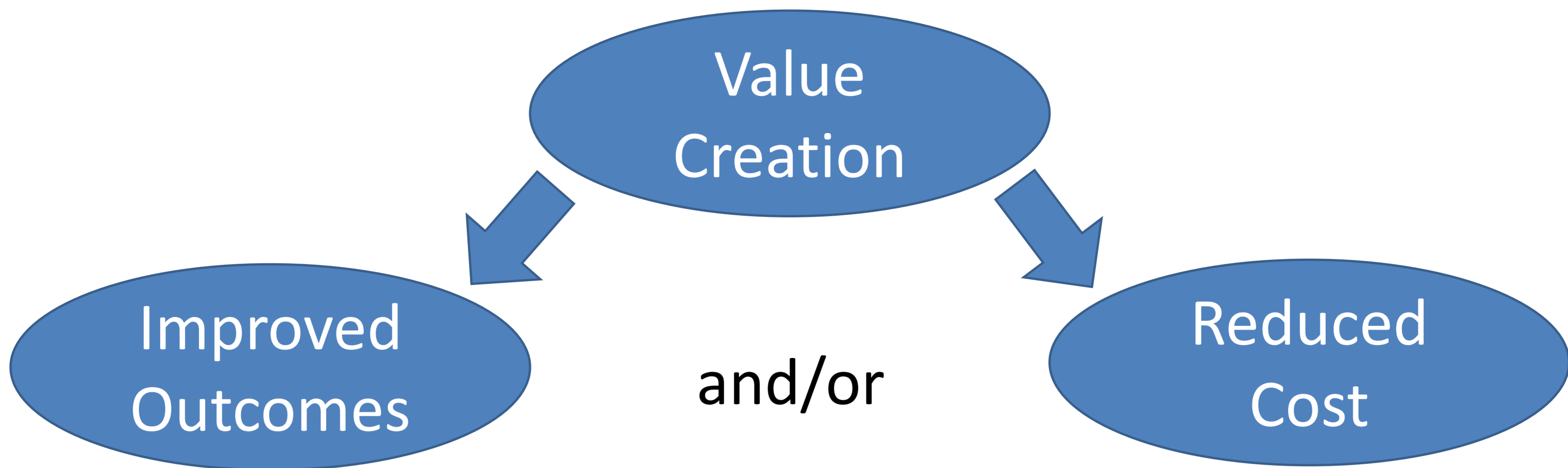


A Vascular Access Clinical Pathway

An Example of Value Based Healthcare

Richards, M, Ncgobo, T, Jaranay, A, Delgado, A, Richards, N



Value Creation in Health Care

Background

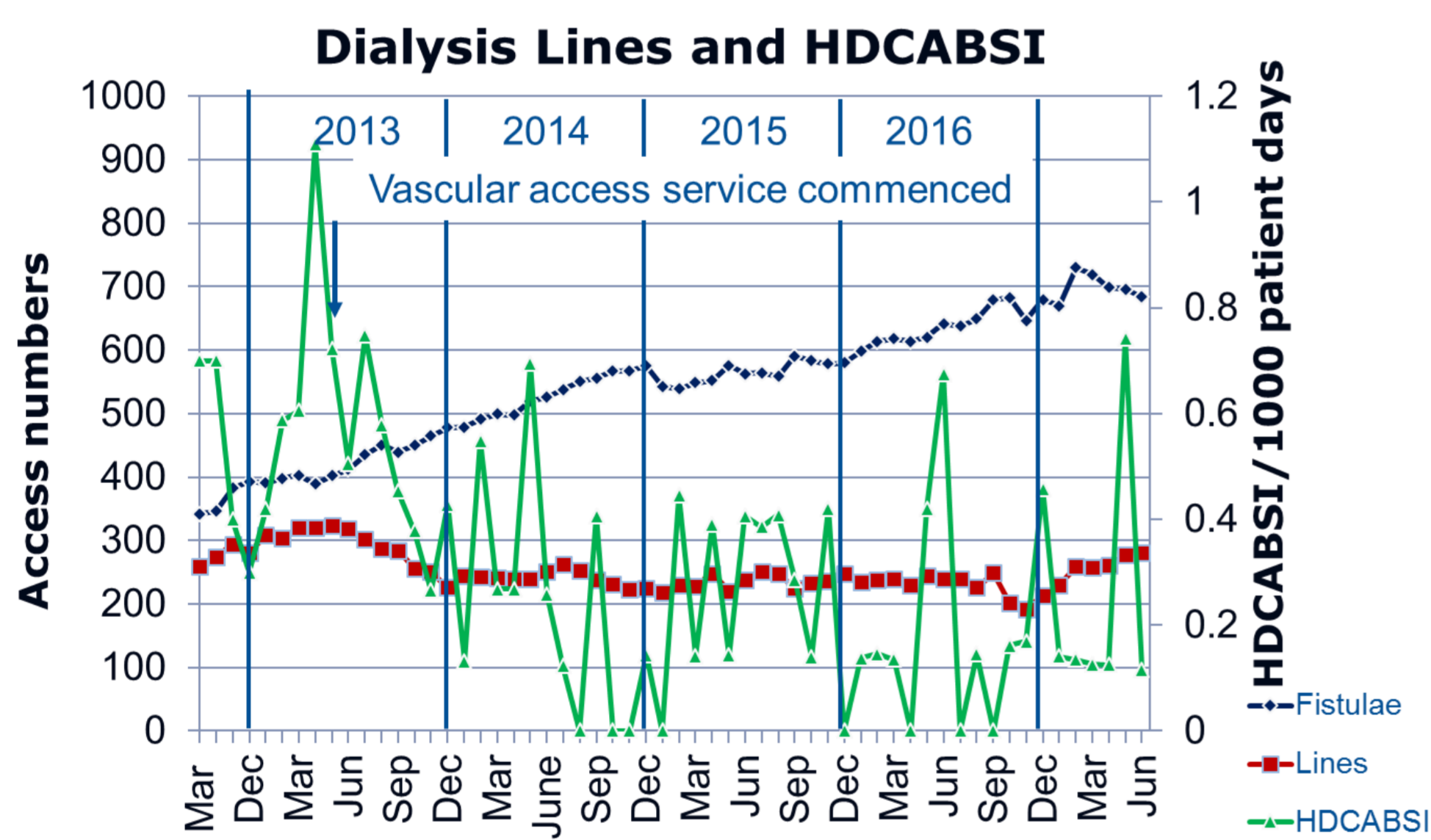
Value added in health care is defined as improved outcomes at the same or reduced cost. Historically in Abu Dhabi 50% of patients were treated with a dialysis catheter and 2% of patients had a fistula at first dialysis.

Objectives

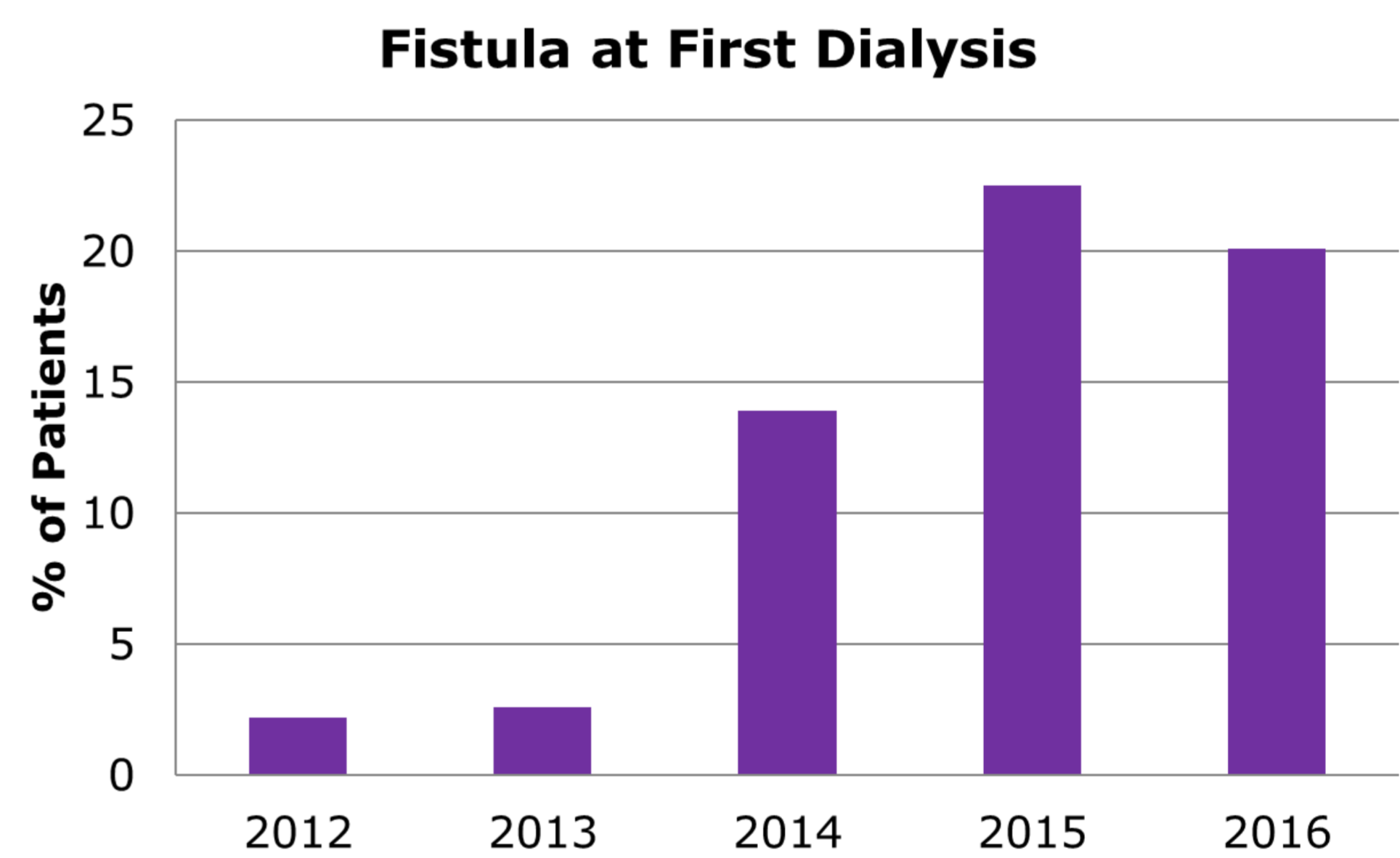
To evaluate a nurse led vascular access clinical pathway in terms of patient outcomes and cost.

Methods

A nurse led clinical pathway for vascular access was developed and implemented in June 2013. Vascular access clinics with direct nurse referral, and link nurses, were established in the main dialysis units. Following its introduction we monitored the prevalence of fistulae and grafts, the prevalence of fistula at first dialysis and the prevalence of haemodialysis catheter associated blood stream infections (HDCABSI). Cost savings were calculated from published data and the local cost of catheter locking solutions.



High quality care at reduced cost
 > AED 1 Mill PA in locking solution alone
 AED 3.5 – 5.5 Million in reduced admissions



A patient starting dialysis (USA) with a line incurs
 AED 100,000 additional cost in year 1
 This equates to AED 17,000,000 saved in 2015/6

Conclusion/Application to practice

This nurse led clinical pathway has dramatically added value to the health care system.