# Investments of Brazilian Drug Companies in Social Programs: an analysis of 2006 social indicators

Os Investimentos das Indústrias Farmacêuticas Brasileiras em Programas Sociais: uma análise dos indicadores sociais de 2006

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## **Abstract**

The purpose of this article was to analyze the progress of social investments of Brazilian pharmaceutical industry. Studying social policies created by this major productive sector is important due to its strong influence on a wide variety of health policies, among them the conflicting battlefield between company's patent protection and government's compulsory license for patent drugs. The 2006 social indicators of 62 pharmaceutical companies, published in the Social Panel by the Brazilian Federation of Pharmaceutical Companies (Febrafarma) in May 2007, were studied. This publication included information in three different formats: general data on the number of programs; amounts invested and number of beneficiaries; general data categorized according to a predefined model comprising fixed categories (health, education, community, quality of life, culture, environment, and other); and customized data for each company including a summary of each program implemented. The purpose of the study was to assess whether these indicators allow a longitudinal follow-up of policies and proposals concerning social accountability of pharmaceutical companies.

**Keywords:** Pharmaceutical Market; Social Programs; Social Indicators.

### Resumo

O objetivo deste artigo é analisar a evolução dos investimentos sociais praticados pelo setor industrial farmacêutico brasileiro. A importância do estudo das políticas sociais criadas por esse importante segmento produtivo deve-se à sua forte influência nas mais variadas definições sobre políticas de saúde, entre elas o conflituoso campo de disputa entre a defesa das patentes por parte das empresas e as tentativas de licenciamento compulsório de medicamentos, por parte do governo. Tomamos como fonte de pesquisa os indicadores sociais de 62 indústrias farmacêuticas, relativos ao ano de 2006, publicados pela Federação Brasileira da Indústria Farmacêutica (Febrafarma), em maio de 2007, sob o título Painel Social, apresentados de três formas: dados gerais sobre o número de programas, valores investidos e o número de pessoas beneficiadas; dados gerais classificados segundo um modelo pré-definido e composto de categorias fixas (saúde, educação, comunidade, valorização da vida, cultura, meio ambiente, voluntariado e outros); e dados individualizados por empresa, com a indicação das ementas de cada programa criado. Buscamos com a reflexão sobre esses indicadores averiguar se eles possibilitam realizar um acompanhamento longitudinal das diretrizes e das proposições relacionadas às ações socialmente responsáveis praticadas pelas indústrias farmacêuticas.

**Palavras-chave:** Mercado farmacêutico; Programas sociais; Indicadores sociais.

### Introduction

Economy globalization was accelerated through technology development in the years after the World War II, more notably since the 1980s. It has set out a number of strategies such as technology transfer and concentration by large corporations based on hegemonic financial centers to countries where local conditions favored increased profitability through global rationalization of production processes and cost reduction due to, among other factors, low taxes, reduced workforce costs, easy access to commodities and product flow, closeness to consumer markets.

Economy globalization has been greatly advantageous only to large companies and corporations of more industrialized rich countries as it has allowed huge capital accumulation in many different production industries. But these large profits conflict with profound wealth concentration and social inequality in less privileged countries. On one side, poverty and unemployment, on the other, transfer of dividends from highly specialized global production hubs to hegemonic financial centers. This situation of extreme inequality has been mitigated by the investment of a tiny share of these companies' exorbitant profits in social programs, justified by corporate businesses as essential to improve life conditions of people (evidently, economically active people).

Corporate social accountability requires investing in areas other than productive spheres. The publication of results of social investments, the so-called social balances or indicators -defined by the Brazilian Institute of Social Analyses (Ibase) as corporate statements "gathering a set of information about social projects, benefits, and actions targeting employees, investors, market analysts, shareholders, and the community" (Ibase, 2007) -, has been regarded by companies not only as philanthropic actions but as part of their strategies to increase competitiveness, profitability, and strength of their brand names, products and institutions in the markets. In other words, it means low-cost investments where the largest share is allocated to the publicity of social programs rather than effective actions, and of guaranteed return.

In Brazil, the publication of corporate social balances was first discussed in the late 1970s. But the first reports were only published about 10 years later: in

1984, by Nitrofértil, a fertilizing company in the northeastern state of Bahia, today Fábrica de Fertilizantes Nitrogenados da Petrobras (Fafen); in the mid-1980s, by Sistema Telebrás, a mixed economy society established in July 1972 and linked to the Brazilian Ministry of Communications; and in 1992, by Banco do Estado de São Paulo (Banespa).

In 1997, the publication of social indicators gained visibility nationwide thanks to the sociologist Herbert de Souza's efforts. Souza, then Ibase president, launched a campaign for voluntary dissemination of this information, and created, in 1998, the Selo Balanço Social Ibase/Betinho (Ibase social balance certificate), granting it to those companies that annually publish their social indicators following Ibase guidelines, methods and criteria (Ibase, 2007).

Almost 25 years later, after the first annual reports were published in Brazil, the object of interest of the present article is to focus our attention on the assessment of the social balance of the Brazilian pharmaceutical industry. A total of 62 pharmaceutical companies established in Brazil, which were uniformly involved in the dynamics of developing and supporting social programs and market visibility, presented their investments in the social area for the year 2006, which lead to the publication of the Social Panel, coordinated by the Brazilian Federation of Pharmaceutical Companies (Febrafarma) in May 2007.

The analysis of the Brazilian pharmaceutical industry is a relevant one as drug companies have established a complex network of links that, in their turn, unfold into a series of central public health issues, notably, the monopolist practice of the pharmaceutical business conglomerate and its impediments to compulsory licensing for drugs of public interest; multiple variations of existing drug products with new patents and, needless to say, new prices; massive advertising including inadequate or even misleading information promoting self-medication and drug abuse; adulterations; large number of pharmacies and drug stores making it difficult health surveillance; inexistence of expert staff on the best practices of management; and growing "black markets" for drugs, among others.

José Augusto Cabral de Barros notes that, in the postwar years, as a result of the market logic, drugs have less and less served health purposes and reinforced "the disproportional non-critical belief of their power," thus supporting a genuine "pill culture," predominant in modern society. At the same time medicine has taken a mechanicist and reducionist approach toward the health-disease process; for example, for depression management, doctors have chosen to prescribe anxiolytic drugs, relegating to a lower level the notion that human beings are a complex of biological, emotional and social components (Barros, 2004, p. 21-22).

This author describes factors that contribute to strengthening behaviors and values that distort the actual role of drugs and promote a growing demand:

- inexistence or breach of the regulations concerning the introduction of new products into the market;
- inexistence of control mechanisms for drug marketing and dispensation, even when there are comprehensive laws:
- privileged position of drugs among users, medical practices and health services due to symbolic elements that reinforce drug efficacy;
- massive advertising strategies targeting both prescribers and consumers with no other unrelated sources of information available (Barros, 2004, p. 24).

Medicalization, defined as "a growing strong dependence of individuals and society on medical care services and goods and their increasingly excessive consumption," and supported by drug advertising, is the most adequate term that describes this reducionist, mechanicist biomedical model. Capitalism, by converting it all into goods for profit, has generated a "medical-industrial complex" and mercantilization of medicine that brought about a number of negative results such as non-universal unequal access to health services putting a large contingent of the population, as seen in Brazil, at the margin of drug consumption, many of them essential drugs (Barros, 2004, p. 50-51, 54).

Fernando Lefèvre considers that the significance of drug is not exhausted in its therapeutic dimension, and thus, from a public health education perspective, its relationships with consumers and prescribers are a more complex phenomenon that goes beyond self-medication and non-adherence of medical advice. Drug consumption also goes beyond "the descriptive level of social analysis" because it does not reflect a social dysfunction but is rather an expression of goods hegemony. Lefèvre also ponders that "the object drug, in the Brazilian social foundation, is not a single but a

three-element unit: a chemotherapy agent, a commodity, and a symbol," that occurs all together: the drug cures, manages, and prevents (therapeutic aspect), alienates and dominates (health embodied in goods), represents and symbolizes (health represented in the drug product) (Lefèvre, 1991, p. 16-19).

In capitalist production mode, Health becomes a commodity providing health adjusted to the market logic, and transfigured into drugs, medical-hospital systems, therapeutic procedures, health plans, etc., and defined, according to the health thinking, as "medicalization" of society. In this context, the commodity drug is a materialization or a symbol of health, a commodity purchasable in the market, and an object of a social production process with its meaning devised by a particular existing social foundation; in other words, it is a symbol from which emanates discourses of health and disease. Drug is at the same time an object of meaning and a producer of meaning, a symbolic commodity that has a material facet (tablet, syrup, pill, etc.) and its consumption through different routes of administration materializes an abstract entity, Health (Lefèvre, 1991, p. 23, 31-32, 52-53).

### **Methods**

A quantitative and qualitative study of pharmaceutical industry social programs was conducted based on data presented in the Social Panel published by Febrafarma in May 2007<sup>1</sup>. The large amount of information collected allowed to investigating major aspects that are key to understand drug industry's stand on social responsibility. The report provided progress information regarding the period 2002-2006 on total number of programs, people, and amounts invested; distribution of programs by categories (Health, Education, Community, Quality of Life, Culture, Environment, Voluntary Work and Other); internal investments and number of beneficiaries (i.e. programs targeting employees and their families); as well as information on each participating drug company concerning their investments and number of beneficiaries.

The qualitative analysis of data presented in the Social Panel sought to further explore the goals of social investments of participating pharmaceutical companies based on descriptive summaries of their social programs. In several instances, it was found that the typology used to describe social indicators, which were divided into five groups - Social Work, Social Investment, Partnership, Cause-Related Marketing, and Voluntary Work -, did not take into consideration the wide variety of projects. Hence, we developed a new classification because breaking down into further categories would allow a more in-depth analysis of data published. It included 18 categories: formal and vocational training; health programs; cash donations, donations of drugs and equipment; investments in culture, sports, and recreational activities; and various campaigns such as blood donation, warm clothing and Christmas campaigns.

It should be stressed that the Social Panel presents data provided by the participating drug companies and thus does not allow to characterizing their dynamics of program development and involvement. Many programs are developed but are not implemented as their primary goal is to act in socially responsible ways as part of the modern corporate logic and to attain competitive gains through tax benefits.

### Results

The Social Panel of drug companies in Brazil for 2002-2006 presented annual global data concerning the industry's social programs and showed an ongoing growth of investments. A comparison between resources invested in 2002 and 2006 revealed that social investments increased by 343%. A total of 64.6 million reais (around 32.3 million dollars) were invested in 2006, accounting for 0.3% of profits with drug marketing in Brazil during the same period of time, which was approximately 11 billion dollars (Table 1).

The three main categories with the largest investments - health, education, and community - accounted together for 52.8 million reais (82%). The predominance of these categories in their social goals suggest that drug companies invested largely in programs that would revert to their own benefit in the medium to long run. These were programs that tackled on basic conditions for improving quality of life of the industry's employees, families, and environment (Table 2).

<sup>1</sup> Available from <a href="http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.php?area=cs&secao=missao\_social&modulo=painel\_s>">http://www.febrafarma.org.php.area=cs&secao=missao\_social&modulo=painel\_s>">http://

Table 1 - Social programs of drug companies between 2002 and 2006: number of programs, beneficiaries, total amounts invested (million reais) and investments per beneficiary (reais)

	2002	2003	2004	2005	2006
Number of programs	197	297	407	455	539
Beneficiaries (million)	4.1	7.2	8.7	12.4	24.3
Investments (million reais)	18.8	30.8	42.5	44.6	64.6
Investments per beneficiary (reais)	4.49	4.28	4.88	3.60	2.66

Source: Febrafarma. Social Panel 2006. Available from "http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s". Access on July 21, 2007.

Table 2 - Social programs of drug companies in 2006: categories, number of programs, beneficiaries, and amounts invested (million reais)

Category	Number of programs	Beneficiaries (per 1,000)	Investments (million reais)
Health	122	4321	29
Education	92	17033	12.7
Community	147	352	11.1
Quality of life	48	27	5.18
Culture	31	92.2	3.22
Environment	43	867	1.53
Other	27	1609	1.09
Voluntary work	29	76	0.69

Source: Febrafarma. Social Panel 2006. Available from "http://www.febrafarma.org.br/index.php?area=cs&secao=missao\_social&modulo=painel\_s". Access on July 21, 2007.

The distribution of investments by ranges shows that only a third of the drug companies allocated resources to social programs that amounted to more than one million reais. Only eight companies (13%), of which seven multinational (Alcon, Novartis, Schering do Brasil, Genzyme, Roche, Jansen Cilag, and Sanofi Aventis) and one national company (Aché) invested more than two million reais (Table 3).

Based on the qualitative analysis of programs of each drug company using project summaries, we developed a new classification that was more adequate to examine the social indicators of this industry (Table 4).

Table 3 - Social programs of drug companies in 2006: investments by amount ranges and related number of companies

Amounts invested (reais x 1,000)	Number of companies		
ı to 100	18		
101 to 500	12		
501 to 1,000	14		
1,001 to 2,000	10		
2,001 to 5.000	5		
Above 5,001	3		

Table 4 - Social programs of drug companies in 2006: fields of action, number of programs and related percents

Fields of action	Number of programs	(%)
Vocational or college training	84	15.5
Health programs	64	11.8
Cash donation	63	11.6
Mixed donations (clothing, food stamps, computers, etc.)	57	10.5
Environment-related programs	51	9.4
Investments in culture, sports, and recreational activities	47	8.7
Supports other than financial investments	36	6.7
Donation of drugs	34	6.3
Formal education of children and adolescents	21	3.9
Christmas campaign	21	3.9
Advertisements for promotion of social programs	18	3.3
General programs for life quality improvement	15	2.8
Warm clothing campaign	10	1.8
Hunger programs	7	1.3
Contests/awards in health	6	1.1
Blood donation campaign	4	0.7
Advocacy of Indian people	2	0.4
Agriculture project	I	0.2

The absolute numbers presented in the Social Panel apparently demonstrate a strong involvement of drug companies with socially responsible practices. However, the amounts invested in the internal community are quite incomparable: 144.3 million reais, more than twice as much. It benefited a much smaller number of people (about 200,000 employees) at the rate of 720 reais per employee, which is 270 times more than that invested to benefit a person in the community that, in 2006, was 2.66 reais (Table 1).

The main programs targeting the internal community in 2006 had also a different nature: private security plan (investment of 66.3 million reais); commitment with employability and career advancement (28.7 million); and formal training programs (17.1 million). These actions accounted for 78% of all investments and they are crucial for the maintenance of the binomial optimization of production processes/maximization of profits. This logic is corroborated by reduced investments in internal programs that focus more on social issues, such as prevention of moral and sexual

harassment (around 173,000 reais); appreciation and motivation of employees (480,000 reais); promotion of citizenship and empowerment (500,000 reais); and culture promotion (600,200 reais).

### Discussion

According to Marilene Cabral do Nascimento, in the postwar years, the pharmaceutical industry had a great boom and become one of the most profitable segments of the modern industrial production. The coupled increase in consumption resulted from the popularization of industrialized drugs and their increasingly variety, economic development, and the creation of power structures between governments, health organizations, and manufactures, influencing more and more medical providers, patients, and researchers and increasing drug demand (Nascimento, 2005).

Until the mid-1950s, the pharmaceutical companies in Brazil managed to reasonably meet market demands. With the advent of President Juscelino Kubitschek (1955-1960) developmental policy, Brazilian economy opened up to foreign investments and control (Coelho, 1980, p. 47-48). This policy was mainly supported by Regulation 113 of the Currency and Credit Authority (Sumoc), which was established in the beginning of 1955 by the end of Café Filho administration, and the ministry of Finance Eugênio Gudin, director of Bond & Share subsidiary companies in Brazil, authorized the import of machinery and equipment without any exchange cover and restrictions to comparable products in Brazil.

The process of denationalization of Brazilian pharmaceutical industry gained momentum so that, by the end of the 1960s, 94% of them were controlled foreign companies. Foreign dominance was made possible by technology gap in the synthesis and production of drugs from highly complex chemical elements and opportunities offered by the Brazilian government to foreign capital. But technology transfer, managed in the hegemonic centers of international capitalism, disregarding the national economy demands, was misguided as production strictly served socioeconomic interests of developed countries, and the type, level, and costs of the technology transferred reflected the oligarchic nature of the strongly market-oriented multinational companies. In view of that, there were provided drugs that were inadequate to the Brazilian needs, extremely costly, and unequally distributed, whereas technology dependency was perpetuated (Coelho, 1980, p. 49-51).

In the light of the massive concentration of Brazilian pharmaceutical industry in the late 1950s and in the next 20 years, multinational companies progressively acquired local companies evidencing that the main goal of the well-known technology development was in fact market hegemony. Some joint ventures were established: Laborterápica and Bristol S.A. (1957), Moura Brazil and Merrell (1960), Endochimica and Mead Johnson (1960), Sintético and Searle (1967), Laboran and Syntex (1968), Procienx and BYK (1969), Kerato-Lok and Allergan (1972), Maurício Villela and Beecham (1972), Cissa and Alcon (1974), and Hiplex and Soesenius (1977) (Coelho, 1980, p. 58, 68).

Publicly-held pharmaceutical corporations aim to increase the value of their shares through profit maximization and their achievements are impressive. In 1993, pharmaceutical companies in Brazil profited 5 billion dollars in sales. It grew to 8.2 billion in 1995 and to nearly 10 billion in 1996, whereas historical profitability of the industry has remained around 2 billion dollars over the 1980s. This extraordinary growth in profits has not been parallel by a proportional production growth; in other words, these financial results were obtained through a huge rise of drug prices as a consequence of the neoliberal policy of open competition and prices set by the market - while Brazilian inflation in 1992-1993 was 1.608%, uncontrolled drug prices grew by 2.600% – as well as of the progressive crumbling of the Central Drug Authority (CEME), in detriment of the implementation at any cost of generic drug policy. Between 1992 and 1996, the Brazilian pharmaceutical industry grew around 30% through mergers of giant multinational companies such as Roche and Syntex, American Home and Cynamid, Hoechst Russel and Marion Merrell, Rhône-Poulenc Rorer and Fisons, Pharmacia and Upjohn, Ciba and Sandoz (now Novartis), and Glaxo and Wellcome (Oliveira, 1997, p. 47-49, 52, 55).

Data released by IMS Health Incorporated, a company that provides consulting services to the pharmaceutical industry, show that, in 2006, global sales of prescription drugs reached 602 billion dollars. The sales of the 10 leading drug companies totaled around 275 billion dollars: Pfizer, 45,083 billion dollars; GlaxoSmithKline, 37,034; Sanofi-Aventis, 35,638; Novartis, 28,880; Hoffmann-LaRoche, 26,596; AstraZeneca, 25,741; Jonhson&Jonhson, 23,267; Merck & Co., 22,636; Wyeth, 15,683; and Eli Lilly, 14,814².

A similar situation is seen in Brazil: after strong growth by the end of the 1990s and subsequent decline in the early years of the new century, between 2002 and 2006, pharmaceutical company sales doubled from nearly 5.2 billion dollars to 10.9 billion (before taxes). In January-May 2007 only they reached six billion dollars. Yet the increase in drug sales has not been parallel by an increase of units sold, which have remained prac-

<sup>2</sup> Results released by IMS Health Incorporated. Available from <a href="http://www.imshealth.com/web/channel/0,3147,64576068\_63872702\_70260998,00.html">http://www.imshealth.com/web/channel/0,3147,64576068\_63872702\_70260998,00.html</a>. Access on July 16, 2007.

tically around one billion and 600 million since 2000. It means that, in the last seven years, productivity of pharmaceutical industry was steady and successive profit increases were not achieved through scale economy (low added value with high production volume) but rather dramatic production cost cuts: the average cost of a drug produced in 2002 was 3.22 dollars, in 2006, 6.54 dollars (more than doubled), and between January and November 2007, it reached 8.00 dollars<sup>3</sup>.

It is worth noting that the magnitude of profit of Brazilian drug companies is infinitely greater than their investments in social programs, 64.6 million reais in 2006, i.e., 0.3%. It is well below the allowable limit for corporate tax deductions. The Federal Act No. 9,249, of December 26, 1995, that rules on tax income of corporate bodies as well as social contributions of net profit, establishes this limit at 2% of due taxes, calculated based on actual profit, up to 4% for donations to cultural programs, and 1% for donations to Child and Adolescent Funds (BNDES, 2000, p. 18).

Data presented in the Social Panel evidence considerable variability of the amounts invested in social programs of drug companies. Since the amounts invested are budget percents, they are generally proportional to business profitability; the larger the company the greater their participation in social programs. As noted before, for example in Table 3, 18 small and mediumsize companies with a small share of the pharmaceutical market (around 30% of participating companies) invested altogether only 624,000 reais (not quite 10% of the total). The number of programs also showed wide variations: 35% of participating companies invested in more than 10 social programs while the remaining implemented on average about six programs.

The data presented are apparently contradictory especially when compared to the amounts invested internally in actions targeting employees, clients, and partners. Besides being considerably higher, these internal investments were directed to quite fewer people through sound education programs such as university training, specialization, and graduate programs, while in the community they targeted a large number of people expressing the notion of social action translated into scale economy applied to production processes:

the more comprehensive the programs, the more people will "change" and the greater result visibility will be achieved.

As for the goals of social programs developed by Brazilian drug companies, data presented in Table 4 show that investments were much diversified. However, resources were invested in five main activities: professional training (15.5%), health programs (11.8%), cash donations (11.6%), mixed donations (10.5%), and environment (9.4%), reaching altogether almost 60% of all actions.

Several reasons may explain this concentration of socially responsible actions such as program visibility, fulfillment of the proposed goals, comprehensiveness, convergence of product/company marketing strategies, and low investment per beneficiary. These results also showed that priority investments in professional training and health programs suggest a game of interests of pharmaceutical companies which allocate their resources to programs that can revert to their own benefit in the medium to long run, and that tackled on basic conditions for improving quality of life of the industry's employees, families, and environment.

Professional training sponsored by pharmaceutical companies seeks to promote areas of knowledge consistent with their business interests: vocational (robotics, electric, chemical specialties) and college training (engineering, pharmacy). Similarly, investments are made in formal education but to a lesser extent, to provide operation staff skills for them to be able to perfectly read and interpret strict instructions and procedures for managing high-productivity machines.

Health programs were mostly developed focusing on common health problems in these companies such as hormone replacement drug therapies and breast cancer and women's health programs, representing an extraordinary cost-benefit marketing investment. Following marketing strategies defined to their products, pharmaceutical companies also invested in health education and programs for physically and visually disabled people. The large number of social programs of cash donations, donations of drugs, equipment, food and clothing (154; 28%) suggest that a sizeable number of drug companies still see socially responsible actions

<sup>3</sup> The results of the involvement of Brazilian drug companies are published by Febrafarma. Available from <a href="http://www.febrafarma.org.br/index.php?area=ec&secao=vd&modulo=economy\_args">http://www.febrafarma.org.br/index.php?area=ec&secao=vd&modulo=economy\_args</a>. Access on January23, 2008.

as aid and charity activities that do not call for effective social transformation.

The five programs considered less important by the industry summed up only 4% of all invested, although their goals were of major relevance to society: hunger program (1.3%), contests/awards in health (1.1%), blood donation campaign (0.7%), advocacy of Indian people (0.4%), and agriculture project (0.2%).

It is remarkable in the analysis the attention given to the environment: this category ranked fifth with investments around 1.5 million reais in 43 programs from only 27 companies. Even with the creation of compensatory policies, which recognizably are not able to solve all problems, few resources were invested to improve environmental conditions considering the high-level hazard exposure in drug production operations requiring handling of chemicals and production of environmentally toxic waste.

The analysis of data in the Social Panel published by Brazilian drug companies evidences that social indicators have limited interpretation since they only show total investments set in predefined models, rendering the final report evasive and generic and thus canceling out its own purpose: enhancing transparency of pharmaceutical industry's social actions. The improvement of these social indicators, broke down into more specific categories with their related investments, will allow longitudinal follow-up of pharmaceutical industry's social accountability. More accurate and clear definitions, well-defined fields of action, and the presentation of investments in each area with actual results of the programs implemented can provide a more comprehensive picture of changes attained.

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