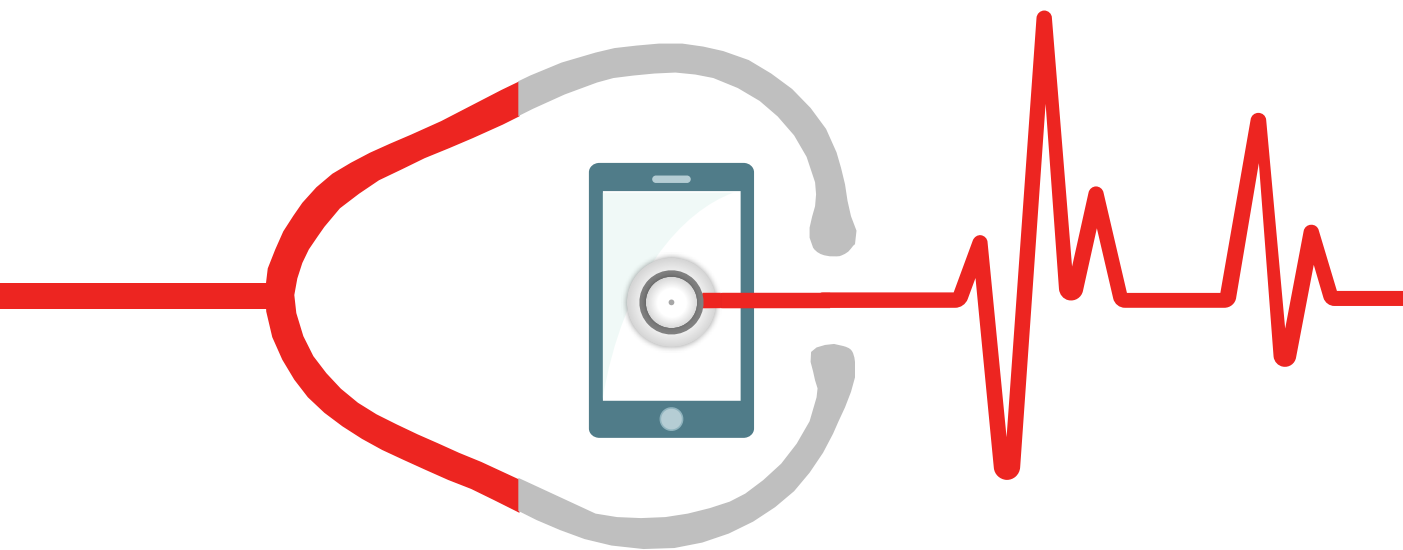




HappyAir
SmartCommunity
Inspiring Kids



#HappyAirInspiringKids

**Severe Asthma
Lovexair Foundation**

Happiness

Happiness is a state of mind felt by people who feel fully satisfied for making the most of what they wish for in life, or enjoying something which feels good.

If children live more happily and understand how important it is, to take care of themselves, **they can also live their dreams, with confidence and joy**, have more active lives and enjoy their childhood.

We should all live like this! **Health and well-being are our gifts, we have to protect and appreciate them.** I do it every day.

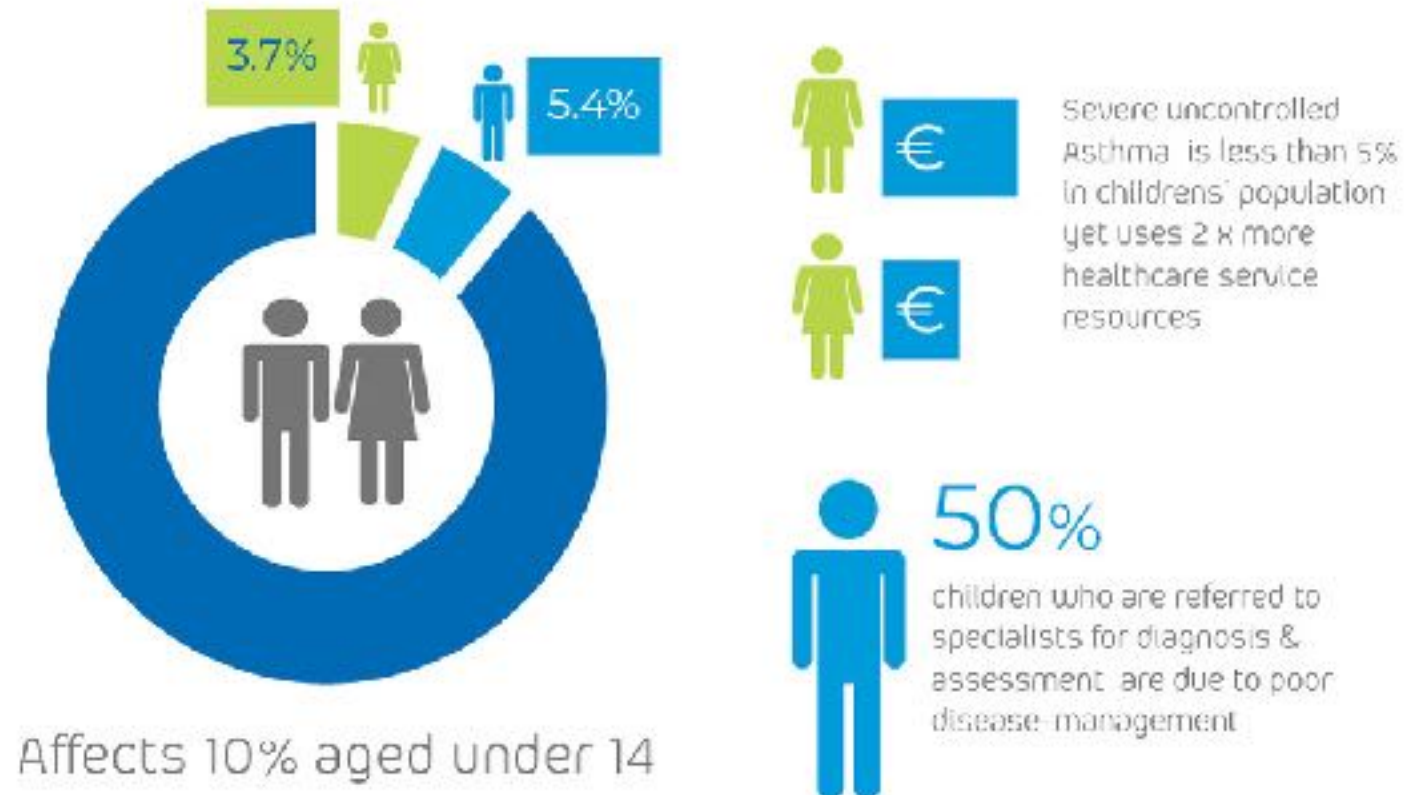


Arran Strong (HappyAir Ambassador)

Prevalence

Childhood Asthma: Prevalence

Spain: 2017

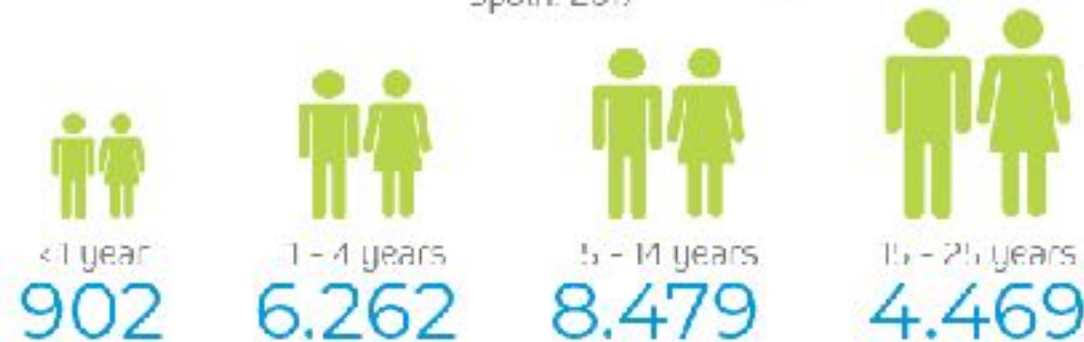


Hospital Admissions and Healthcare expenditure



Severe Asthma in Children: Hospital Admissions

Spain: 2017



Severe Asthma in Children: Healthcare expenditure

Data of Spain: 2017



1 in 8 children have a limited lifestyle:
They visit their GP 1.9 x more than other
children, 2.2 x more to emergency services
& have 3.5 x more hospital admissions.

The Challenge



Elena Marti (HappyAir Ambassador)

Lovexair Foundation, with the help of our Young Ambassadors **Arran Strong** an Alpha & **Elena Marti** asthma affected, are committed and active young athletes who pursue their lifetime goals and dreams. They have taken on **the challenge of raising funds** for an R&D Project for **children with severe asthma** **#HappyAirInspiringKids**



Arran Strong (HappyAir Ambassador)

Project: Authors

Main Researcher:

- Inés de Mir Messa, MD, PhD. Specialist in Pediatric Pulmonology. Head of the Pediatric Asthma Unit. Hospital Universitario Vall d'hebron

Collaborators:

- Raquel Sebio García, PT, PhD. Lecturer at School of Health Sciences TecnoCampus, University Pompeu Fabra. Institut d'Investigacions Biomèdiques Agustí Pi i Sunyer (IDIBAPS). Clinical and Trainer Officer Lovexair Foundation.
- Eva Maroto. PT, MSc. Director of Patient Development. Lovexair Foundation
- Teresa Garriga-Baraut, MD, PhD. Specialist in Allergology. Pediatric Allergy Unit. Director of the Pediatric Allergic Asthma Unit. MD. PhD. Vall d'Hebron University Hospital.
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- María Araceli Caballero, MD. Pulmonology and Allergology Unit. Specialist in Pediatric Asthma Parc Salut del Mar Barcelona
- Jordi Vilaró. PT. PhD. Full-time lecturer at FCS Blanquerna. University Ramon Llull (Barcelona). Vice-dean of Research and Post-graduate Courses. Member of the Lovexair advisory board.
- Shane Fitch. Lovexair Foundation CEO.

Project: Goals

Main Objective:

- Evaluate the feasibility and preliminary effectiveness in online/offline care support and symptom control by using a web-based interactive platform (HappyAir®) & HappyAirSmartCommunity in children with moderate to severe, persistent and difficult-to-control asthma coaching them in a care plan & using digital devices.

Secondary Objectives:

- Explore the acceptability and usability of using digital devices & the platform, amongst children and young adolescents.
- Assess the effectiveness in reducing exacerbations, asthma attacks and/or non-scheduled hospital visits (i.e.emergency services).

Project:

Randomized, multi-centre, single-blinded controlled trial :

- Vall d'Hebron Hospital (Barcelona).
- Santa Creu i Sant Pau Hospital (Barcelona).
- Hospital del Mar (Barcelona).
- Parc Taulí Hospital (Sabadell).

Sample:

- **60 patients** (30 patients per cohort) recruited from the pediatric allergy and respiratory services.

Project: Inclusion Criteria

Inclusion Criteria:

- a) Children between 6 and 18 years old;
- b) Diagnosis of moderate to severe persistent asthma according to the GEMA guidelines;
- c) Difficult to control asthma according to a scoring in the Asthma Control Questionnaire (ACQ) of 1.5 points;
- d) Access to internet and a smartphone, tablet or computer;
- e) Ability to understand and use the web-based platform (in children <12 years with the support of their tutor or legal guardian)
- f) Informed consent if under 18 years (carried out by their tutor or legal guardian)

Project: Randomization.

Randomized:

Control Group (CG):

- They will receive standard care consisting of periodic visits, to their Allergy or Pediatric Respiratory Care Services Unit, in their respective hospitals.
- They will receive one educational session regarding the correct use of their inhaler devices.

Intervention Group (IG) will:

- Receive one educational session regarding the correct use of their inhaler devices.
- Receive access to the HappyAir digital platform.
- Be assigned a HappyAir Coach, a healthcare professional specializing in respiratory and digital health care support.
- Have access to the platform for 6 months, during which time they will learn how to take control of their illness and active living, complete a daily care plan with personal information with clinical , physiological and psychological or social data and complete the Asthma Control Questionnaire (ACQ) once a week, to record their progress in asthma control.

Project: Outcomes.

Evaluations:

- At baseline, prior to randomization.
- Post-intervention (6 months).
- At follow up (12 months).

Main measurables to be delivered:

- a) Asthma Control Questionnaire (ACQ);
- b) Number of exacerbations and/or attacks, during study period.
- c) Feasibility of the programme (calculated from the total number of patients who consented to be recruited and who complete the intervention study period)

Budget

Adapting HappyAir digital platform to the integral care plan for children and young people with severe asthma.



Development of a digital recreational activity to promote adherence and empowerment.



IT services for platform management during the project.



Legal services with DPO guidance and compliance for GDPR regulations on privacy and security and contracts with ethical committees in multi-centric framework.



Connecting innovative digital devices or ensuring data transfer with the HappyAir platform to manage data control and test device usability.

Budget

Project management by the Foundation's technical-educational-clinical team in collaboration with the specialist medical team connecting via the multi-centre network.

Development of educational materials for severe asthma in this age-group in online/offlines resources.

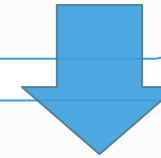
HappyAir Coach Training to guide patients in their care plan and act as agents when needed with healthcare professionals.

Monitoring and accompaniment of children in their daily lives, support for family members and health specialists involved.

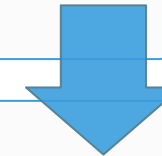
Organization of face-to-face workshops for families and children in places near hospitals.

Budget

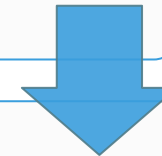
Development of the R&D project & Data Management Construct to publish as advance and when the study, is completed.



Biostatistical analysis of the results.



Publication and presentation of the results, reports and materials in online digital, specific events, conferences or journals, related to respiratory and digital health.



€ 48,000*

How can you help us?

Opportunity	Bronze	Silver	Gold
Logo on all online and offline materials that are published related to the project #HappyAirInspiringKids	✓	✓	✓
Receive a report and audio-visual material of the study , events and workshops related , as well as statistical data about the projects impact for partners.	✓	✓	✓
First-hand information and recognition of the sponsorship contribution in all digital channels of Lovexair and HappyAir (2 websites), as well as in our social networks (Facebook, Twitter, LinkedIn, Instagram)	✗	✓	✓
Online conference to determine the best way to support your participation.	✗	✓	✓
Networking Opportunities in related events or activities.	✗	✗	✓
Direct mention in any media (radio, television, print and online media) in which we participate as part of the project.	✗	✗	✓
	€ 5.000	€ 10.000	€ 20.000



More information about the clínical project:
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Media & Sponsorship
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Thanks!