



*children*



an Open Access Journal by MDPI

## Risk of Cardiovascular and Metabolic Diseases in Overweight and Obese Children

Guest Editor:

**Dr. Valeria Calcaterra**

Pediatric and Adolescent Unit,  
Department of Internal Medicine,  
University of Pavia, 27100 Pavia,  
Italy; Department of Pediatrics,  
Children's Hospital "Vittore  
Buzzi", 20154 Milano, Italy

Deadline for manuscript  
submissions:

**closed (20 December 2021)**

### Message from the Guest Editor

Pediatric obesity remains a significant and prevalent public health concern. The major factors affecting weight regulation and the development of childhood obesity include genetic, environmental factors, developmental influences and the complex interactions between them. Children and adolescents with obesity are at major risk for developing a range of comorbid conditions, including cardiovascular and metabolic disease, which may significantly affect their daily lives as well as increase mortality risks.

This Special Issue aims to review the effects of obesity on health and well-being, to consider the latest findings on the risk factors associated with cardiovascular and metabolic diseases in pediatric patients with obesity, to explore the mechanistic understanding, development of novel diagnostics, and potential therapeutic targets within cardiovascular, metabolic diseases, and to underline the crucial role of the weight management strategies that may help patients to achieve and maintain weight loss in order to prevent obesity-related complications. Preventive interventions in children and adolescents may ameliorate the future burden of weight-related diseases.



[mdpi.com/si/63612](https://mdpi.com/si/63612)

**Special** Issue



# children



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Paul R. Carney**

Departments of Child Health and  
Neurology, University of Missouri,  
400 Keene Street, Columbia, MI  
65201, USA

## Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Pediatrics) / CiteScore - Q2 (Pediatrics, Perinatology and Child Health)

## Contact Us

---

*Children* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/children](http://mdpi.com/journal/children)  
[children@mdpi.com](mailto:children@mdpi.com)