



Indian Association of Cardiovascular
and Thoracic Surgeons

THE INDIAN PERSPECTIVE

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Past President Indian Association of
Cardiovascular
and Thoracic Surgeons

67 yrs of Independence



- 1.2 billion population.
- 50% under the age of 30 yrs.
- Diabetes, Smoking , HTN
- Per capita health expenditure : **\$150.00**
USA : \$8000.00

Since 1947

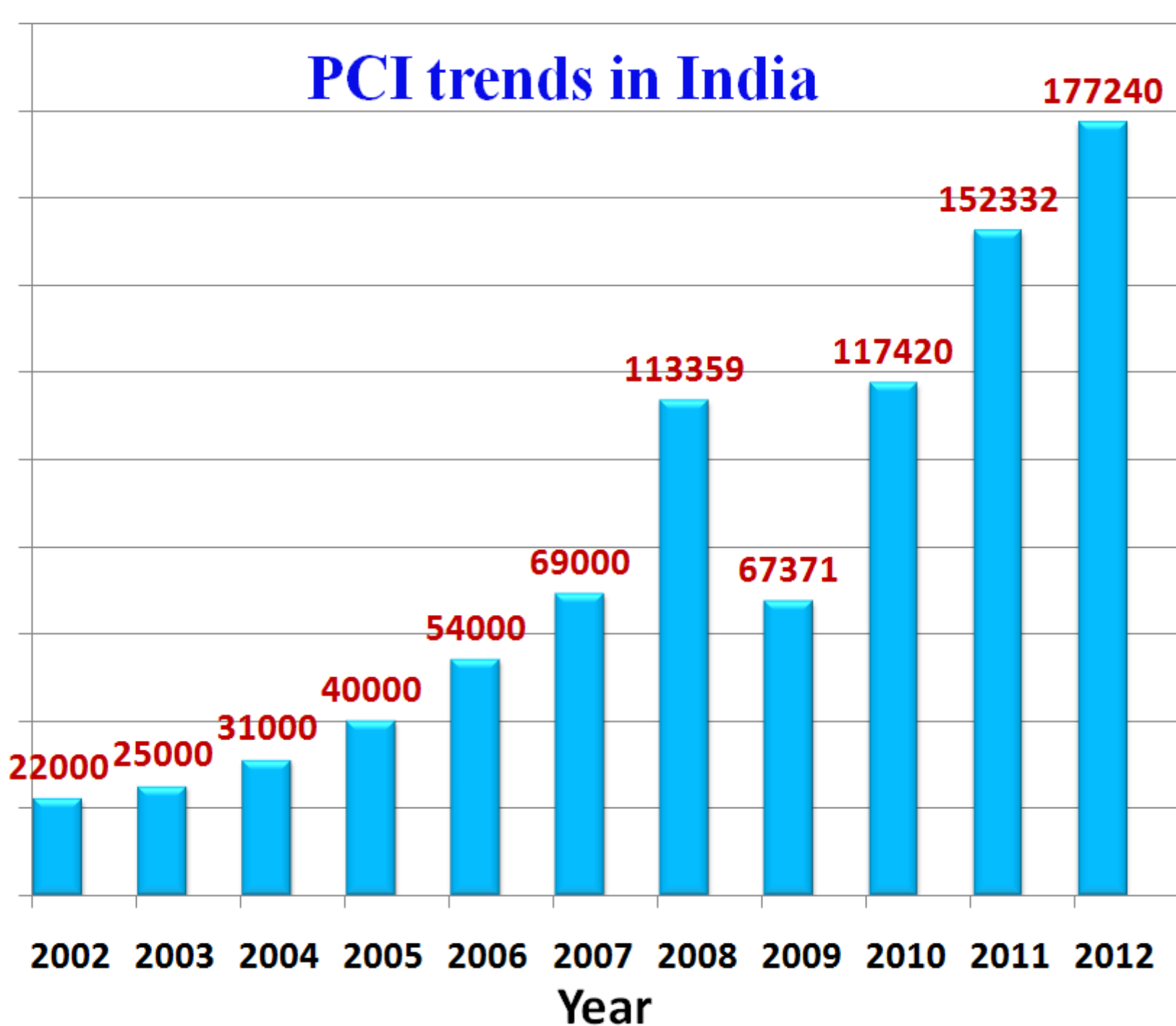
Life expectancy inc from 35 to 65.

Cardiac Surgeons 30 to 1,500

Cardiac Surgeries : 140,000/ yr (2013)

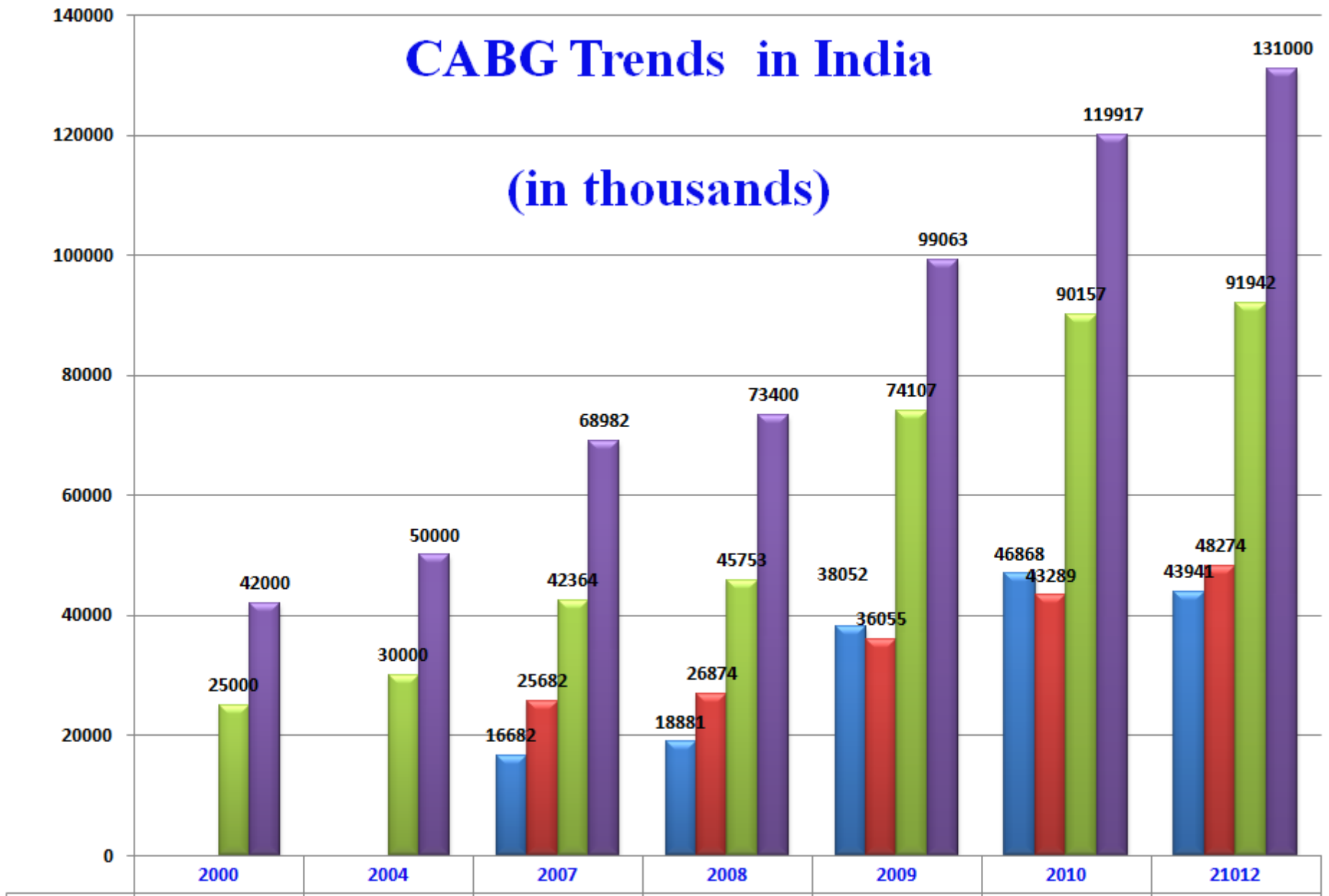
Number of Coronary Interventions

PCI trends in India



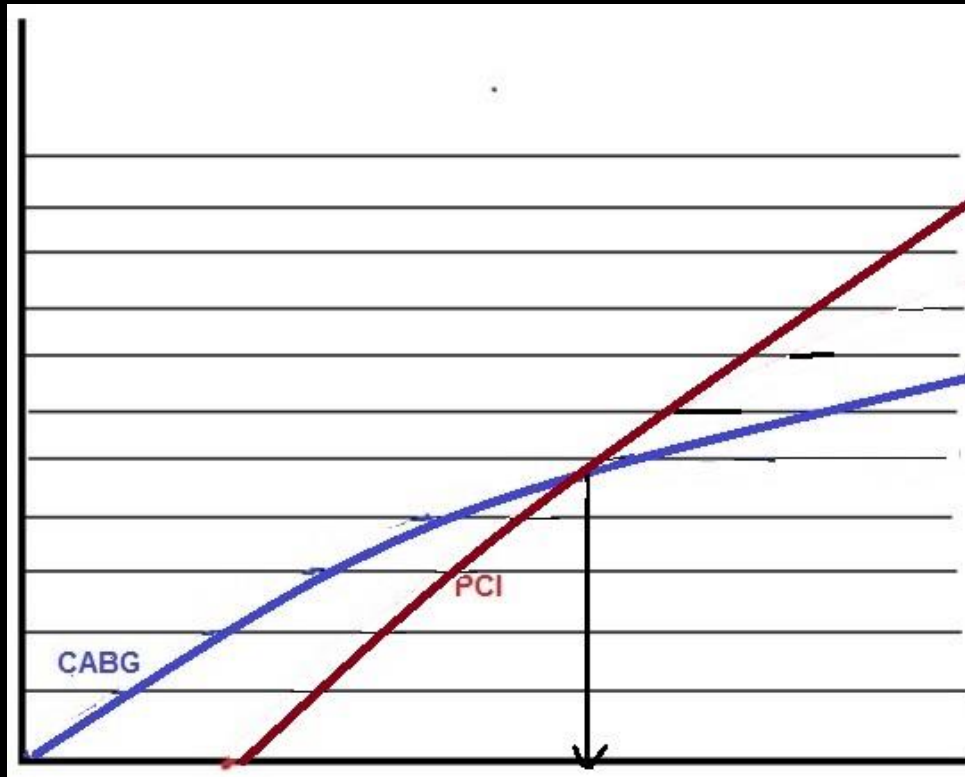
CABG Trends in India

(in thousands)



2014 - 160,000. CABG - 115,000 CAGR - 12 %

INDIA

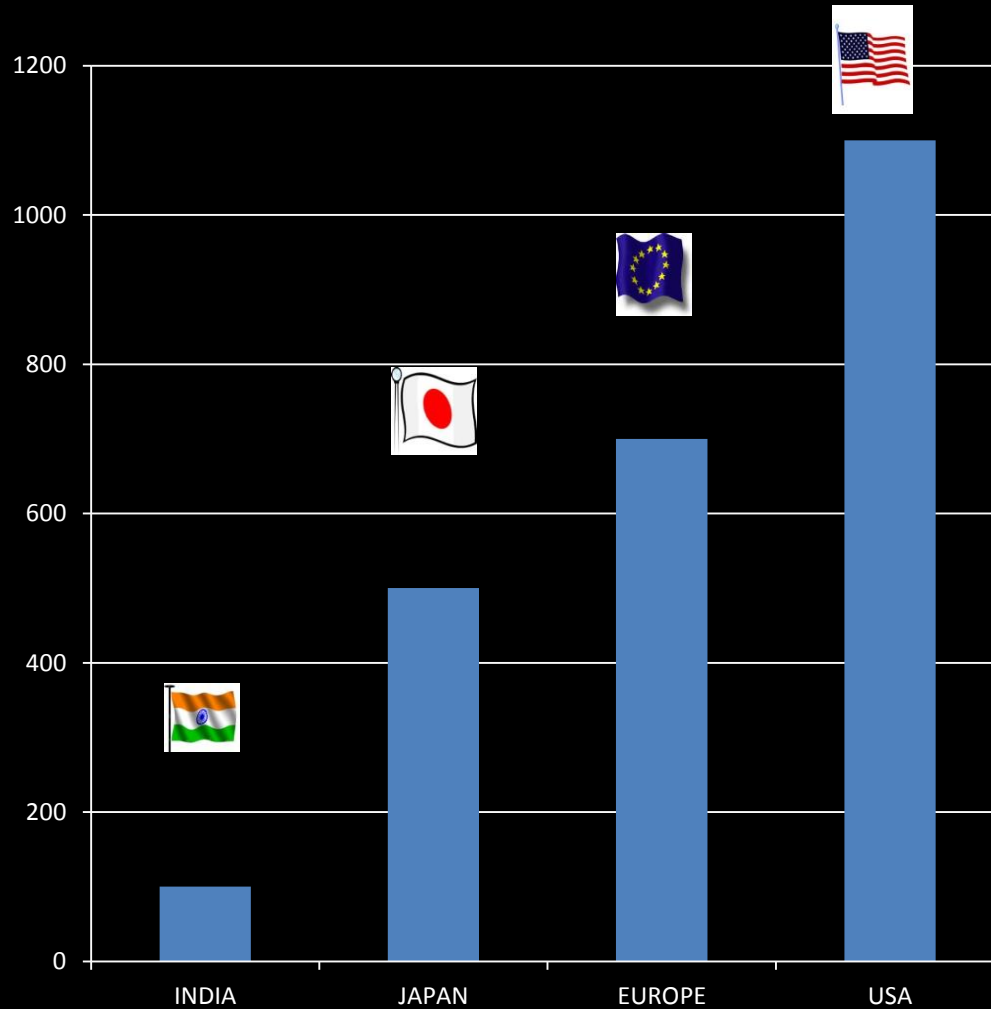


**CURRENT
RATIO**

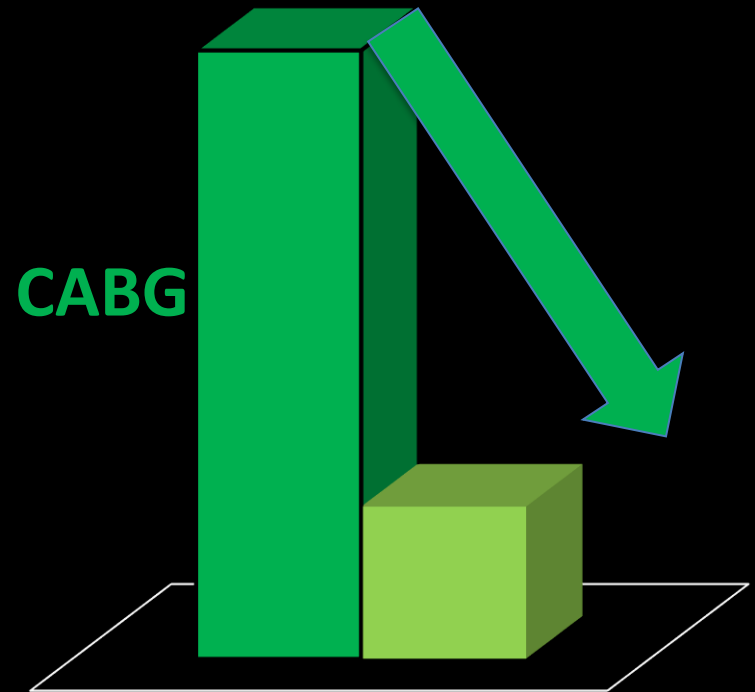
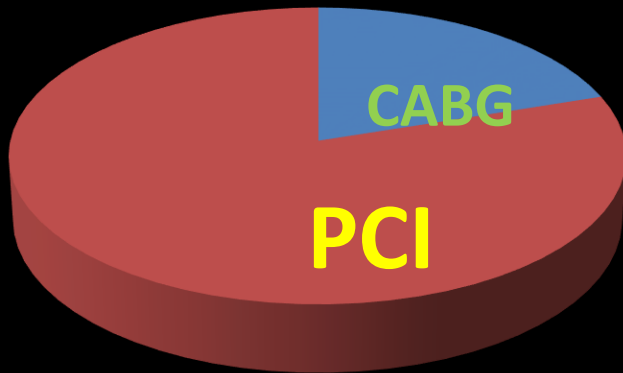
2.5 : 1

2007

CARDIAC SURGERY PER MILLION POPULATION



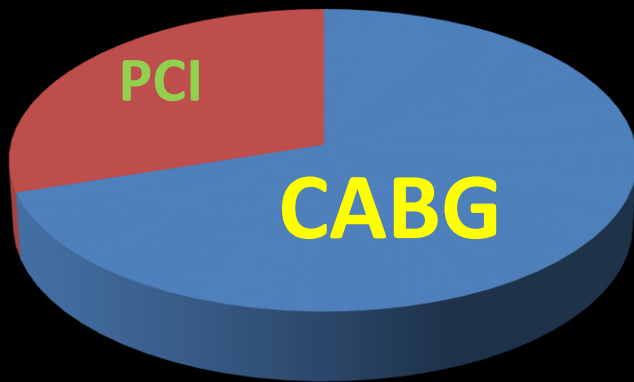
WESTERN SCENARIO- FALLING SHARE IN A FIXED POOL



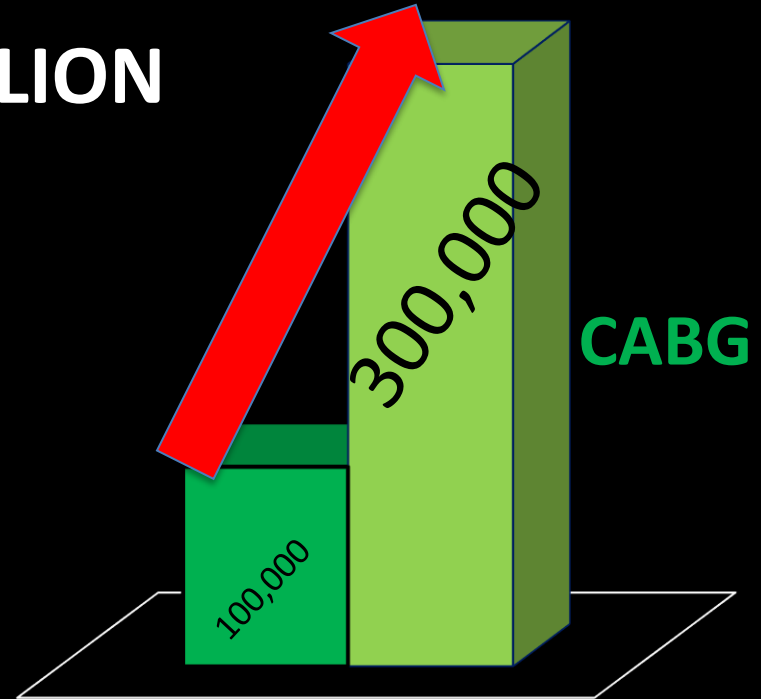
DECREASING PREVALENCE
WITH
MAXIMUM DETECTION
DEC POPULATION

INDIA – FALLING SHARE IN AN EXPANDING POOL

@ 300 / MILLION



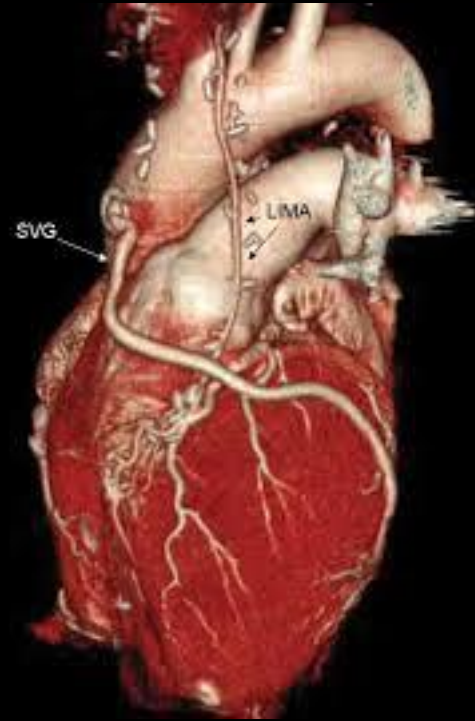
CABG 70%
PCI 30%



INCREASING PREVALENCE
INCREASING DETECTION
INC POPULATION

CONDUITS

- IMA RATES 80-85%
 - BI IMA RATES <10 %
 - RADIAL ARTERY < 3%
-
- ENDO HARVESTING INFANCY.
 - MIN INVASIVE 500 / YEAR



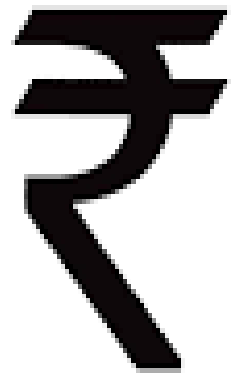
OFF PUMP RATES



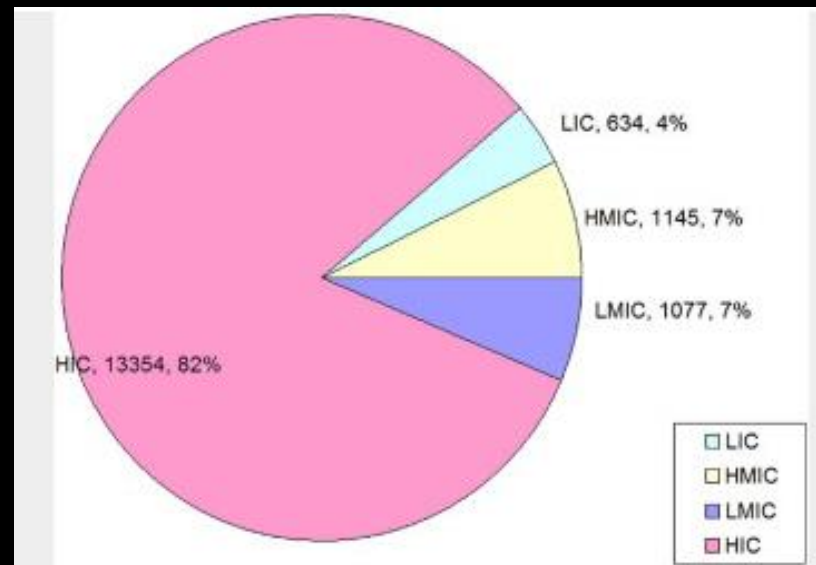
TRAINING
DOUBT
COMPLEXITY OF CASES

Cost containment

- Re-use of Octopus : 25 times. (JCI approved)
- Re use of shunts : 20 times.
- Cost of OFCAB (Med + Disposables) \$ 700
- Cost of Onpump \$1000
- Average revenue \$ 2000.00
- Contribution : \$ 1000.00
- Revenue PCI : CABG = 1: 1.5



ACADEMIC SILENCE



1.5% of publications
5% of trials.

CONCERNS

- LACK OF DATABASE ACTIVITY
- HEART TEAM : SPORADIC
- TRAINING NON STANDARDISED
- WEAK ACADEMIC PRESENCE



NAMASTE.

