



BIO-STREAMS

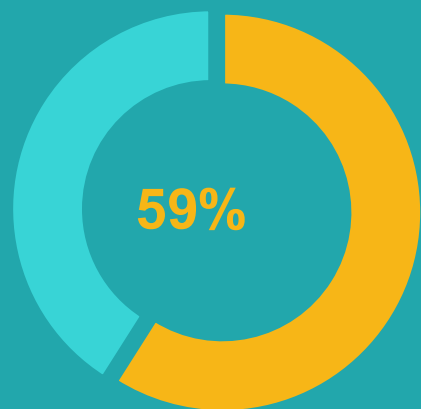
A multi-pillar framework to address childhood obesity by building on an EU biobank, micro-moments and mobile recommendation systems



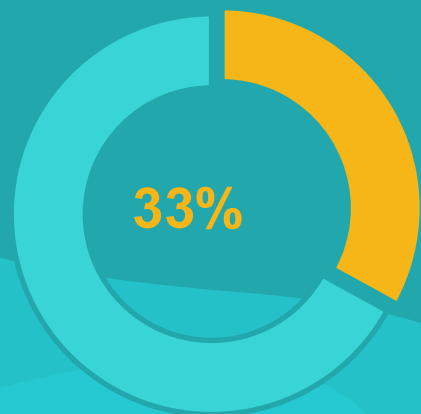
Did you know that according to the World Health Organization (WHO) European Regional Obesity Report 2022, **obesity rates have reached epidemic proportions across the European Union. Shockingly, it affects nearly 1/3 children.**

That's why BIO-STREAMS exists – we're on a mission to combat this pressing issue by combining data-driven research, prevention measures, and community participation to provide a holistic approach to reducing obesity rates among children and adolescents.

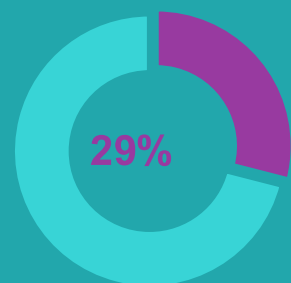
European obesity and overweight rates



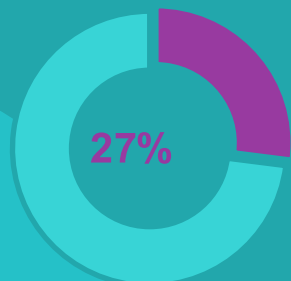
Adults



Children



Boys



Girls

Obesity prevalence on childhood age groups

Globally

Year	Under 5 years old	5 to 19 years old
2016	±4.4 Million	> 340 Million

Europe

Year	EUROPE 6 to 9 years old	SOUTH EUROPE 6 to 9 years old
2019	> 398 K <i>(severe obesity)</i>	1/5 <i>(severe obesity)</i>



Bio-Streams, a Horizon Europe Research and Innovation project, is designed to address the growing epidemic of underage obesity in the European Union. We aim to do this by providing:

- **Improved data usage** (health & socioeconomic) to decipher the transition to overweight / obesity
- **Personalised behavioural** pathways on nutrition & activity
- **Stronger liaisons** among research, healthcare & community for policy penetration and citizen awareness



Bio-Streams mobilises a diverse group of partners with clear in-project duties to design, create and deploy the following in multiple settings involving



7 hospitals, 6 EU countries



5 school sites, 5 EU countries



The Bio-Streams project is a 4-year (2023 – 2027) Horizon Europe Research and Innovation Action. Bio-Streams brings together 30 partners from 15 countries across the European Union. This cross-country network leverages the expertise and relationships of its partners, ensuring seamless collaboration and the prevention of knowledge gaps.



bio-streams.eu



Co-funded by
the European Union

Project funded by



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**