



For a Brighter Future for Children & Adolescents with Cancer



SIOP Europe
the European Society for Paediatric Oncology

*Create a brighter future for children
and adolescents with cancer*

International Childhood Cancer Awareness Day (ICCD 2019)

6 March 2019
15h00 – 17h00

European Parliament
Brussels, Belgium



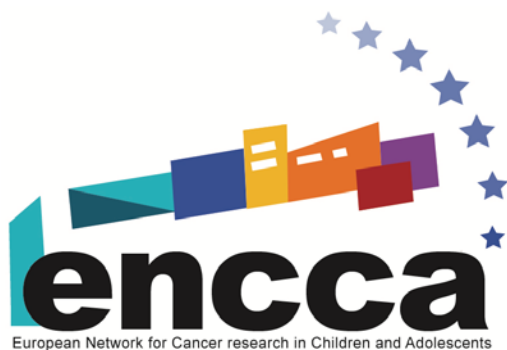
New Horizons for Research and Innovation in Life-Threatening Paediatric Cancers

6 March 2019
European Parliament, Brussels, Belgium

Seven Medical and Scientific Objectives

1. **Innovative treatments** translated into standard care
2. **Precision cancer medicine:** using science to guide decisions on best therapies
3. **Tumour biology:** accelerate translation from basic research to benefit patients
4. **Equal access:** best treatment, best research throughout Europe
5. **Teenagers and Young Adults:** specific needs of teenagers and young adults
6. **Quality of survivorship:** understand the consequences of cancer treatments and improve quality of life for survivors
7. **Causes of cancer:** to understand the causes of paediatric cancers and develop prevention strategies

Research built on Existing Frameworks and Expertise



European
Reference
Network

for rare or low prevalence
complex diseases

Network
Paediatric Cancer
(ERN PaedCan)

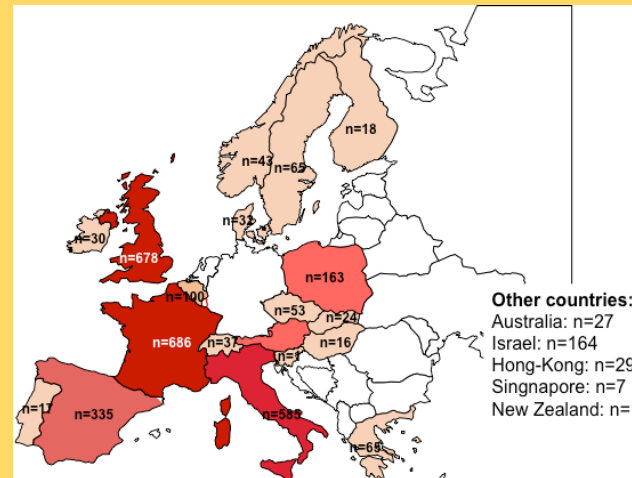


A MISSION TO BEAT CHILDHOOD CANCER

Cure More and Cure Better : Half the deaths and half the burden by 2030

Develop
effective
and
less toxic
therapies in
standard care

European Clinical Trial Networks



**Ensure equal
access to
innovation
and
standard
treatments
across Europe**



ACCELERATE
INNOVATION FOR CHILDREN AND ADOLESCENTS WITH CANCER



Innovative Therapies
for Children with Cancer
ITCC
European Consortium



JARC
JOINT ACTION ON RARE CANCERS



Partner
Paediatric Rare Tumours
Network - European Registry



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Prevent long-term morbidity and death



Systematic use of all available research and healthcare data

- Opportunities to develop e-Health systems



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- European Patient Identity Management system (EU-PID)
 - Integrated research data

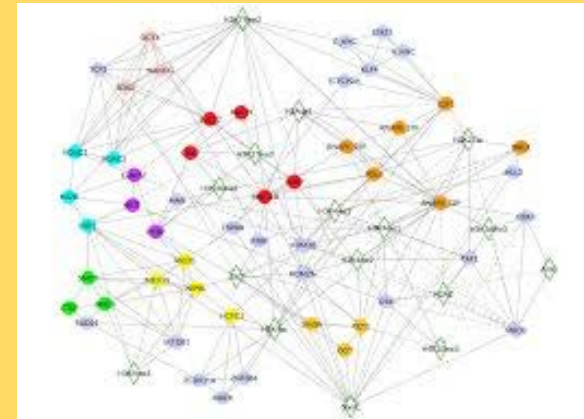
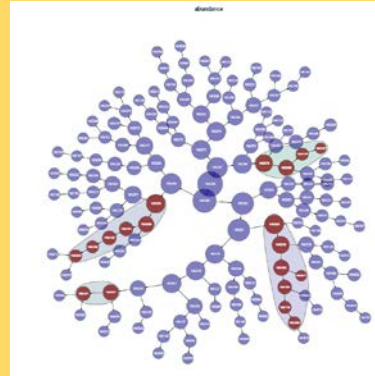


Develop Artificial Intelligence for diagnosis and treatment

- Multiple Research datasets to interrogate
 - Genomics data
 - Clinical Trials data
 - Integrated radiotherapy data
 - Imaging datasets



Elucidate the role of the immune system and epigenetics for therapeutic interventions



**Understand the
causes of
childhood
cancers for
prevention
strategies**

*Why do
some
children get
cancer*



*Is it possible
to prevent*

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