

## 02 - 47% OF GRADUATE COURSES IN PHYSICAL EDUCATION NOT PROVIDE THE INFORMATION IN THEIR CURRICULUM WEBSITES

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### INTRODUCTION

In Brazil, Higher Education institutions that have a website, and report the information about their Graduation Courses and curricular information, enabling thus be a powerful and democratic tool in the process of access, near or far, for the Brazilian population interested in higher education.

Accordingly, those interested in joining an academic formation related to Physical Education, which is, in terms of Teaching and Research, linked to the Greater Area of Biological Sciences and Medical Sciences and Health, would be able to obtain information about the disciplines of Human Physiology, Exercise Physiology, Nutrition, Sports Nutrition, Football, Futsal.

### OBJECTIVE

Quantify, in 2008, all higher education institutions that have undergraduate courses in Physical Education and classify it into University, University Center and College; quantify the availability of curriculum data for courses in Human Physiology, Exercise Physiology, Nutrition, Nutrition Sports, Football, Futsal in undergraduate courses in Physical Education.

### MATERIALS AND METHODS

#### Sample document

All 762 undergraduate courses in Physical Education cataloged in the Instituto Nacional de Estudos e Pesquisas Educacionais Anísio Teixeira (INEP) of Ministério da Educação database.

#### Procedures

Through the Internet by accessing the Instituto Nacional de Estudos e Pesquisas Educacionais Anísio Teixeira (INEP) database, of Ministry of Education, quantifying and classifying the Institution of Higher Education characteristics in University Center, University and College that have Graduation Courses in Physical Education.

From the website of each Higher Education Institution in Brazil that offers undergraduate courses in Physical Education quantify the curriculum data availability of Human Physiology, Exercise Physiology, Nutrition, Sports Nutrition, Football, Futsal disciplines, and organized to its concentration in the North, Northeast, Midwest, Southeast, South and aggregation in Brazil.

The data were stored for quantification in the Microsoft Office Excel 2003.

#### Materials

Two computers configured with the following features: Athlon processor 2.0 GHz, DDR memory 1.5 GB, 120 GB of storage, a 17" monitor, a keyboard, a mouse and a broadband connection of 4 Mb/s; Sempron processor 2.0 GHz, DDR memory 512 MB, 40 GB of storage, a 17" monitor, a keyboard, a mouse and a broadband connection of 2 Mb/s.

#### Statistics

We used descriptive statistics.

### RESULTS

**Table 1** - Higher Education Institution characteristic concentration  
Graduation Courses in Physical Education

Brazilian Regions	University	University Center	College	Total
North	20 (50%)	8 (20%)	12 (30%)	40 (100%)
Northeast	77 (68%)	3 (3%)	33 (29%)	113 (100%)
Midwest	29 (54%)	8 (15%)	17 (31%)	54 (100%)
Southeast	192 (48%)	98 (25%)	109 (27%)	399 (100%)
South	102 (65%)	20 (13%)	34 (22%)	156 (100%)
Brazil	420 (55%)	137 (18%)	205 (27%)	762 (100%)

Table 2 - Degree in Physical Education that do not provide data on the disciplines of Human Physiology, Exercise Physiology, Nutrition, Sports Nutrition, Football, Futsal.

Brazilian Regions	Graduation Courses in Physical Education		Total
	no data available	data available	
North	22 (55%)	18 (45%)	40 (100%)
Northeast	90 (80%)	23 (20%)	113 (100%)
Midwest	14 (26%)	40 (74%)	54 (100%)
Southeast	167 (42%)	232 (58%)	399 (100%)
South	65 (42%)	91 (58%)	156 (100%)
Brazil	358 (47%)	404 (53%)	762 (100%)

### DISCUSSION

The lack of data available on the websites of higher education institutions, which is around 47% of undergraduate courses in Physical Education in Brazil (Table 2), reflecting a limitation in the depth of this study in terms of characterization of

curriculum regarding to the subjects.

However 53% of undergraduate courses in physical education provides curriculum data on their Web sites and studies of Navarro et al. (2009a, 2009b, 2009c, 2009d) and Navarro and Navarro (2008) achieved through access to available data Websites have come in to demonstrate the presence of Human Physiology, Futsal and Football disciplines turning in only a third of undergraduate courses in physical education, the nutrition discipline in this miserable one tenth and Sports Nutrition discipline in only one fifth of the graduation courses in Physical Education.

In these same studies of Navarro et al. (2009th, 2009B, 2009C, 2009d), Navarro and Navarro (2008) present a very heterogeneous variability in the amplitude of the workload, in other words, minimum of 18 hours and a maximum of 272 hours for these disciplines.

This happened much, probably due the organization and orientation of the education program of the course and the lack of guidance on the guidelines of national character, as shown in Resolution No. 7 of the CNE / CES 2004 and Resolution No. 4 of the CNE / CES 2009 that do not mention minimum hours and maximum of disciplines, and only, the minimum standards in relation to the total workload of the course and the minimum period of payment for the graduation and bachelor's graduation

Accordingly, with the results of this study we can infer that there is a pressing deployment and provision of career information for higher education institutions about their courses on the access of people interested, in this case, the Brazilian population.

Although 55% of undergraduate courses in Physical Education in Brazil are concentrated in universities, 18% in medical centers and 27% in schools, the digital divide is striking, as shown by the data in Table 1 and 2.

### CONCLUSION

In Brazil, 47% of undergraduate courses in physical education curriculum do not provide data regarding to the disciplines of Human Physiology, Exercise Physiology, Nutrition, Sports Nutrition, Football, Futsal in their respective websites.

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### 47% OF GRADUATE COURSES IN PHYSICAL EDUCATION NOT PROVIDE THE INFORMATION IN THEIR CURRICULUM WEBSITES

#### ABSTRACT:

From the Website of each Higher Education Institution in Brazil that offers Graduation Programs in Physical Education, the availability of quantified data of the curriculum subjects of Human Physiology, Physiology of Exercise, Nutrition, Sports Nutrition, Football, Futsal, and organize its concentration in the North, Northeast, Midwest, Southeast, South and aggregation in Brazil, discovering that 47% of Graduate Programs in Physical Education do not provide the curriculum data on their respective Websites.

**KEYWORDS:** Website, Physical Education, Curriculum.

### 47% DES FORMATIONS SUPÉRIEURES EN ÉDUCATION PHYSIQUE PAS FOURNIR LES RENSEIGNEMENTS DANS LEUR PROGRAMME SITES WEB

#### RÉSUMÉ:

Depuis le site Web de chaque établissement d'enseignement supérieur au Brésil, qui offre des cours de premier cycle en éducation physique, nous avons quantifié la disponibilité du programme d'études des disciplines de la physiologie humaine, physiologie de l'exercice, la nutrition, la nutrition sportive, football, futsal, et nous avons aussi organisé leur concentration dans les régions Nord, Nord-Est, Centre-Est, Sud-Est, Sud et l'agrégation au Brésil, découvrant que 47% des cours de premier cycle dans les programmes d'éducation physique ne fournissent pas de données sur leurs sites Web respectifs.

**MOTS-CLÉS:** Site Web, éducation physique, le programme d'études.

**47% DE CURSOS DE POSTGRADO EN EDUCACIÓN FÍSICA NO FACILITARA LA INFORMACIÓN EN SU CURRÍCULO SITIOS WEB****RESUMEN:**

Desde el sitio web de cada institución de educación superior en Brasil, que ofrece cursos de licenciatura en Educación Física, cuantificar la disponibilidad de los planes de estudio de las disciplinas de Fisiología Humana, Fisiología del Ejercicio, Nutrición, Nutrición Deportiva, Fútbol, Fútbol Sala, y organizar su concentración en el Norte, Noreste, Sudeste, Sur y agregación en el Brasil, el descubrimiento de que el 47% de los cursos de pregrado en los programas de educación física no proporcionan datos sobre sus respectivos sitios web.

**PALABRAS CLAVE:** Sitio Web, Educación Física, Plan de Estudios.

**47% DOS CURSOS DE GRADUAÇÃO EM EDUCAÇÃO FÍSICA NÃO DISPONIBILIZAM AS INFORMAÇÕES CURRICULARES NOS SEUS WEBSITES****RESUMO:**

A partir do Website de cada Instituição de Ensino Superior no Brasil que possui cursos de Graduação em Educação Física, quantificamos a disponibilidade dos dados curriculares das disciplinas de Fisiologia Humana, Fisiologia do Exercício, Nutrição, Nutrição Esportiva, Futebol, Futsal, e organizamos a sua concentração na região Norte, Nordeste, Centro-Oeste, Sudeste, Sul e a totalização no Brasil, descobrindo assim, que 47% dos cursos de Graduação em Educação Física não disponibilizam dados curriculares nos seus respectivos Websites.

**PALAVRAS-CHAVE:** Website, Educação Física, Currículo.

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