

SpringerBriefs in Public Health

Fábio Silveira · Arlene Terezinha Cagol Garcia Badoch



# Effective Public Health Policy in Organ Donation

Lessons from  
a Universal Public  
Health System in Brazil

# **SpringerBriefs in Public Health**

SpringerBriefs in Public Health present concise summaries of cutting-edge research and practical applications from across the entire field of public health, with contributions from medicine, bioethics, health economics, public policy, biostatistics, and sociology.

The focus of the series is to highlight current topics in public health of interest to a global audience, including health care policy; social determinants of health; health issues in developing countries; new research methods; chronic and infectious disease epidemics; and innovative health interventions.

Featuring compact volumes of 50 to 125 pages, the series covers a range of content from professional to academic. Possible volumes in the series may consist of timely reports of state-of-the art analytical techniques, reports from the field, snapshots of hot and/or emerging topics, elaborated theses, literature reviews, and in-depth case studies. Both solicited and unsolicited manuscripts are considered for publication in this series.

Briefs are published as part of Springer's eBook collection, with millions of users worldwide. In addition, Briefs are available for individual print and electronic purchase.

Briefs are characterized by fast, global electronic dissemination, standard publishing contracts, easy-to-use manuscript preparation and formatting guidelines, and expedited production schedules. We aim for publication 8–12 weeks after acceptance.

More information about this series at <https://link.springer.com/bookseries/10138>

Fábio Silveira


Arlene Terezinha Cagol Garcia Badoch

# Effective Public Health Policy in Organ Donation

Lessons from a Universal Public  
Health System in Brazil



Springer

Fábio Silveira   
Centro Digestivo e Transplante de  
Órgãos - CDTO  
Hospital do Rocio  
Campo Largo, Paraná, Brazil

Arlene Terezinha Cagol Garcia Badoch  
Central Estadual de Transplantes do Paraná  
Curitiba, Paraná, Brazil

ISSN 2192-3698

SpringerBriefs in Public Health

ISBN 978-3-030-99287-3

<https://doi.org/10.1007/978-3-030-99288-0>

ISSN 2192-3701 (electronic)

ISBN 978-3-030-99288-0 (eBook)

© The Author(s), under exclusive license to Springer Nature Switzerland AG 2022

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Switzerland AG  
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

# Contents

<b>1</b>	<b>The Paraná Model of Organ Donation and Transplant</b> . . . . .	1
	An Overview of the Brazilian Health and Transplant System . . . . .	1
	The Donation As a Consequence of Brain Death Identification . . . . .	2
	Beforehand, Disregard Metrics . . . . .	4
	Understanding the Organization Format . . . . .	4
	The System’s Inspiration . . . . .	9
	How Active Search and Diagnostic Confirmation Work . . . . .	11
	References . . . . .	13
<b>2</b>	<b>Pathway to Convert a Potential in an Actual Organ Donor</b> . . . . .	15
	Donation Effectiveness . . . . .	15
	Confirmation of Brain Death Diagnosis . . . . .	15
	Medical Contraindications . . . . .	17
	Family Authorization . . . . .	17
	Donor’s Care . . . . .	19
	Donor’s Conversion . . . . .	20
	System Logistics Center . . . . .	22
	References . . . . .	24
<b>3</b>	<b>Strengthening the Donation Process</b> . . . . .	27
	Growth Enhancers . . . . .	27
	Expanding the Borders . . . . .	27
	Continuing Education Programs . . . . .	29
	Funding . . . . .	31
	Genetics and Histocompatibility Laboratory Network . . . . .	32
	Awareness Campaigns . . . . .	33
	References . . . . .	34
<b>4</b>	<b>Access, Outcome, and Monitoring of Transplants</b> . . . . .	35
	Transplants . . . . .	35
	Treatment Access . . . . .	36
	Hospitals and Transplant Teams . . . . .	36

Waiting List . . . . .	36
The Beneficiated . . . . .	39
Heart Transplant . . . . .	40
Liver Transplant . . . . .	41
Kidney Transplantation . . . . .	41
Pancreas Transplant . . . . .	43
Corneal Transplant . . . . .	44
Bone Marrow Transplant . . . . .	45
Posttransplant Sector . . . . .	45
References . . . . .	46
<b>5 Interference of the Human Factor in the Efficiency of Paraná’s Transplant System . . . . .</b>	<b>47</b>
The Maturity of the System . . . . .	47
National Projection . . . . .	50
Make a Difference . . . . .	51
Move Out of Your Comfort Zone . . . . .	55
Epilogue . . . . .	56
References . . . . .	57
<b>Index . . . . .</b>	<b>59</b>