AKOS Health Systems

A Global Company providing Comprehensive Health Environment Software Solutions

Partnering with You
to position your
Healthcare Institution as a Global Leader

WE PROVIDE END-to-END SOLUTIONS

Integrating with what you have

and
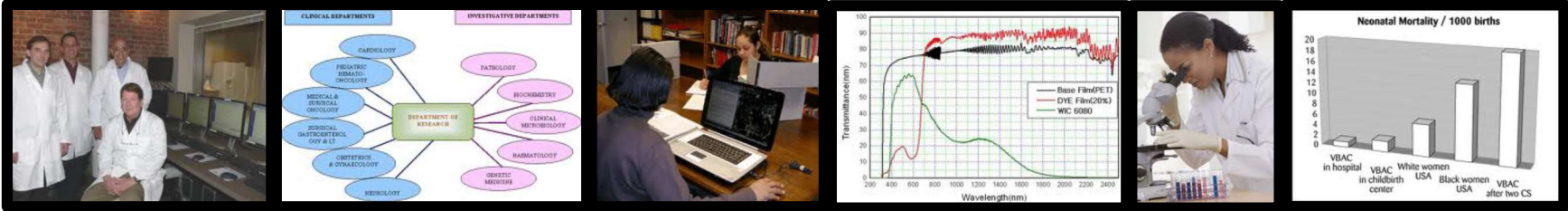
Custom building what you need

Philadelphia   **New Jersey**   **San Francisco**   **Bangalore**   **Boston**

AKOS
- ✓ AKOS puts it all together to create a comprehensive, seamless End-to-End Solution
- ✓ AKOS builds Intelligent Enterprise Resource Planning [ERP] → EMR+HMS+MIS

EMR (Electronic Medical Records), HMS (Hospital Management Systems), MIS (Information Management Systems)

3 *Comprehensive Database + Powerful Query Mechanisms = Your Healthcare Innovations via Robust Outcome Measures and Quality, Process, Cost Improvements in Healthcare*

AKOS builds clinical, financial, purchase, inventory & operations of **Hospital Information System (HIS)** OR *Integrates with Your HIS*, *leveraging existing infrastructure*

2 *HMS + MIS + EMR = Comprehensive Database to manage your Healthcare Institution*

AKOS customizes to your process and enables capture of data from patient physician interactions, patient exams, labs, results, images, diagnoses, medications in user friendly **Electronic Medical Records (EMRs)** OR *Integrates with your existing EMRs …*

1 *At the Foundation is an EMR you can use as part of your process*

AKOS HEALTH SYSTEMS
Better Health. Better Research. Everywhere.™

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AKOS Health Systems is a global health care firm specializing in customized, integrated, seamless software solutions for <u>all Healthcare Institutions</u>: Hospitals, Medical and Dental colleges etc.

Our Vision

Empowering Innovation in Healthcare from the Point of Patient Care

With our emphasis on quality, technology and innovation, we offer world class products & services. Our company's core strength lies in our domain knowledge and expertise in developing **"simple yet powerful software"**

WE harness the power of software to unlock the potential for innovation in healthcare. **W**E empower healthcare providers with **Technology** that reflects their own processes, **Tools** that enable consistent and efficient care through reliable measures of outcomes, performance, safety & patient satisfaction, and **Intelligent Query Mechanisms** that support academic, clinical, pharmaceutical and public health research

Our Mission

AKOS HEALTH SYSTEMS
Better Health. Better Research. Everywhere.™

Driven by a competent and multi-disciplinary team of professionals comprising of management experts, engineers, doctors, scientists, hospital management and administration experts with 250+ years of combined education and experience

Our Core Management Team

Dr. Maheswara Kasinadhuni PhD, ME, MS
Chief Executive Officer
40+ years of International Experience in Fortune 100 companies

Ms. Rathna Prasad ME, MS, MBA (Wharton)
Chief Financial Officer
30+ years of International Experience in Strategy, Entrepreneurship & Management

Mr. Srikar Prasad BA (UPenn)
Chief Operations Officer
5+ years of International Experience in Software Innovations & Process Design

AKOS Management Team Experts

- ✓ Neurosurgeons
- ✓ Pulmonary & Critical Care Physicians
- ✓ Pediatric Medicine Physicians
- ✓ Public Health Policy Experts
- ✓ Attorneys
- ✓ Software & Hardware Specialists
- ✓ Hospital Administrators
- ✓ Sales & Marketing Executives
- ✓ Financial Experts
- ✓ Statisticians
- ✓ Research & Development Leaders

At the TOP

VALUE & REVENUE FROM HEALTHCARE INNOVATIONS & GLOBAL COLLABORATIONS

World Class

World Class Research, Innovations and Publications

Global Reach

International Collaborations & Academic Tie-Ups

Queriability

Powerful Queriability Tools to Facilitate Research & Innovation

Integration

Build/Integrate with Hospital & Information Systems

INNOVATION

USING YOUR DATABASE EFFECTIVELY

AKOS Unique ERP
Enterprise Resource Planning
ERP Factor=EMR+HMS+MIS
We put it all together and partner with you all the way

Flexible

Flexibility to Fit all your needs

Complete

Patient Data, Labs, Images, Referrals Prescriptions

Easy

User Friendly Design Exceptional Training 7X24 Support

Custom

Customized to Fit your Process & your Needs

Getting Started

BUILDING YOUR DATABASE

Your Success is Our Success - Always

The AKOS goal is to create a win-win cycle where research on massive aggregates of reliable patient data enables healthcare innovations that will ultimately benefit human health across the globe

AKOS ERP
ERP→ EMR+HMS+MIS
The Future of Healthcare Starts Here

The AKOS Advantage includes Excellent opportunities for:

✓ Healthcare Innovations
✓ World Class Research
✓ International Publications
✓ Global Collaborations
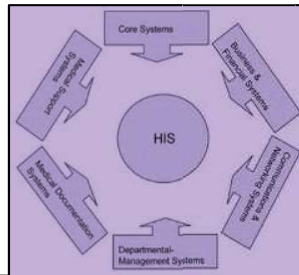✓ Recurring Revenues from access to valuable data for research in pharma, biotech, public health etc.

MIS
Information Management Systems

AKOS software provides powerful Queriability Tools for Innovative Health Research
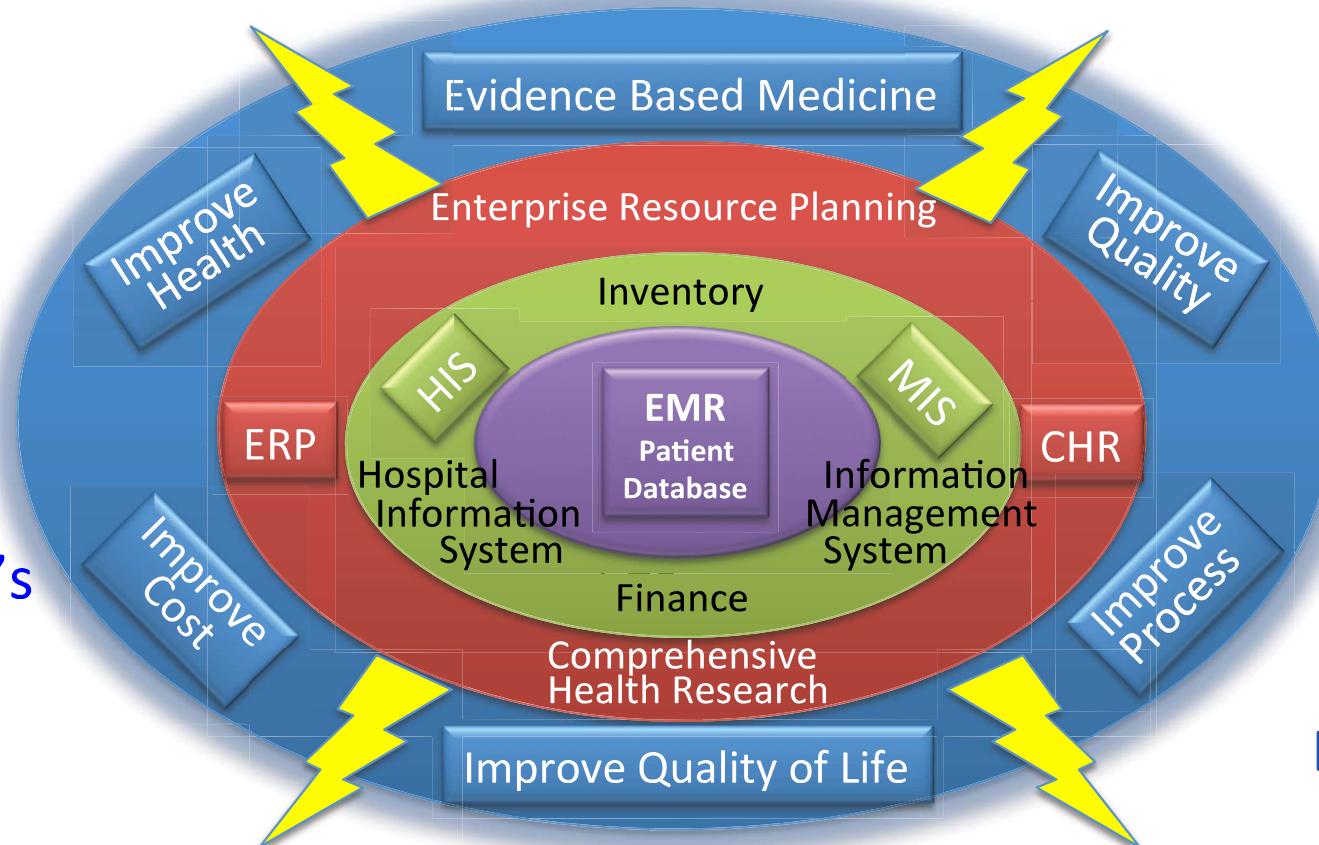
HMS
Hospital Management Systems

AKOS custom builds / integrates with existing Hospital Information Systems to create comprehensive database of clinical, operational & financial data

EMR
Electronic Medical Records

The Physician-Patient interaction is the veritable heart of every healthcare organization. AKOS specializes in building user-friendly mechanisms to capture patient data per the physician's process at the point of care

ERP
Enterprise Resource Planning

AKOS user-friendly custom software captures key clinical data from physician-patient interaction: Patient Demographics, Chief Complaint, History of Present Illness, Prior Medical History, Social History, Family History, Laboratory Tests, Imaging (radiographs, MRI), Diagnosis, Treatment, Medications and Follow-up care

Comprehensive Health Environment Software Solutions [CHESS]

Bridging Today's Medical Care To Tomorrow's Healthy Future

ERP Powering And Linking all the Layers Effectively

Evidence Based Medicine

Improve Health

Improve Quality

Enterprise Resource Planning

Inventory

HIS

MIS

ERP

EMR Patient Database

CHR

Hospital Information System

Information Management System

Finance

Improve Cost

Improve Process

Comprehensive Health Research

Improve Quality of Life

GOOD HEALTH = GREAT LIFE Everywhere™

AKOS Health Systems

Custom Built For You

The Future of Healthcare Starts Here

Better Health. Better Research. Everywhere. ™

HEALTHCARE DATA IS A GOLDMINE

AKOS Creates Immense Value -- Healthcare Data is an Invaluable Resource for Recurring Revenue

- ✓ Drug Research & Biotech companies pay a premium price per patient year data for searches on specific variables

- ✓ **Research is the Heart of the Pharmaceutical Industry**

- ✓ $800B Global Pharma Trade – 90% focus on Research

- ✓ Pfizer spent $50B on Research in 10 years

- ✓ MNC-India Pharma Tie-Ups on the rise

- ✓ AKOS tools facilitate powerful research on massive patient disease databases, and provide a significantly cheaper and more effective methodology to augment limited clinical trials

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AKOS PRODUCT OFFERINGS

- ✓ **FLEXIBILITY, CUSTOMER SUPPORT, COMPETITIVE PRICING** are the HALLMARK Of AKOS USER-FRIENDLY SOFTWARE
- ✓ AKOS Offers Multiple Product Lines to Fit Your NEEDS & Your BUDGET

Built for YOU!

AKOS Value Series

Silver : Spans across all departments with essential information

Gold : Silver + Departmental in-depth information + Billing Investigations (Labs, Biopsies, Imaging, Reports)

Platinum : Gold + Research Modules + Queriability Tools + Academia Modules

Diamond : Platinum + Premium Membership in AKOS Global Alliances for research, publications, recurring revenue

Comprehensive **H**ealth **E**nvironment **S**oftware **S**olutions
CHESS

AKOS

All that matters on the Chessboard is good moves

-- **Bobby Fischer**, Chess Grandmaster & 11th World Champion

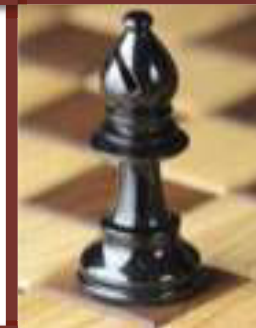**Make the right moves to join the league of World Healthcare Champions**

Achieve World Class Research leading to Breakthroughs in Healthcare

Undertake in-depth analysis of robust patient data

Build a massive database of your healthcare data

Collect hospital operational & financial data

AKOS

AKOS

Collect _all_ patient data via user-friendly software customized to _your_ process

Make the Right Move – Get AKOS to customize a CHESS for you!

It is not possible to become a great player without having learned how to analyse deeply and accurately -- **Mark Dvoretsky,** *Russian* Chess International Master

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- ✓ **FLEXIBILITY, CUSTOMER SUPPORT, COMPETITIVE PRICING** are the HALLMARK Of AKOS USER-FRIENDLY SOFTWARE
- ✓ AKOS Offers Multiple Product Lines to Fit Your NEEDS & Your BUDGET

Built for YOU!

AKOS *Signature Series*

Knight : In-Depth Features for specified departments

Queen : Research + Queriability for "Knighted" departments

King : Premium Membership for "Queen" Departments in AKOS Global Alliances in research, publications, revenue

Chess : Comprehensive Health Environment Software Solution for End-to-end seamless integration across institution

Our Clients

INDIAN PROJECTS

We wish AKOS a very Bright Future …
Dr. Panduranga Setty, President RSS Trust, Leading Industrialist

The AKOS Health Systems Software was unveiled on October, 20, 2009 in a well-publicized ceremony by Dr. Panduranga Setty, President of RSS Trust and Leading Industrialist. The key note address was delivered by Vice Chancellor Dr. Ramananda Shetty in the presence of many invited dignitaries.

Today global competency is possible only by upgrading ourselves with Technology. AKOS software is very meaningful to help us achieve Better Research, Better Health Everywhere…
Dr. Ramananda Shetty,
Vice Chancellor, Rajiv Gandhi University of Health Sciences, 20/10/09

Our partnership with the AKOS Health Systems team has been very productive and useful… Dr. K. S. Nagesh, Principal, July 1 2010

Paper free environment and use of Healthcare Data for Research is great! We must make good use of AKOS in our institutions.
Col. R. Asoka, Registrar & Director, RV Group of Institutions, Oct 20, 2009

NITTE A. B. Shetty Memorial Institute of Dental Sciences

Deralakatte, Mangalore -575018 Karnataka, India

AKOS Health Systems software was unveiled on December 6, 2010 by Professor Dr. Shantharam Shetty, Vice Chancellor of NITTE University

"Other institutions should join hands with this state-of-art AKOS system for Healthcare & Research" ...Principal, ABSMIDS

170,000 patient records
3700 variables in one year

Exciting Collaborative Research

planned between

NEW YORK UNIVERSITY & ABSMIDS

Your software collects quite a sophisticated set of data that is great ... **Dr. Ralph Katz**
B.S., D.M.D., M.P.H., PhD., F.A.C.E.
Professor, Epidemiology & Health Promotion, NYU

Strong Research Potential
Powered by AKOS

JSS DENTAL COLLEGE & HOSPITAL
(A CONSTITUENT COLLEGE OF JSS UNIVERSITY)
ISO 9000:2008 CERTIFIED COLLEGE
S.S. NAGARA, MYSORE - 570015 Karnataka

AKOS collecting custom requirements from JSS

- ✓ AKOS Custom Software Design & Development in progress with JSS Dental College & Hospital

- ✓ Nine departments
- ✓ 1000+ Students & Faculty
- ✓ Training: UG, PG, Interns

- ✓ Project Completion July 2012

AKOS & JSS Signing the MOU

JSS Infrastructure

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AK○S partners with you at the **Global Front**

- ✓ Support Quality Publications to meet International Standards
- ✓ Promote International Collaboration with Leading Healthcare Institutions to position **you** at the Global front
  - – Stimulate Flow of Medical & Dental students
  - – Attract Medical & Dental Tourism
- ✓ Facilitate Pharmaceutical & Biotech Research Company collaborations with Healthcare Institutions to provide access to clinical data for Healthcare Research Breakthroughs

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VALUE ADDED

✓ ***Creates Information Centralization*** across many user groups with various scopes of involvement, authorization and privileges, enabling remote task management. User groups span Attending Physicians, Residents, Fellows, Nurses, Nurse Practitioners, SCI Rehab, Administrators etc.
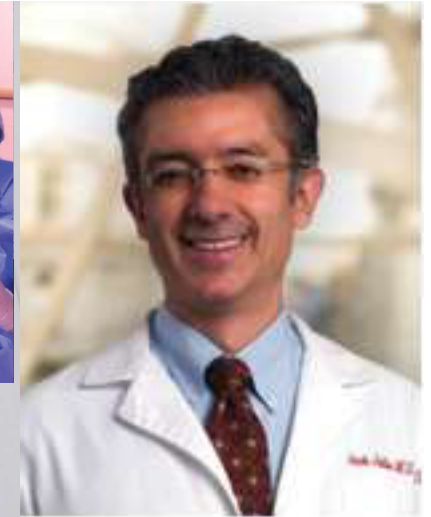
Unlocking Potential

✓ ***Enables Research*** by customizing simple mechanisms to collect disease specific outcomes, triggering compliance alerts, improving IRB protocol compliance and recruitment, and providing powerful queriability tools to enable fast means to interrogate the underlying data

✓ ***Supports Training & Evaluation*** by providing easy means to maintain procedure logs, creating user-friendly mechanisms to ensure accountability and track OR and bedside procedure grades towards an overall GPA

✓ ***Facilitates Administrative Needs*** such as managing daily lists of tasks and appointments, management macros to improve consistency and protocol compliance, easy management of participating providers, tracking of Healthcare Utilization, population characterization (demographics, disease, etc.)

Dr. Jack Jallo
MD, PhD

Professor and Vice Chair for Academic Services

Director, Division of Neurotrauma and Critical Care

This software and the AKOS vision are amazing! AKOS is bringing Healthcare Information Technology into the 21st century   -- Dr. Jack Jallo
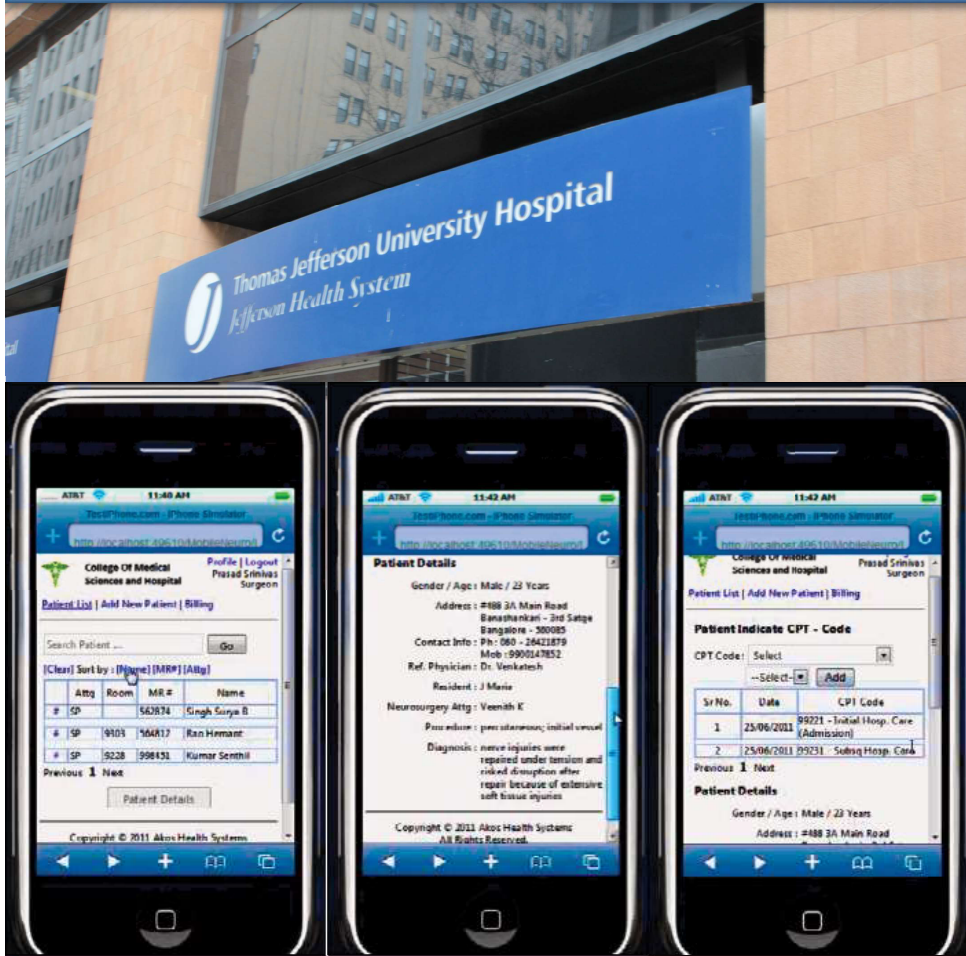
Thomas Jefferson University

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VALUE ADDED

✓ ***Enhances Referral Management*** by facilitating easy-to-use and prompt communication mechanisms with referring and primary care physicians, and improves coordination of post-hospitalization care

✓ ***Promotes Safety*** by enabling protocol enforcement such as DVT prophylaxis/ screening, EtOH PPX, Pain Management, GI PPX, etc., and supports complication monitoring and management via M&M aggregation, etc.

✓ ***Improves Billing and Collection*** through prompt bill generation and transmission, enables Inpatient billing for operative and E&M codes, facilitates insurance analysis and management, and creates algorithmic generation and documentation of the expected language (buzzwords) to speed the process

✓ ***Strengthens Information Exchange*** between inpatient and outpatient task management, minimizes data loss and delay on incidental findings, concurrent pathology etc. and enhances follow-up care

AKOS Software: Fully Supports Evidence Based Medicine

SECURE MOBILE ACCESS NETWORK

I have great hopes for AKOS software. Right now, this is the only software I've seen that makes inputting information easy, verifies consistency for billing, coding and safety, and allows for research on its sophisticated data set.

-- Dr. Matthew Vibbert

Dr. Matthew Vibbert, MD -- Assistant Professor
Neurology: Cerebrovascular/Critical Care
Thomas Jefferson University, Philadelphia

AKOS makes a Huge Impact in AAP Conference in California on October 3, 2010

American Academy of PEDIATRICS

The AKOS Health Systems Software booth at the AAP conference was a huge draw for pediatricians across the world – and was acclaimed for its easy-to-use software and iPad convenience

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THE AMERICAN ACADEMY OF PEDIATRICS

A Pediatri
Built for t

For your
Around you
Within yo

Customized
iPad & Desktop
EMRs

"For Doctors,
By Doctors"™

2000 visitors
50 follow-ups

MNC-INDIA PHARMA TIE-UPS ON THE RISE

PERIOD	MNC	INDIAN FIRM
Mar 2009	Pfizer	Aurobindo Pharma
May 2009	Pfizer	Claris LifeSciences
Jun 2009	Glaxo SmithKline	Dr. Reddy's Laboratories
Jun 2009	Mylan Labs	Biocon
Dec 2009	Hospira	Orchid Pharmaceuticals
Jan 2010	Pfizer	Strides
Mar 2010	AstraZeneca	Torrent
Mar 2010	Aspen	Indoco
Apr 2011	Merck & Co	Sun Pharmaceuticals

Reference: India Today, April 25, 2011

PHARMA RESEARCH

HEALTHCARE DATA

AKOS SOFTWARE

win-win cycle

1.2B people in India : shortage of 2M doctors, 3.5M nurses, 8M paramedics, 1.75M beds

Indian Healthcare Growth Projections: US$100B by 2015, US$275.6B by 2020

(M=Million, B=Billion)

AKOS is leading visionary efforts to harness the staggering growth of Healthcare Data for driving Innovations in Quality of Health while creating Value for Healthcare Institutions
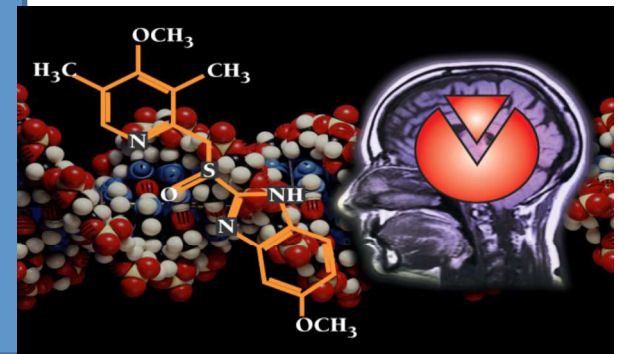
AKOS ▶▶ Tying it All Together❊ To Make Health Better❊ Everywhere™

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AKOS & Pharmacology

AKOS has great synergy with Pharmacology
Tracking Adverse Reactions to Drugs is of Immense Value

- ✓ Prescription module for physicians at point of care
- ✓ Access to formulary: quality drugs & correct dosage
- ✓ Tracks Adverse Drug Reactions (ADR) at point of care
- ✓ Implements ADR triggers to Pharmacovigilance cells
- ✓ Captures data on all drugs prescribed allowing studies on effects of drug interaction
- ✓ Facilitates actual %age of ADR in the entire drug prescription process – **a stunning new possibility of immense value for all studies**

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The Future of Healthcare Starts Here

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New Jersey | Boston | Philadelphia | San Francisco | Bangalore

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Get AKOS to customize a CHESS for you

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