

The free and clarified consent and research subject's vulnerability

Mary Lee dos Santos Adauto Emmerich

Abstract

The Resolution CNS 196/96 of the Brazilian Health Ministry establishes conditions for research involving human subjects and it establishes subject's protection with free and informed term of consent (FITC). The paper investigated subjects' profile, establishing the relationship between subjects' knowledge about the research and their social background. To safeguard confidentiality and privacy of researchers, the institutional ethics committee invited researchers to participate in the study, but only released their contact information upon their acceptance to be in the study. The population more frequently investigated includes patients, health workers, health course students and elderly both from groups of patients and from nursing homes. 75% of subjects were from lower income classes (D and E) and despite higher education of 49% of subjects, 60% never read the informed consent. It is necessary to renew the importance of informed consent as to educate volunteers, including information about their health conditions, thus allowing for better communication between subjects and researchers and further consideration of social vulnerability.

Key words: Bioethics. Human research subjects. Informed consent.



Mary Lee dos Santos Physiotherapist at Higher School of Sciences of the Holy Mercy House, expert in Ethics and Master in Collective Health at the Federal University of Espirito Santo, working on her PhD in the Bioethics, Applied Ethics, and Collective Health graduate program at the National Public Health School, Federal University of Rio de Janeiro, State University of Rio de Janeiro, Federal Fluminense University (ENSP/UFRJ/ UERJ/UFF), professor at Federal Fluminense University (UFF), Niteroi, Rio de Janeiro, Brazil

The search for new knowledge that can bring benefits for society is part of an intricate network of relationships established in parameter as much human as perverse. Much of this perversity manifests over the more fragile members of society, the sick or forsaken, included in this group the mentally disabled, children, senile, and those institutionalized of any order ¹.

In international consensus, contemplated in Resolution 196/96 ², the more vulnerable populations, traditionally comprised by children and adolescents, carriers of mental disorder or mental disease, and subject in situations of substantive diminished consent capability, demand additional protection. In the same situations are included adults and capable exposed to specific conditionings or to authority's influence. particularly students, military, employees, prisoners, interns in rehabilitation centers, shelter homes, asylum, religious associations, and similar 2. However, the domestic resolution does not contemplate vulnerability due to economic or educational disadvantage, a criterion established already in other countries 3.







Adauto Emmerich Dentist at the Federal University of Espirito Santo, post- doctorate at the Federal University of Rio de Janeiro, professor and head of Social Medicine University at the Federal University of Espirito Santo, Vitoria, Espirito Santo, Brazil

There are not valid universal protocols to evaluate vulnerability of research voluntaries or designed to assure the adequate clarification for the full exercise of their autonomy. Such evaluation, although it is not a requirement of the process, should be routine part of getting the free and clarified consent term (FCCT), which should be written in clear language, in layman's terms, making available pertinent information of the research project. Paradoxically, the same protection mechanism, that is, confidentiality of protocols of the study, makes research subject to remain anonymous and unknown, in addition to be impersonally described in projects. Who they are, how they and what do they think regarding researches of which they are crucial parts, are scarce information in current literature.

Studies undertaken in Europe and in the United States ^{4,5} on clarified consent term show that many volunteers, after signing the document, do not understand the study on which they participate or of their rights Difficulty is greater in developing countries, with poor volunteers with lower educational level, little or no familiarity with usual procedures of medical research and with own ideas about the origin of the diseases ³.

Detecting vulnerability after getting the FCCT meets three basic purposes: a) evidencing the circumstance(s) that may devaluate or invalidate consents ⁶; b) determine additional protection measures in view of found vulnerabilities; and c) to provide theoretical basis to ensure understanding about the research ⁷.

The present study proposes to know academic research landscape in a higher education institution in health



area from research projects approved the ethics in From this volunteer population, 50 individuals were research committee (CEP) of the institution. The selected by probabilistic sampling through simple first relevant aspect is the considerable increase randomness technique to comprise the sample. One in number of projects, mainly academic realizes that recruitment falls on more available research, which coincides with research legal individuals and groups with which academic and requirement domestic courses.

The study sought to know the understanding of the subject about research4, if they understand the relevance of their Age shows that 37.2% are between 18 participation, and if there is interference of social and 40 years old; 27.4% between 41 factors and the comprehension about their role. The and 60 years old, and 35.2% are 61 project did not evaluate the research or the years old or over. On gender, 76.4% are relationship between researchers and subjects or women, and concerning color or race, other aspects contemplated in the consubstantiated 35.9% are white, 14% blacks, and 51% opinion issued by CEP approving the project.

Results and conclusion

were selected from a stratified sample. Introspective which establishes threshold for household total studies, reported cases, invasive procedures were monthly income: a) class E, between zero and excluded, and it was considered the location where the R\$ 768; b) class D, between R\$ 768 and Project was undertaken, which determined the R\$ 1,064; c) class C, between R\$ 1,064 selection of only one project for each location as well and R\$ 4,591; d) class B, with income higher as inclusion of just one research by the same author. than R\$ 4,591; and class A, with values The study identified most frequent volunteers: a) above R\$ 6,563. The figures obtained health workers (hospital and health unit) = four show that among subjects there absence of projects; b) student from the institution = 1 project; c) class A, and deviated distribution by classes patients from the institution = 1 project; d) patients D and E, corresponding to 75% of from the institution in modality of group assistance, volunteers. and elderly groups (including seniors living in long stay institutions) = 6 projects.

undergraduate scientific communities have greater familiarity, independently of their vulnerability level. Designing of studies varies, but it implies contact with research final subjects, even if just of short term.

declared themselves as dark-skinned.

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In order to analyze distribution of sample by social class, parameters of study undertaken by Based in methodology used in the study, 12 projects the Getulio Vargas Foundation 9 were used,

> Main occupation of 60% of volunteers concentrates in the services sector, 15% are in farming and 25% are divided between industry, trade or abstained to reply; total of 100% of employees.



Analysis of schooling reveals that 12% of importance to their participation and to the participants are illiterates, 21.6% have up to eight research itself. years of schooling; 15.7% up to eleven years of schooling, and 49% over 11 years of schooling.

Considering the household unit, 68% of they do not know reading, 35% did not present subjects have families with up to Five any reason for not reading the document, and members; and 32% have families with the remnant justified that the document "was up to eight members. The household too large", or "the physician explained well", or units have good spatial distribution with "were not interested". The survey reveals that two members by dormitory, been headed 48% of total interviewed individuals, in addition in equal proportions by man and woman to not knowing project duration, they were not (47% women and 53% men). All have capable either to inform on its results, what pipe water, sewer, garbage collection, suggests that communication with subject and electricity.

Among the interviewed, 43.13% have access to other health service in addition to that where they were recruited for the In vulnerability evaluation, 100% declared not research. Concerning the age of those who fearing that their refusal in participating in the do not have access to other health service, study could bring them difficulties in the majority, 44.84% is older than 61 years, assistance. They were all aware that it is a while the remnant of the sample is equally voluntary activity, and that it could be distributed in age ranges of 18 to 40 years interrupted without personal consequences. old, and 41 to 60 years old.

alone, and they stated that after reading it anybody left the projects before its ending nor understood the research However, they expect to benefit from the study, although none of projects included in it For Biondo-Simoes et al 10, the subjects for brought them immediate benefit. Despite the research should be those with better reading, they did not know the basic education, used to reading, easiness to access information about the research, such as, for to the Internet, and higher incomes. Although example, its duration. Although less vulnerable, this profile be coherent with the volunteers participants with more schooling years, when from the group of health sector professionals questioned about FCCT and its function, they did and undergraduate students in the same área, not show more knowledge about than the the current study shows that 100% of this average of all participants, and they attribute

Out of those that did not read the FCCT (52% of the study sample), 40% did not read it because ceases, in most of the times, with data collection.

This is the sole unanimous aspect to all interviewed and it deserves to be investigated Subject that read the FCCT (48%) did it once, better due to the constraining risk, since better. manifested the desire of doing it.

> group did not red the FCCT and, consequently, ignored information.



vulnerability aspects that cannot be detected by the interviews for FCCT information and signing. CEPs or realized by researchers, such as, for The educational role attributed to CEP bring examples, the schooling years criterion, of access these experiences closer, not common in the to other health services, and volunteers' decision of domestic scenario, to the ideal that inspired not reading attentively the FCCT. How to ensure Resolution CNS 196/96 -which guides research less vulnerability of subjects without changing the in Brazil. methodological and ethical evaluations to which projects are submitted? Is it feasible to impose Although it is a major tool of change, it in naive to stricter control and restrictions to research? And, if think that health education or as it is proposed this is the way to assure less vulnerability to herein, in research, be the ideal solution for volunteers, should this greater control be in charge vulnerability of CEP/Conep system? These are some of the vulnerability is a health literacy phenomenon 13, questions raised by the present study and which a different concept from the traditional Idea should not be ignored or considered a punctual that health education, crucial for improving case, without similarity in the national landscape.

the CEP/Conep system. The ideal associated which the individual bases himself for to social control is that of responsible and proactive decision making about his own health. participation. Therefore, it is from this theoretical axis that should originate solutions for difficulties unique to the It is necessary to acknowledge that the scientific system. One should seek answers inside the system itself, community is not responsible for inequality, but strengthening and rescuing already available and it needs to consider that volunteers do not effectively proven tools. Lacativa e al 11, as well as dispose of needed competences and skills to Goldim 12, point to, in this sense, effective find, understand, evaluate, communicate, and communication with the subject in order to use information and concepts about health. It is give potential to FCCT protecting action, in this recognition that researcher's ethical stand Experiments are successful information establishes itself 12. processes, undertaken in group, with multimedia resources to make relevant and Systemizing educational actions for research needed data available for understanding the subjects is consonant proposal to the research, in suitable language, sheltering Brazilian format for ethical evaluation of environment and appropriate to clarify

Thus, one realizes that the research involves doubts, and with undertaking of personal

situations. Predisposition the health of people. The expression health literacy translates into a set of individual Social control is one of the most important in notions regarding health and care, about

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research. It is possible, to this end, to

Rev. bioét (Impr.) 2011; 19(2): 553 - 61

research transpose landmark of other successful actions, such as at the initial stage of the study allows the Back School model developed in 1969, in researcher to recognize this condition and to Switzerland by the physiotherapist Mariane seek alternatives to clarify participants Zachrisson-Forssell. program Her internationally consecrated as postural training to volunteers' clarification increases the method - consists in four meetings, twice weekly, duration of research and it places a burden to lasting 45 minutes and with participation of six to researchers with one more task. The twelve people. The first two classes are advantage of this proposal - mainly in acdemic theoretical, the third is practical, and the last a research, when the objective is to train practical review of approached content 14.

The Back School model can be applied to research - is to enable the development of an inform subjects on the project, presentation of efficient communication and the strengthening procedures to be undertaken, and to clarify of the sacred bond with the other volunteers about the importance of their (subject/future patient), and may be presented participation, as well as about the factors that to young researchers as part of learning. qualify them for the study. Consequently, it may contribute also for knowledge of their health Education and research, in addition to set a conditions, in addition to set a forum for binomial in knowledge production, also enjoy a appropriate to manifestations of information, reciprocal relation. Thus, the need to incorporate inclusively establishing a timetable for contacts the education strategy to the research act, to be fulfilled after completion of study to extensive to all involved, inclusively volunteers. communicate the outcomes.

establishing a priori that only general information necessary as well for those that will be made available collectively, owing their contribute in knowledge production adhesion to collective meeting be voluntary. to be part of the process and to Furthermore, each volunteer, isolatedly, will make benefit from knowledge brought in contact with researchers to solve his doubts and to by the research. communicate his decision to participate or not in the study. Despite these measures, many To invest in research volunteer's volunteers assimilate not information

the theoretical Nevertheless, closer contact with volunteers - better. It is obvious that dedicating more time professionals with a critical vision and respect for human dignity, accredited in scientific

Therefore, it is not enough that researcher study to research and acquire new It is important to respect volunteers privacy knowledge about the object of study. It is

> provided clarification and autonomy, through educational activities, developed during selection of subjects, is a measure of installation and intrinsically easv associated to academic environment.



Disseminating it, stimulating more they are able to attribute new undertaking and contributing for its meanings to subject's protection and to implementation is the task of entire realize the complexity of his participation in scientific community, but to acknowledge the search for responses that will benefit its importance is CEP role, which the more the entire society. ripe ethical reasoning and analysis, the

Resumo

O consentimento livre e esclarecido e a vulnerabilidade do sujeito de pesquisa

A Resolução CNS 196/96 normatiza a pesquisa envolvendo seres humanos e estabelece a proteção do voluntário com o termo de consentimento livre e esclarecido (TCLE). O trabalho investigou o perfil de sujeitos de pesquisas de uma instituição de ensino buscando estabelecer relação entre sua condição socioeconômica e o entendimento sobre a pesquisa. O CEP intermediou o contato entre pesquisadores, revelando apenas a identidade dos que aceitaram participar da investigação. Os voluntários mais frequentes são pacientes, trabalhadores dos serviços públicos de saúde, estudantes da instituição e grupos de idosos e residentes de instituições de longa permanência. Destes, 75% pertencem às classes D e E, e apesar da alta escolaridade de 49% dos voluntários, 60% não leram o TCLE. Os resultados apontam a necessidade de resgatar o valor do TCLE mediante ações de educação, tornando a comunicação mais eficiente entre pesquisador e voluntário, além de propiciar maior consideração à vulnerabilidade social.

Palavras-chave: Bioética. Sujeitos da pesquisa. Consentimento livre e esclarecido.

Resumen

El consentimiento libre y esclarecido y la vulnerabilidad de los sujetos humanos de investigación

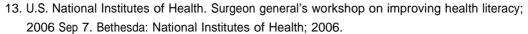
La Resolución CNS 196/96 regula la investigación en seres humanos y proporciona protección a los voluntarios con consentimiento informado. El estudio investigó el perfil de los sujetos de investigación de una institución de enseñanza para establecer la relación entre sus condiciones socio-económicas y la comprensión de la investigación. El CEP medió el contacto entre investigadores, revelando solamente la identidad de los que aceptaron participar en la investigación. Los voluntarios más frecuentes son los pacientes, los trabajadores de los servicios de salud pública, los estudiantes de la institución y grupos de ancianos y residentes de instituciones de larga permanencia. De éstos el 75% pertenecen a las clases D y E, y pese al alto nivel de escolaridad del 49% de los voluntarios, un 60% de ellos no había leído el TCLE (Término de consentimiento libre y esclarecido). Los resultados indican la necesidad de recuperar el valor del TCLE mediante actividades de educación, haciendo la comunicación más eficaz entre los investigadores y voluntarios, además de dar propiciar mayor consideración a la vulnerabilidad social.

Palabras-clave: Bioética. Sujetos de investigación. Consentimiento informado.

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Contacts

Mary Lee dos Santos - maryleedossantos@gmail.com

Adauto Emmerich - adautoemmerich@terra.com.br

Mary Lee dos Santos - Av. Desembargador Cassiano Castelo, 70, Manguinhos CEP 29173-037.

Serra/ES, Brasil.

Authors participation in the article

Mary Lee dos Santos developed the article form its Master's degree thesis and Adauto Emmerich was her advisor.

Rev. bioét (Impr.) 2011; 19(2): 553 - 61

561

