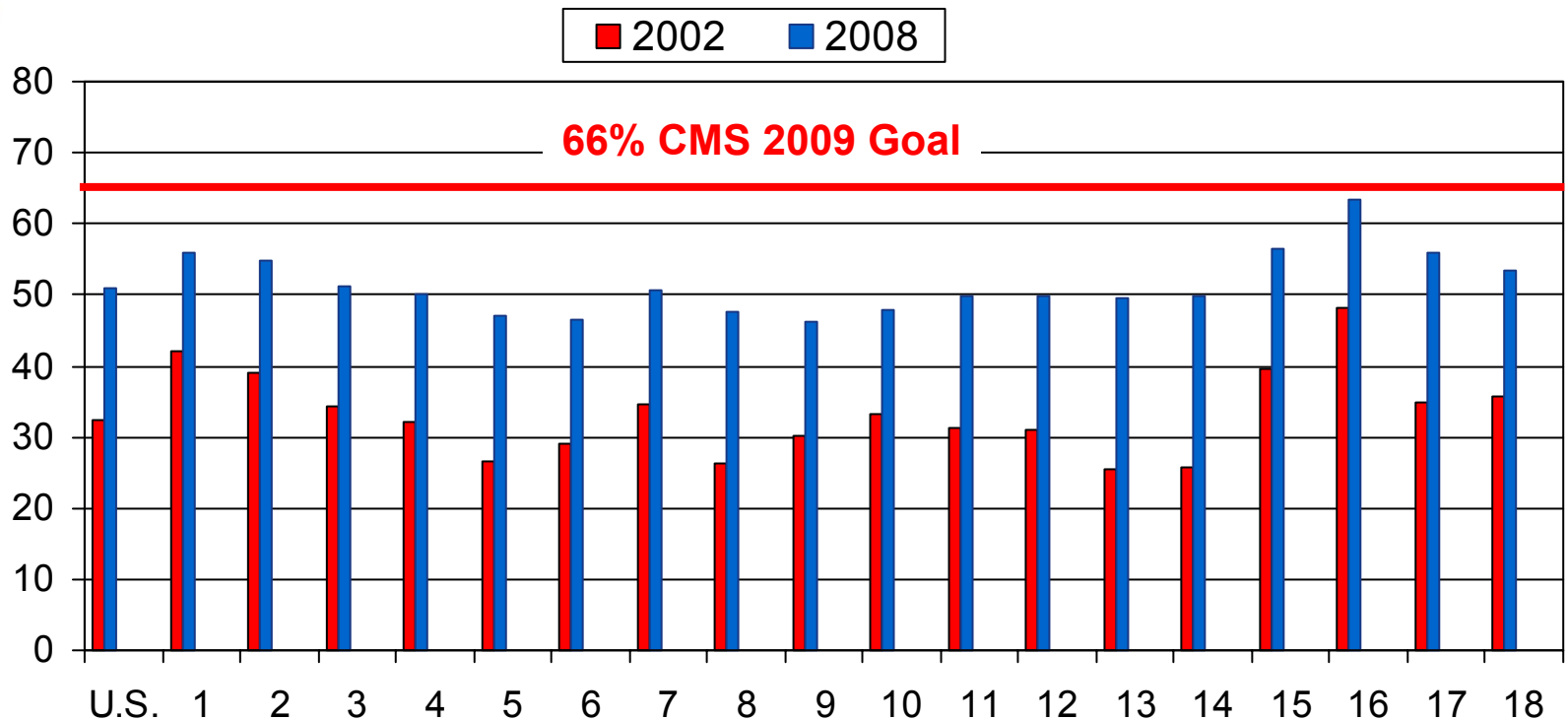


NW 1 AVF Rates: Where We Need to be Each Month to Hit 56.6% Goal

Assuming Equal Growth each Month



U.S. and Network's Prevalent AVF Rates Pre and Post Fistula First Initiative



Source: 2002 CPM Data & 9/12/08 Dashboard

Network Interventions

- On site visits to assist in quality improvement in vascular access management
- Distribution of quarterly data to providers to track progress
- Creation of patient education video on benefits of AVF
- Distribution of tools for staff education on vascular access & cannulation skills
- Educational meetings for nephrologists, vascular surgeons, nurses & patient care technicians

One Clinic's Action Plan

- Create an access team
- Early access education in the CKD clinic
- Educate the ER physicians, medical and surgical house staff, nephrologists – to save non-dominant arms, avoid PICC lines
- CQI tracking tools utilized for each patient's vascular access recording surgeon & all procedures or events associated with access
- Venous mapping for all patients referred for access surgery
- All catheters evaluated for permanent vascular access
- Good communication with the vascular surgeons & interventional radiologist for timely intervention
- Staff cannulation skill periodically evaluated

Everyone has a role in creating successit will take a team effort to reach the goal of 66% for Prevalent AV Fistulas set by CMS for 2009





Fistula First Showcase of Stars



Success Acknowledged

The Network wants to commend clinics that have demonstrated Continuous Quality Improvement for Patient's Vascular Access



- Champion facilities are clinics that have had a 66% AVF rate or greater all year
- Exceptional performers have maintained AVF rates of 60% or greater for all 12 months
- Outstanding facilities have shown an improvement of 15% or greater in their AVF rates over 12 months



Champion Facilities

≥ 66% Consistent AVF Rate All Year

- VA Medical Center -Togus
- FMC Coastal Dialysis
- VA Medical Center-Boston
- FMC Framingham
- DaVita-Salem Northeast
- FMC-North Shore Regional
- FMC-New Hampshire Kidney Center
- FMC-Manchester Kidney Center
- FMC-Somersworth Dialysis Center
- ARA Dialysis Center West Warwick
- ARA Dialysis Center Providence
- ARA Dialysis Center East Providence



Exceptional Performers ≥ 60% Consistent AVF Rate All Year

- FMC-Portland
- FMC-Biddeford
- FMC-Casco Bay Dialysis Facility
- FMC-Damariscotta
- DCI-Skowhegan
- DaVita-PDI Fitchburg
- FMC-Seacoast
- DaVita-Nashua
- FMC-Lancaster
- DSI-North Providence
- ARA Tiverton



Outstanding Improvement ≥ 15% Increase in AVF Rate in 12 Months

- DaVita-Windham
- FMC-Damariscotta
- FMC-Umbagog
- Lincoln Lakes Dialysis Center
- FMC-Cape Cod
- DCI Boston
- FMC-Yankee
- FMC-Falmouth
- FMC-Billerica
- FMC-Newburyport
- ARA Cranston
- Martha's Vineyard Dialysis Clinic



Congratulations to all the recipients.

Let's make the
awards list
even longer
next year!



Fistula First Information and Tools

- Visit the National Fistula First Project Website at: [http:// www. fistulafirst.org](http://www.fistulafirst.org)
- Visit the Network Website at: <http://www.networkofnewengland.org>
- Call the Network of New England for CQI assistance at: [203-387-9332](tel:203-387-9332)

