



THE CHALLENGES OF INVOLVING PARAMEDICAL IN CLINICAL RESEARCH IN INDIA

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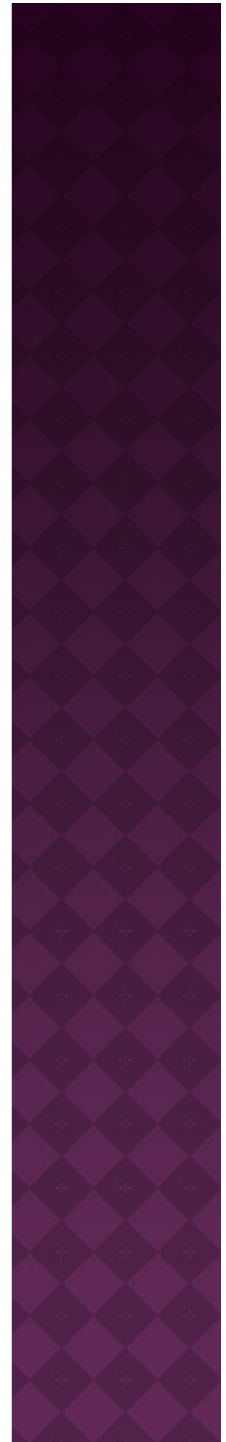
Fortis Escorts Heart Institute

Okhla Road, New Delhi-110025 (INDIA)

PARAMEDICS IN INDIA

- ◉ Phlebotomist
- ◉ Laboratory technician
- ◉ OT technician
- ◉ EMT-A - Fortis has pioneered to commence this course in association with University of Utah, USA

- ◉ Paramedics involved in Clinical Research
 - Nurse
 - Physician assistant

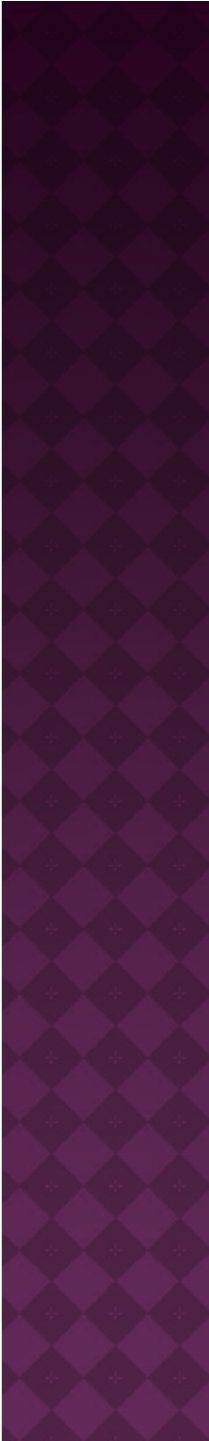


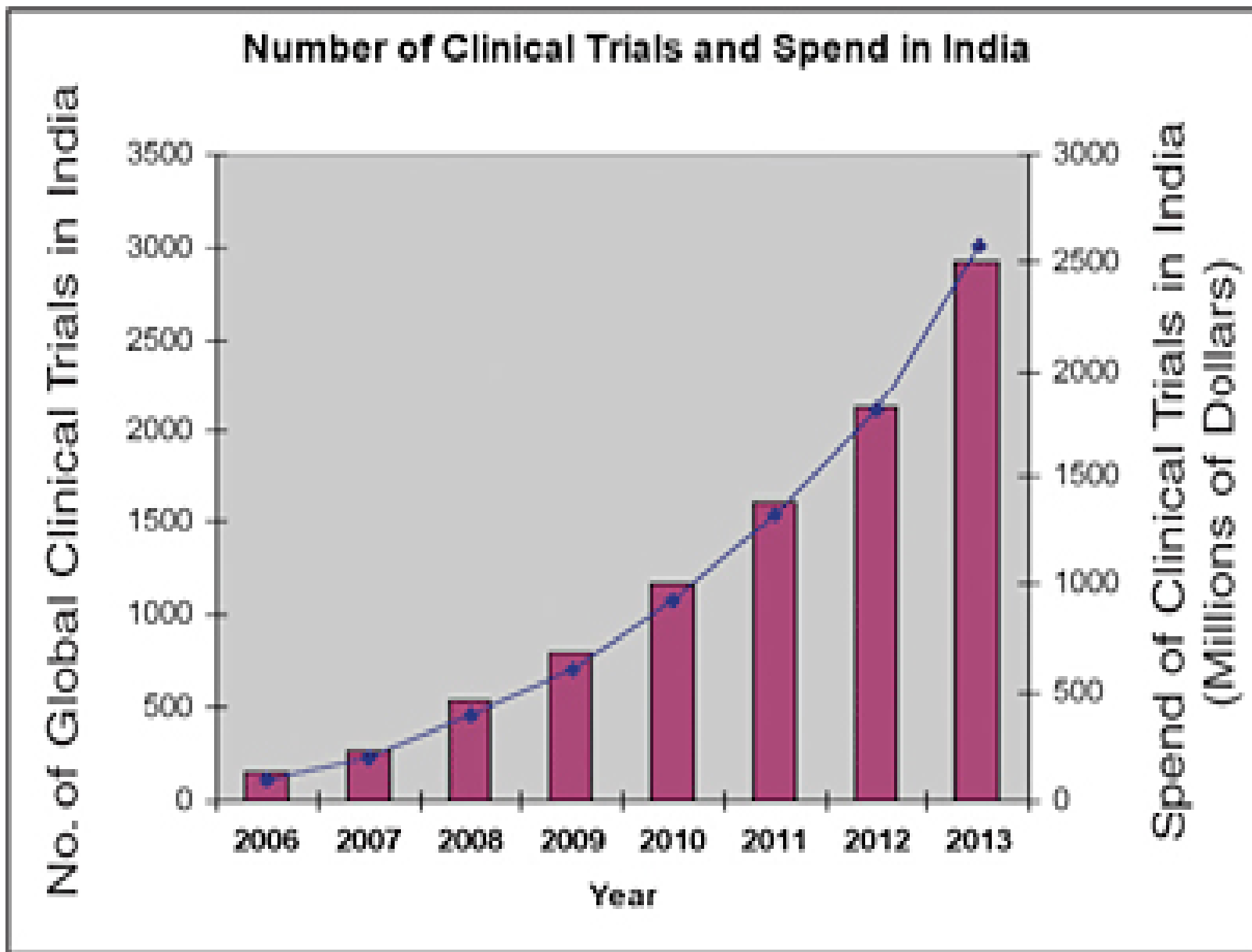
FORTIS HOSPITAL-SNAPSHOT

Total strength of FHL	:75 hospitals
BEDS	: ~ 12,000
Doctors	: 5000
Primary care centres	: 580
Day care speciality centres	: 191
Diagnostic centres	: 210
Talent pool	: 23,000people
Clinical Research trials	: 123
Workforce % (Drs: Nurses: Others)	: 12: 36 :52



FORTIS DEPARTMENT OF CR -STATE OF ART FACILITY



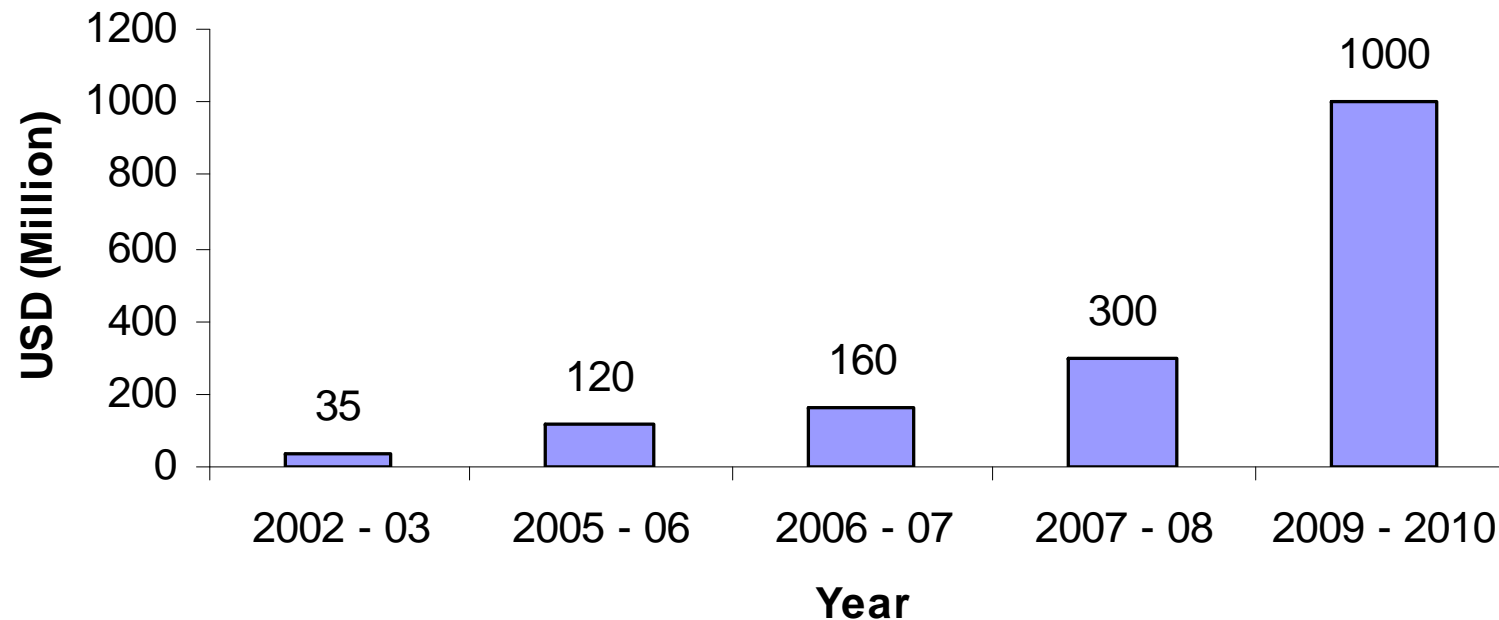


Source: IndiPharm projections based on information from The Boston Consulting Group and Business Communications Co.



GROWTH OF INDIAN CLINICAL TRIAL INDUSTRY

Growth of Indian Clinical Trial Industry



As per FICCI - Ernst & Young Survey Report 2008, India can attract between 5 - 10% of the global contract research outsourced market (all services including chemistry, toxicology and clinical research) over next 5 years.

MCKINSEY PROJECTION OF 5 YEARS :

1500 – 2000 GCP SITES

10,000- 15,000 INVESTIGATORS

50,000 RESEARCH PROFESSIONALS

INFRASTRUCTURE

Medical College

- ~ 300 Medical Colleges
- 15,622 hospitals
- 903,952 hosp. beds

Diagnostic Labs

- 14000 diagnostic labs

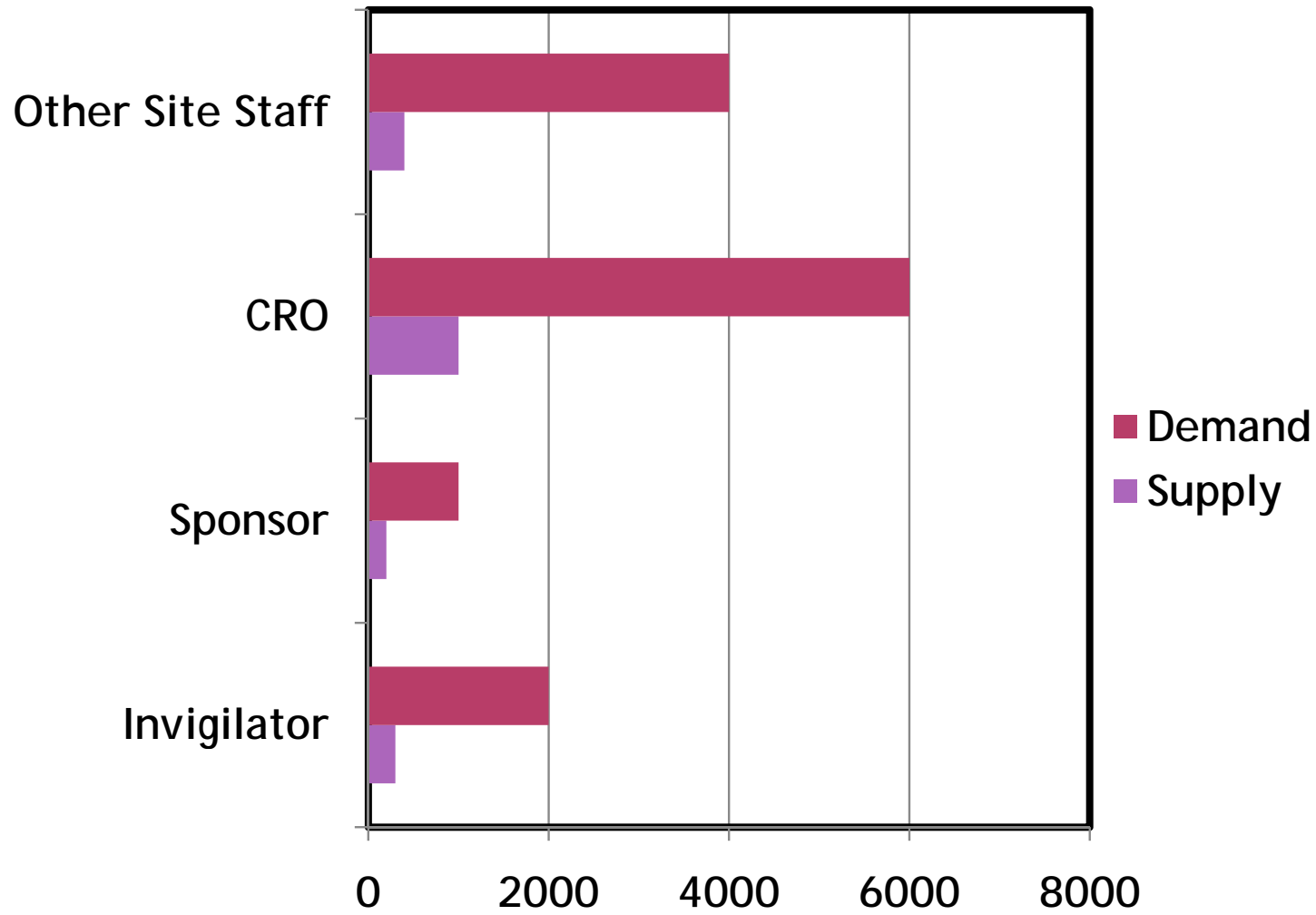
Medical Professionals

- 600,000 Medical professionals
- 700,000 scientists and engineering graduates
- 500,000 nursing, paramedic and support staff

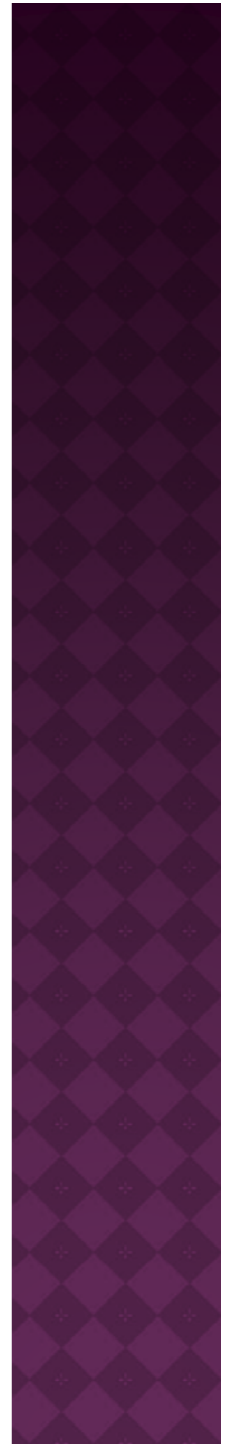
“India: The clinical research hub.”



THE CHALLENGES

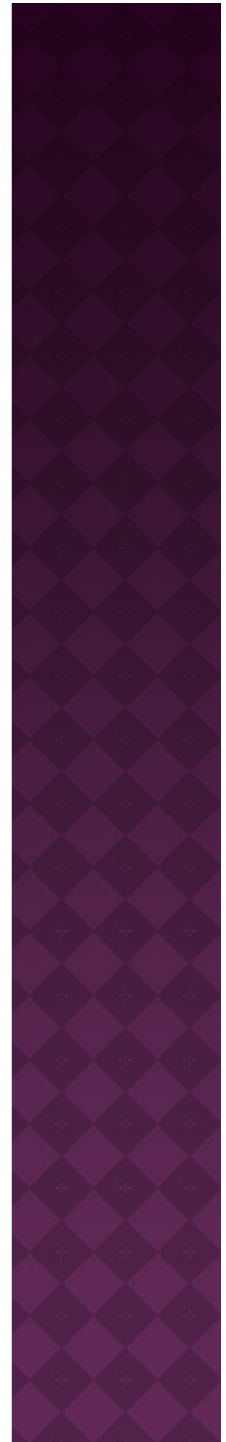


DEMAND - SUPPLY OF CR PROFESSIONAL - 2010 IN INDIA



FACTORS

- Very less involvement of nurses and physician due to lack of awareness
- The involvements are driven by chances and not by choices
- Few teaching institutes, only one dedicated institute exclusively teaching clinical research course (ICRI)
- Still get absorbed as Clinical research nurse without the certifications



CHALLENGES



COMPETENCY FRAMEWORK

Historical Background , Political Influence & Strategies

Policy Development

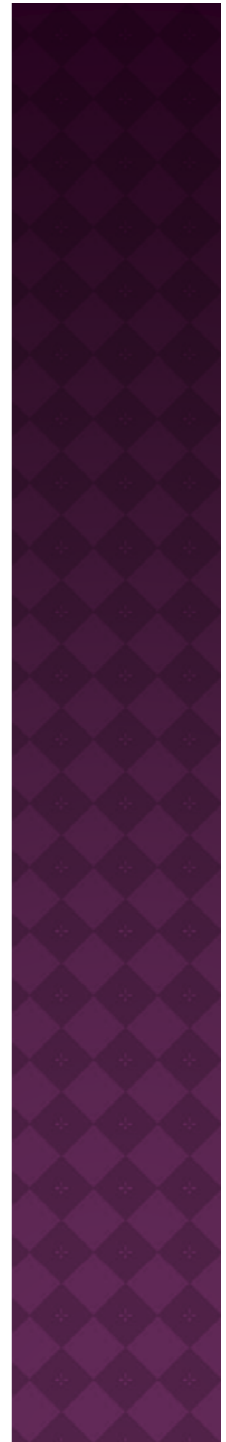
EC - its role & remittance of docs

Principles and practice of Informed consent process

Professional Knowledge & Skill to facilitate efficient, safe and participants focused

Data Handling -Collection, Storage & Completion

Facilitate good delivery of clinical research



THE WAY FORWARD DEVELOPED TO DEVELOPING COUNTRY

