



Health system and innovation in the Economic and Industrial Health Complex



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Rethinking State Capacities, Public Policies and the Brazilian Crisis**



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1) Background

2) Perspectives of the project Health and innovation system in the Economic and Industrial Complex of Health



Background

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1 Background

Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011

Research Projects: *Actors and Health Policy Trajectory in Brazil* (1988-2006) / *Society, State and Health in Brazil: policy trajectory, users perception and reality of health chances*(CNPq - Cláudia Viscardi) (2007)

***Varieties of Capitalism and Industrial Policy: a comparison between Brazil and Argentina* (INCT-PPED) (2009)**

***Social Welfare, Health and Pharmaceutical Industry* (2011-2012) (INCT-PPED / LSE)**

1 Background

Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 I – General Perspective



To verify the impact of the health system on the conformation of industrial policies directed to the pharmaceutical industry and the potential coalitions among its endogenous actors in order to strengthen or weaken public and universal health systems.

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Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 II – Basic Elements of the Approach

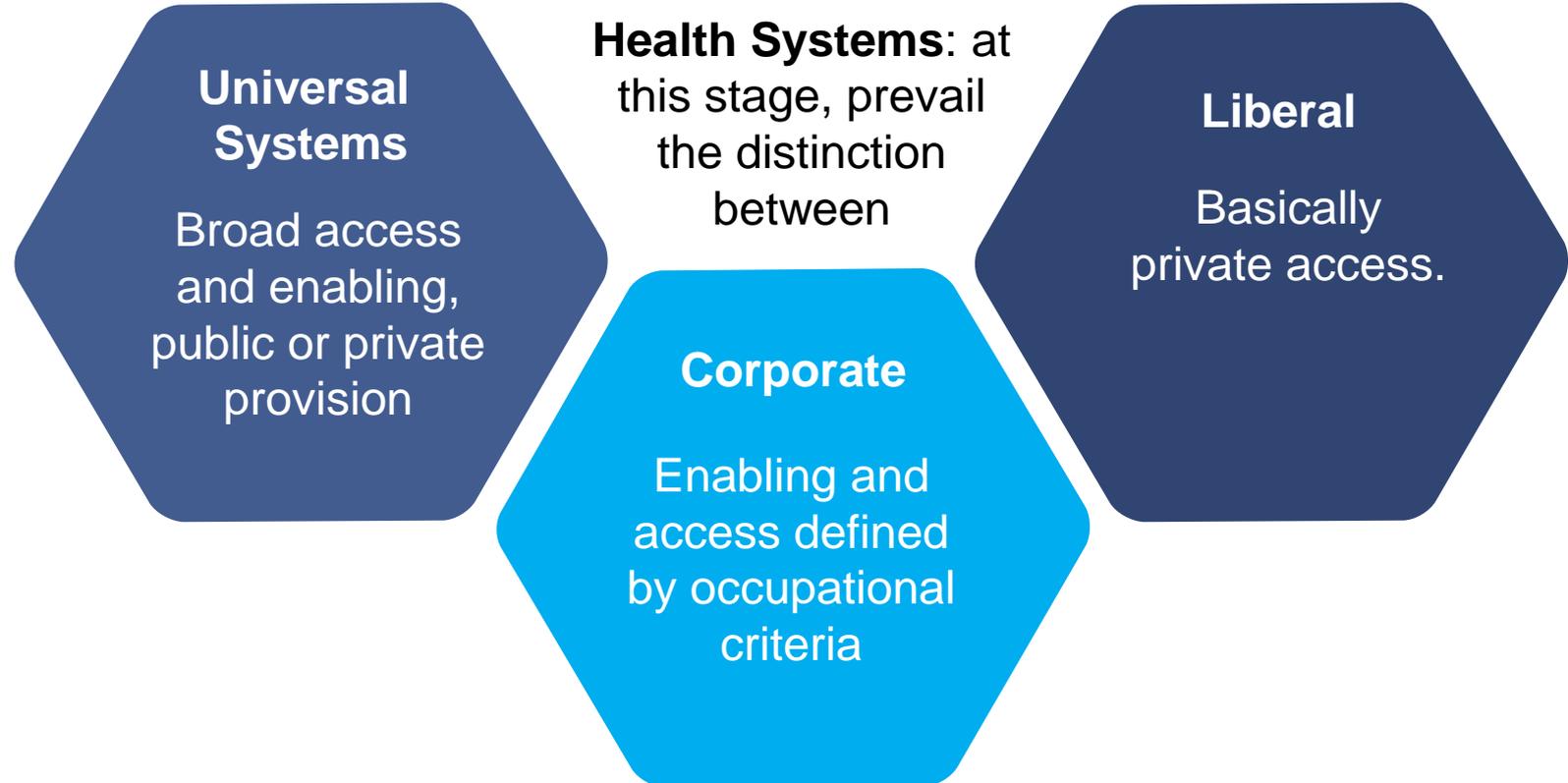
Economic and Industrial Health Complex

Involves "productive activities that maintain intersectoral relations of purchase and sale of goods and services (...) and / or knowledge and technologies (...) inserted in a very particular political and institutional context, Involving the provision of services as the economic space for which all health production flows. Thus, this activity is completely embedded in the complex, both by being increasingly organized on an entrepreneurial basis and by shaping the health market, as a political and institutional construction "(Gadelha, 2006: 15-16). (My Griffin).

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Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 II – Basic Elements of the Approach



1 Background

Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 II – Basic Elements of the Approach

Endogenous actors of the health system: defined by the participation in the political direction, management, services, production and distribution of inputs, organization of access. Its weight depends on the nature of the health system.

1 Background

Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011

Actors, Agenda, Arenas and Cross-Relationships in Health Systems

ACTORS	AGENDA	ARENA	CROSS-RELATIONSHIPS
Government / Ministries or Secretaries of Health	It depends on the coalitions that underpin the government Constraint on macroeconomic policy and dispute with other government agencies Regulation	<ul style="list-style-type: none">- health councils- regulatory agencies for health plans and medicines- parliament-public opinion	With all the actors and arenas
Public Bureaucracy of the Health Area / representative associations of servers	Financing Regulation - all issues in the area, especially the relationship between the public sector and service providers	<ul style="list-style-type: none">- health councils- regulatory agencies for health plans and medicines- parliament-public opinion	With doctors, hospitals and government

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Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 Actors, Agenda, Arenas and Cross-Relationships in Health Systems

ACTORS	AGENDA	ARENA	CROSS-RELATIONSHIPS
Professionals, especially physicians / representative associations / professional councils	Financing Regulation - in particular matters relating to regulation of professional practice, remuneration and regulation of relations between the public sector and service providers	<ul style="list-style-type: none">- health councils- regulatory agencies for health plans and medicines- parliament-public opinion	With hospitals, government, health plans, pharmaceutical industry
Hospitals / Representative Associations	Financing Regulation - in particular issues relating to relations between the public sector and service	<ul style="list-style-type: none">- health councils- regulatory agencies for health plans and medicines- parliament-public opinion	With government, health plans, pharmaceutical industry

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Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011 Actors, Agenda, Arenas and Cross-Relationships in Health Systems

ACTORS	AGENDA	ARENA	CROSS-RELATIONSHIPS
Health Industrial Complex (pharmaceutical and medical-dental equipment) / representative associations	Financing Regulation - in particular patent system and normative provisions on production, marketing and consumption	<ul style="list-style-type: none">- regulatory agencies for the use of medicines- regulatory agencies for intellectual property I-- parliament- public opinion	With hospitals, government, doctors, health plans
Pharmacies/ Representative Hospitals / Associations	Financing Regulation, especially on prescriptions and sales	<ul style="list-style-type: none">- agências reguladoras- parlamento- opinião pública	With government, industry, hospitals, physicians, health insurance

1 Background

Health system and innovation in the Economic and Industrial Health Complex

A) RESEARCH PROJECTS– 2009-2011

Actors, Agenda, Arenas and Cross-Relationships in Health Systems

ACTORS	AGENDA	ARENA	CROSS-RELATIONSHIPS
Health insurance / representative associations	Regulation	<ul style="list-style-type: none">- health councils- regulatory agencies for health plans and medicines- parliament-public opinion	With hospitals, government, health plans, physician, pharmacies
Service users	In theory ,all themes	<ul style="list-style-type: none">- health councils- parliament-public opinion	With all the actors and arenas

1 Background

Health system and innovation in the Economic and Industrial Health Complex

III – Results obtained at this stage

In the comparison of industrial policies for the pharmaceutical industry in Brazil and Argentina, between 1998 and 2006, there was a significant participation of the area of government dedicated to health in Brazil (which has a universal health system, although segmented), both in the formulation and in the conduct of the Industrial policy (which it would fully assume in 2008), as well as the positive impact of health policy on the development of the pharmaceutical industry.



1 Background

Health system and innovation in the Economic and Industrial Health Complex

III – Results obtained at this stage



Once the United Kingdom (which has a universal health system) was incorporated, it was emphasized the centrality of the participation of the health area in the conduct of the industrial policy directed to the segment, the creation of corporate intermediation channels between State and industry and the expressive weight of public purchases and the public hospitals as a space Research and experimentation for the industry.

1 Background

Health system and innovation in the Economic and Industrial Health Complex

B) INTERREGNUM

Research Project: *Industrial Policy in China, India and Brazil: Legacies, Dilemmas of Coordination and Perspectives / State Capacities for Development in Emerging Countries: Brazil in a Comparative Perspective*
(2011-2014) (INCT-PPED / IPEA - Renato Boschi and Alexandre Gomide)



1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

Health Systems and Pharmaceutical Industry, Health Systems and Innovation in Health / Health and Development: new approaches (2015-2016) (Health Innovation Group, FIOCRUZ, Lais Costa and José Maldonado);

Health System, Market and Pharmaceutical Innovation: Brazilian case in comparative perspective perspective/ Economic and Industrial Complex of Health: Innovation and Capitalist Dynamics: Structural Challenges for the Construction of the Universal System in Brazil (CNPq, Lígia Bahia)

1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

I) Health Systems and Pharmaceutical Industry

✓ Analysis of the specific characteristics of pharmaceutical innovation, theoretically and historically, and the participation of the governmental health area in the conduct of innovation policy for the pharmaceutical industry, considering the institutional location of the main programs in countries with different health systems and industry profiles (weight of innovation, market).

✓ **Results obtained:** reviewing the trajectory and profiles of US, German and UK health systems (paradigms of liberal, corporate and universal healthcare systems with innovative industry), as well as Japan, Brazil, India, China (countries involved in catching up efforts with differentiated health systems), it was observed that:

1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

I) Health Systems and Pharmaceutical Industry

1) In the United States and the United Kingdom, the health innovation policy is governed by the government health area, while in Germany by the area of science and technology.

In the evaluation of this result it was pointed out that the dilemmas of coordination of corporate systems hinder the full participation of the health area. In the liberal systems, unimpeded by a significant part of the management of health care, the health area is highlighted in the financing of the research. Public procurement has prominent role only in connection with military objectives. Universal systems with public provision give prominence to public procurement and the collaboration of the service with research, with funding appearing less prominently.

1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

I) Health Systems and Pharmaceutical Industry

2) Japan is a case in which the industrial policy (but not that of innovation) directed to the imitative sector is directed by the governmental area of health until the 1990s, basically consisting of the loose treatment of patent legislation, liberality in prescriptions and sale of medicines by doctors, accompanied by strong protection of the domestic market. Recent efforts to promote innovation have been driven by science and technology and industrial policy boards

1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

I) Health Systems and Pharmaceutical Industry

3) China, India and Brazil have diverse health systems. In China a corporate system under construction, bit segmented and residual. The government health area participates, but it does not lead the innovation policy. In India, the health system is fragmented and low coverage. The industry has a strong export profile and the government health area does not participate in the innovation policy. In Brazil, the system is universal, segmented, with private provision. The health area has a leading role, public procurement has gained an important role, but other agencies have a major role in the financing of research.

II) Health Systems and Innovation in Health

✓ Balance of health system literature and innovation in health

1 Background

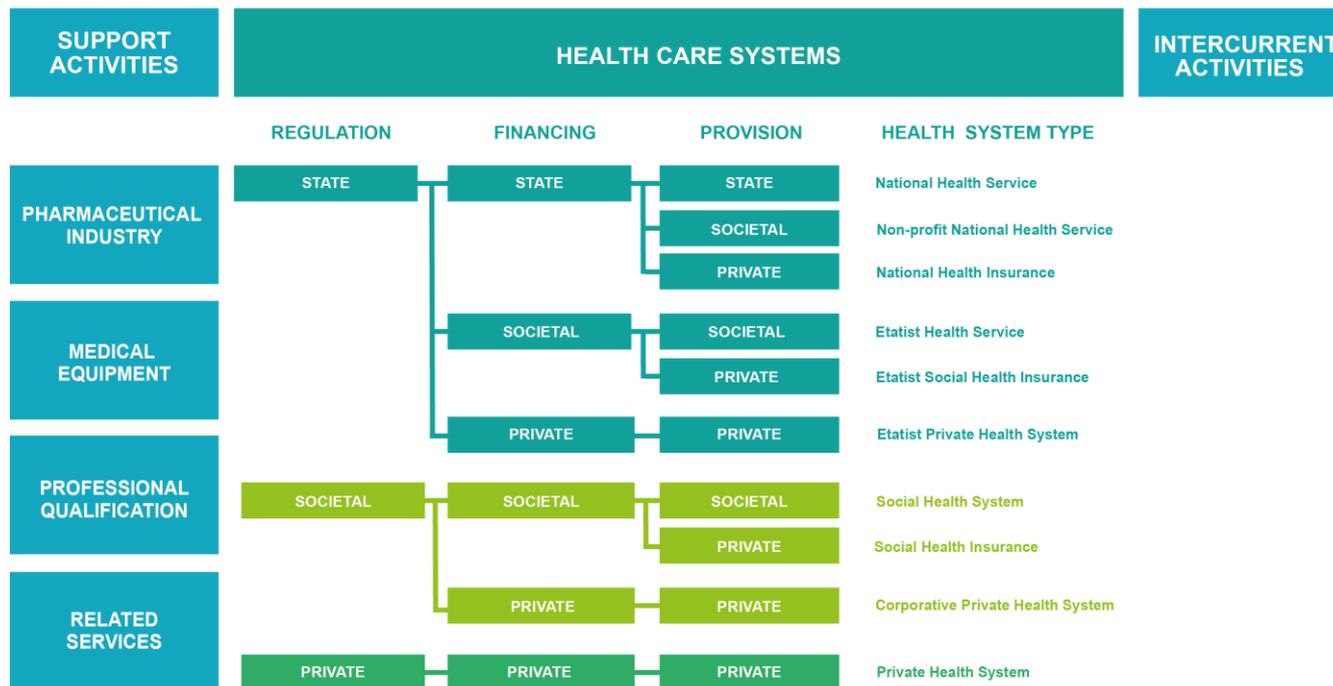
Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

II) Health Systems and Innovation in Health

1) Health System - synthetic perspective [BÖHM, SCHMID, GÖTZE, LANDWEHR, ROTHGANG, (2012); WHO (2000)]

HEALTH SYSTEM



1 Background

Health system and innovation in the Economic and Industrial Health Complex

C) RESEARCH PROJECTS 2015-2016

II) Health Systems and Innovation in Health

2) **Health innovation:** health innovation system, with two subsystems: pharmaceutical and medical equipment, respectively focused on science and engineering, but similar in the requirement of proximity between research institutions and service .

1 Background

Health system and innovation in the Economic and Industrial Health Complex



C) RESEARCH PROJECTS 2015-2016

III) Health System, Market and Pharmaceutical Innovation: the Brazilian case in comparative perspective

✓ **Initial perspective:** to follow the perceptions of the entities of the industry on subjects of the Brazilian health policy between 2002 and 2014, besides focusing on the Canadian case under the terms of the Health Systems and Pharmaceutical Industry project, because it is a country with public habilitation / access and private provision, thus complementing the basic types of health systems.

✓ In the discussions with the team, a change of perspective was defined, with the research centered on the analysis of the perceptions of different entities representative of the endogenous actors of the health system in relation to more recent themes of the sector's agenda.



**Perspectives
of the project *Health system and
innovation in the Economic and
Industrial Health Complex (CEIS)***

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2 Perspectives of the project Health system and innovation in the Economic and Industrial Health Complex

Possibility 1

✓ To update the treatment given to the relations between the health system and industry, taking into account the changes taking place in the USA, the United Kingdom, Germany and Brazil, also incorporating the relations between industry and universities and the segment of medical and dental equipment.

Possibility 2:

✓ Identify the defense coalitions of different projects related to the relations between health system and CEIS, considering epistemic communities, representative entities, actors in the Legislative and Executive, seeking the discursive elements, coalitions, forms and arenas of action.

Projects: Orthodox sanitarianism, CEIS, market direction

2 Perspective of the project Health system and innovation in the Economic and Industrial Health Complex



Possibility 3:

✓ Identify the main elements of the health and health innovation agenda in Brazil since 2014 and monitor the perception and positioning of the endogenous actors of the system

2 References

Health system and innovation in the Economic and Industrial Health Complex

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Thank you!

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