

Create Environment and Culture for Innovation Via A System ---Experience at Jiangsu Province Hospital

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Opportunities

- **Rapid Economic Growth and Huge Market**
- **New Demands: Patients, Pharmaceutical and Device Industries (Local and International)**
- **Economic/Medical System and Political Reforms**
- **Physician Scientists Δ**

Challenges

- **Hospital Structure/Guidelines/Rules**
- **Financial Requirements**
- **Culture and Mind-Set**

Are Chinese Physicians Able To....?

Missions Are Changing

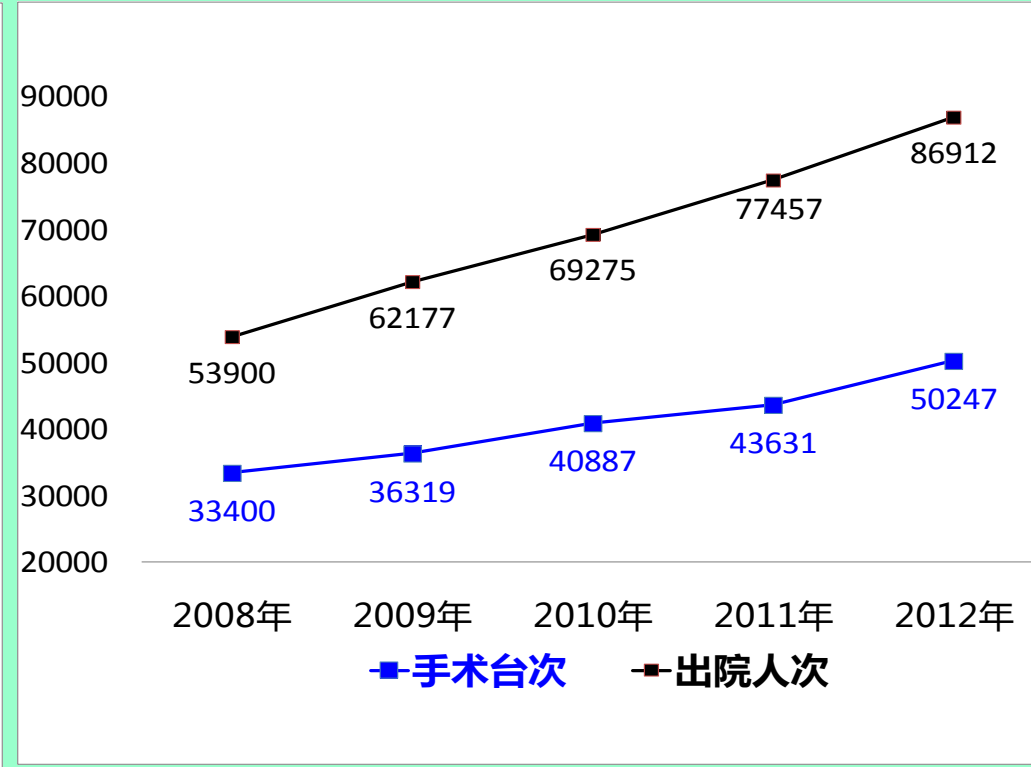
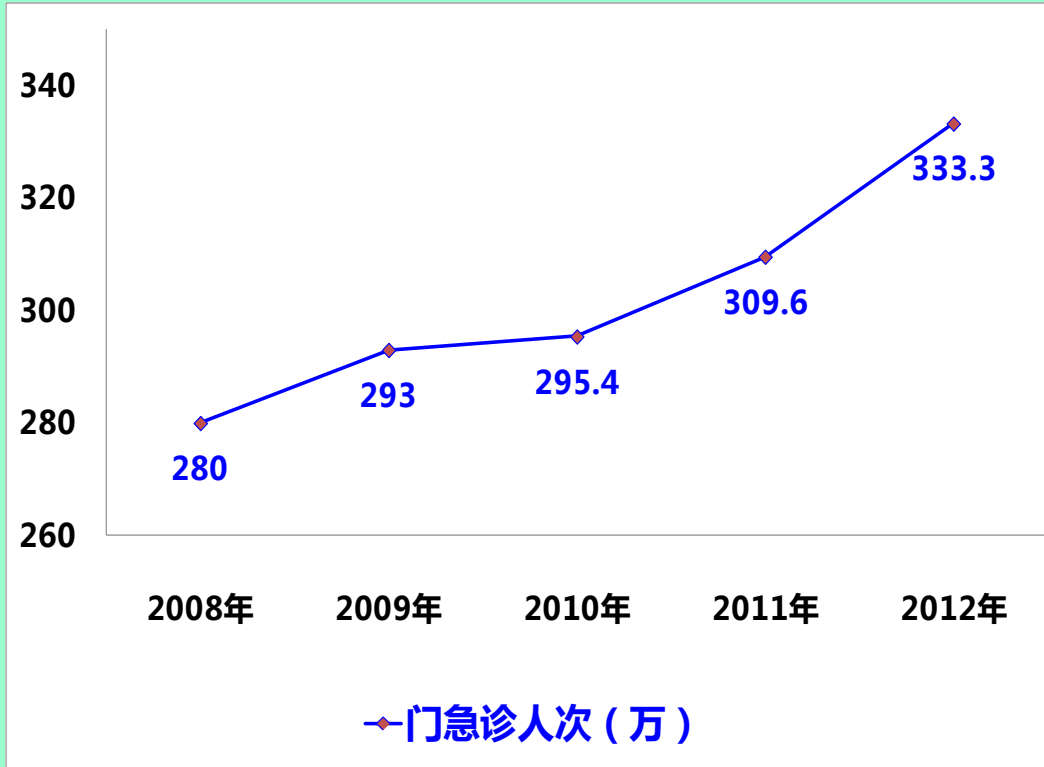
Clinical Service, Teaching $\xrightarrow{\text{Changing}}$

Clinical Service, Teaching, Research $\xrightarrow{\text{Integration}}$

Search Hospital

Example: Jiangsu Province Hospital

Clinical Service



2800 Beds, 4000 Employees

Daily Outpatients: 10-14 K

Research Has Been Ranked as the 3rd in China

Category \ Year	2007年	2008年	2009年	2010年	2011年	2012年
科研项目 (项)	178	188	177	179	143	119
NSF Grants	26	28	45	63	81	81
国家863、973、科技重大专项(项)	10				5	1
奖项 (项)	28	29	31	28	29	32
学术论文 (篇)	1090	1160	1632	1558	1297	1359
SCI Publications	113	129	274	261	263	385
Research Grants In Total (¥10K)	2236	2582	3515	4710	5980	13529
Recruiting Grants (¥10K)	1995	2501	1169	2290	4170	2970

2012:

Drug Trails, 96
Device Trails, 24

In Last Five Years:

Drug Trails for Multi-International companies,
203

Key Measurements for Innovation

- **Research**
- **Innovative physician scientists, teams**
- **IP**
- **Collaborations**
- **Rule for Start-ups**

Purpose: To Create A Culture/Environment for Innovation

Objectives

- New Ideas
- New Patents
- New Therapies
- New Data
- New Entities

Elements of the System

- **Innovation Initiative Teams**
- **IP Guidelines**
- **International Collaborations**
- **Clinical Research Facilities**
- **Rules for Start-up**

Innovation Initiative Teams

- **18 Teams**
- **8 Teams: RMB 1 M/year for 3 Years**
- **10 Teams: RMB 0.5M/year for 3 Years**
- **Multiple Disciplinary: Across Departments**
- **Evidences by Publications and Grants**

IP Guidelines

- **Ownership: 90%, 80% and 60%**
- **Assignment Rights**
- **IP Review Meeting**
- **IP Writing Workshop**
- **Valuation: By An Independent Firm**

International Collaborations

- **Multi Pharmaceutical and Device Companies**
- **Start-up: First-in-Human Studies**

Learn How to Be Innovative

Clinical Research Facility/Team

- **State-Of-Art Clinical Trail Center**
- **Team: Research Physicians and Nurses:**

Sanofi-Jiangsu Province Clinical Search Physician and Nurse Award



江苏省人民医院

JIANGSU PROVINCE HOSPITAL

南京医科大学第一附属医院

The First Affiliated Hospital of Nanjing Medical University

I 期临床试验研究室

Phase I Clinical Trial Unit





I期临床试验病房

Phase I Clinical Trial Ward











Rules for Start-Up Entities

- **Defined Financial Incentives of Inventors**

Close The Loop of A System to Promote Innovation

Can We Catch the Opportunities?

- **Incubators at Science Park**
- **Financial Firm**
- **Start-up Companies**

Thank You!