

EFCUNI

european foundation for
the care of newborn infants



european standards of
care for newborn health



Kindly hosted by
**Representation of the
Free State of Bavaria
to the EU**



Newborn Health Reloaded

Shaping our babies' future



Shaping future for our babies, families and society



around 10% of all newborn babies are born preterm
690.000 babies/year in EU



Shaping future for our babies, families and society



**Disability-adjusted
life years (DALYs):**
lost years of life +
years of life with
disability

DALY due to preterm birth = 3,1 %

1990-2010: a systematic analysis for „Global Burden of Disease“

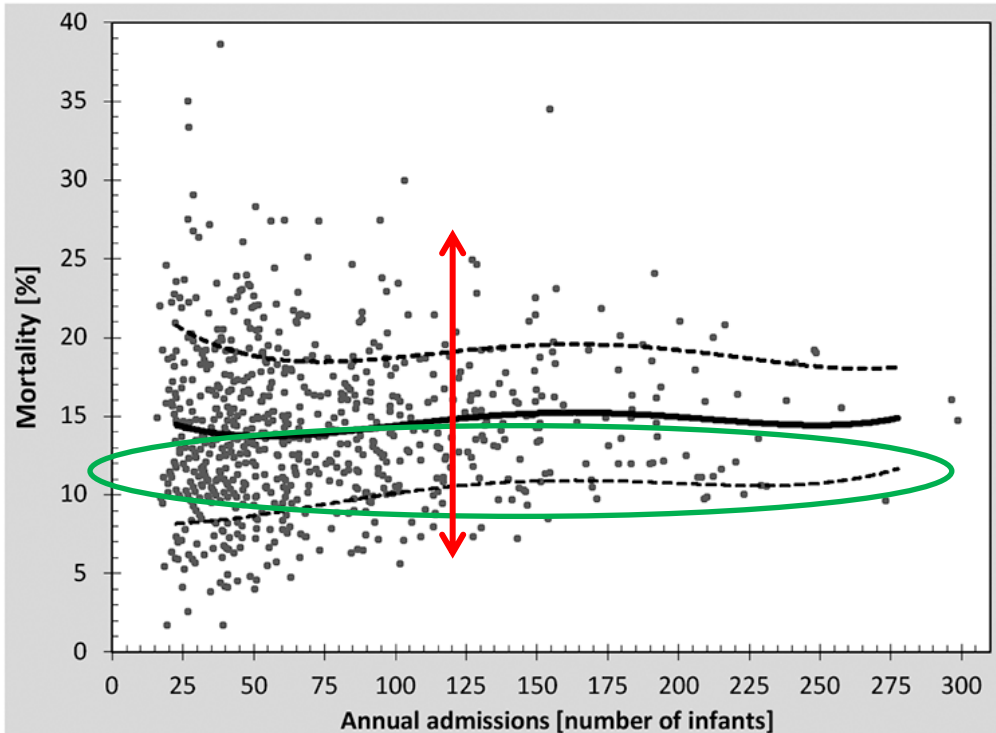




Yes, we can.

Opportunities and challenges for the care of newborn babies

Yes, we can....,



Death: 5 – 25- 30%

Complications/diseases:

NEC: 2–14 %

ROP: 10-50 %

BPD: 20-89 %

IVH III-IV/PVL: 26-60%

but there are
significant **variances** between centers, regions and countries

Quality Indicators but Not Admission Volumes of Neonatal Intensive Care Units Are Effective in Reducing Mortality Rates of Preterm Infants
Niels Rochow, Erin Landau-Crangle, Saouyoung Lee, Holger Schünemann, Christoph Fusch, PlosONE 2016



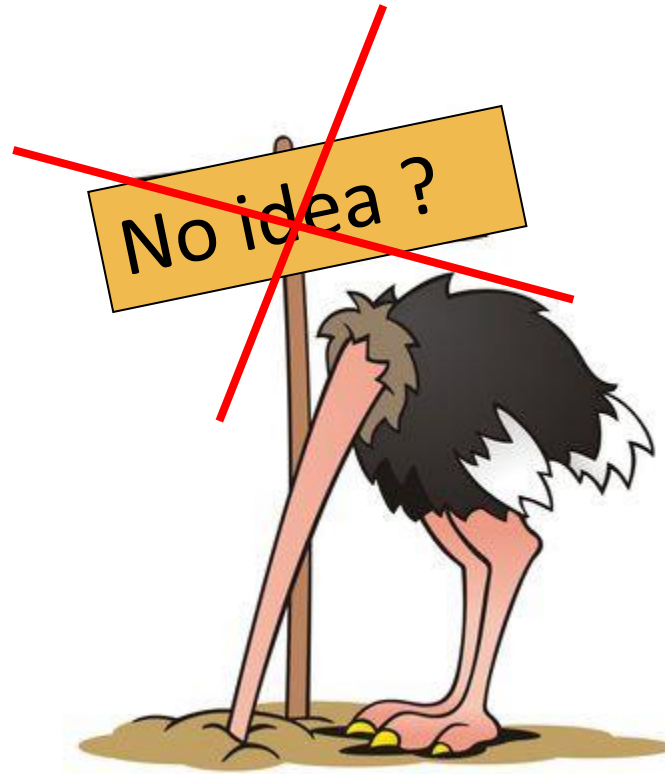
**Is it acceptable
that survival and
the chance of healthy growing
depends to that extend on the place of birth
within Europe ?**

What are the differences?

Yes, we can....



NO lack of knowledge



but there are always reasons and a lot of barriers ...

Yes, we can....



Peri-/Neonatal care



Medical care



Developmental care



Family integrated care



Translating knowledge into clinical practice!

Yes, we can....



NeoPAss, a multi-professional clinical care pathway program for family integrated care

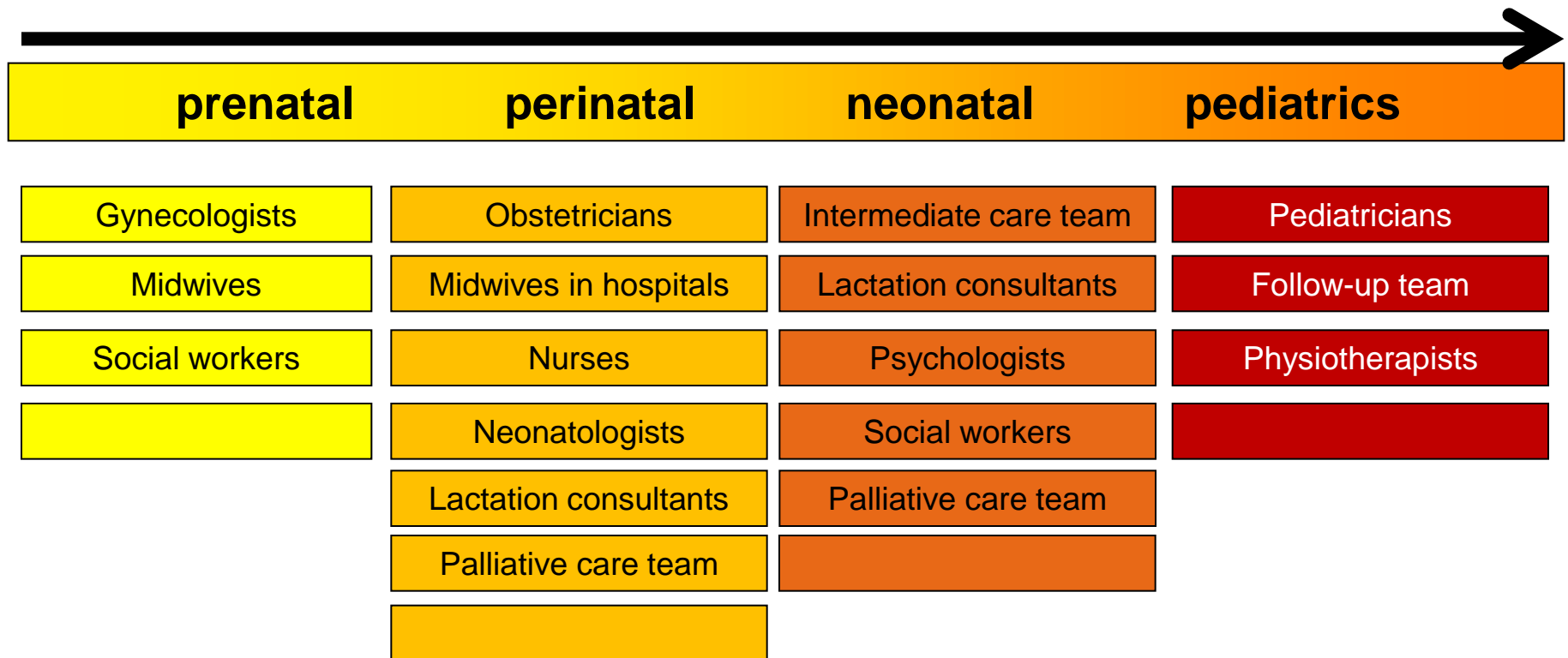
- a management tool
- based on **evidence and standards of care** for patients and families,
- in which the **different tasks (interventions)** by **the professionals** involved in the patient & family care
- are **defined, optimized and sequenced** in a **clinical care pathway**.



Yes, we can....



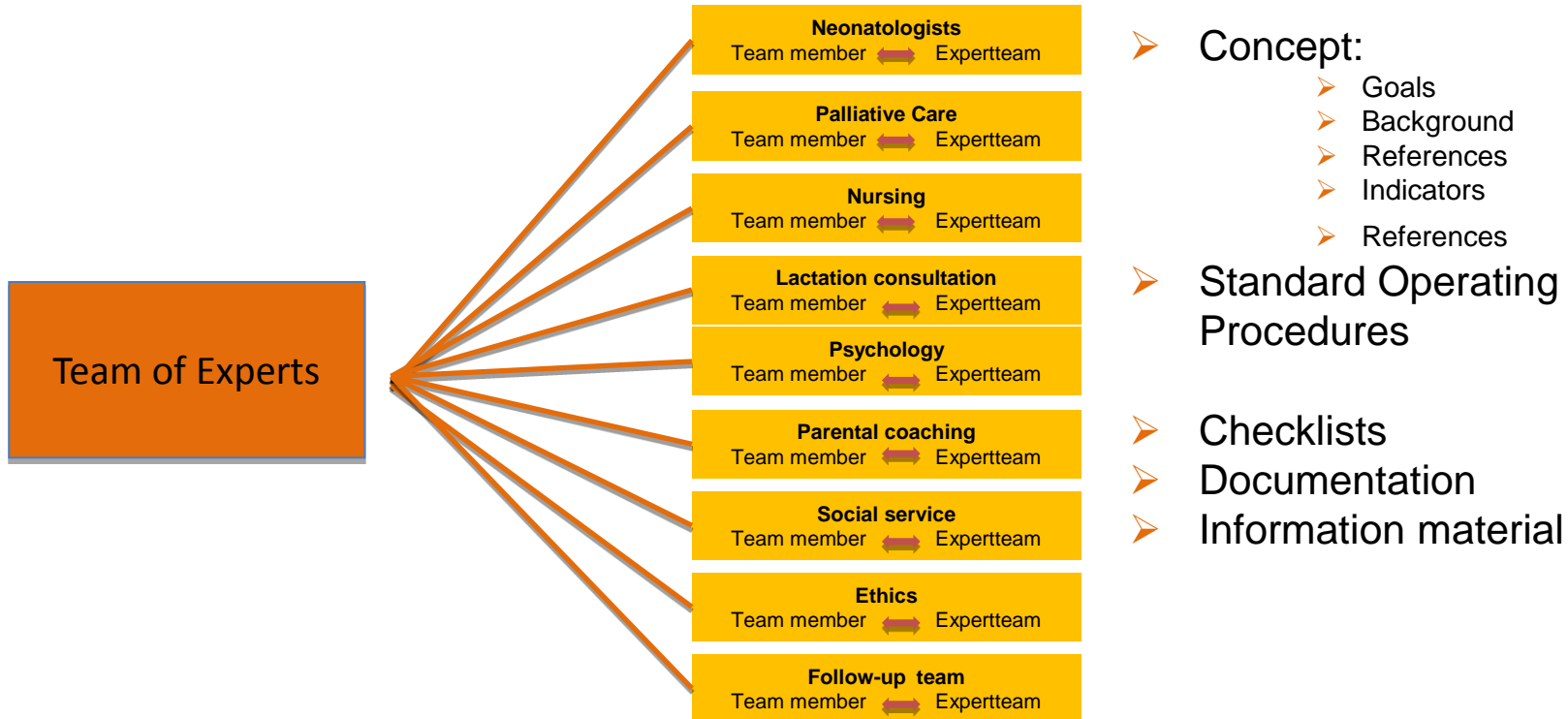
- Key elements:
- focus on the family's overall journey
 - improve interfaces in a network



Yes, we can....



Key element: multidisciplinary communication and standards of care



Yes, we can....



Key element: case- & care management from belly to the age of 2 years



Case & Care Management



Yes, we can....



Function: clinical care pathway program for family integrated care



Structure: Family integrated care center





Watch yourself

➤ <https://www.youtube.com/watch?v=xey9DWeFLvk>

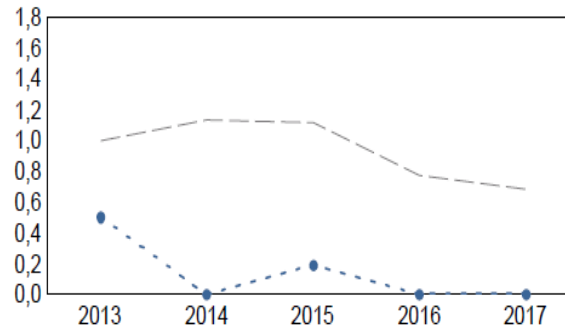
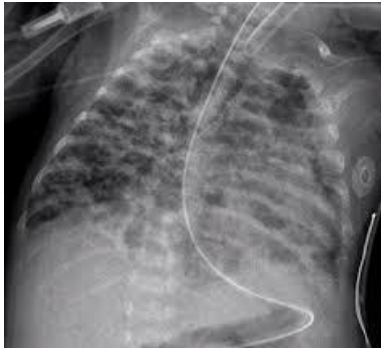




Yes, we can.

Opportunities and challenges for the care of newborn babies

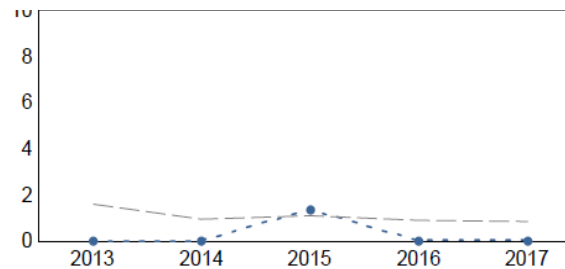
Check: outcome



BPD:

Published Data: 5-89%

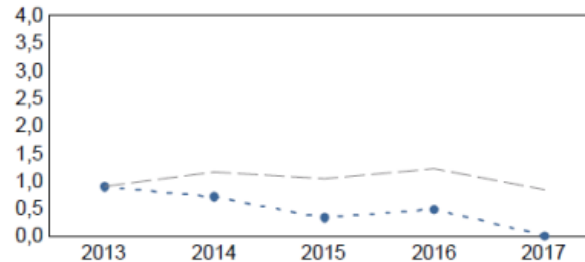
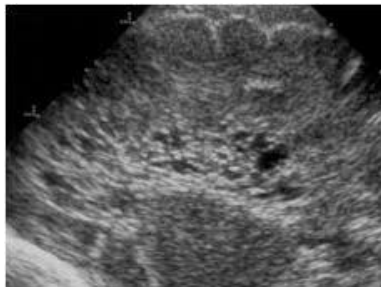
Passau: around 2-4%



NEC:

Published Data: 2-14%

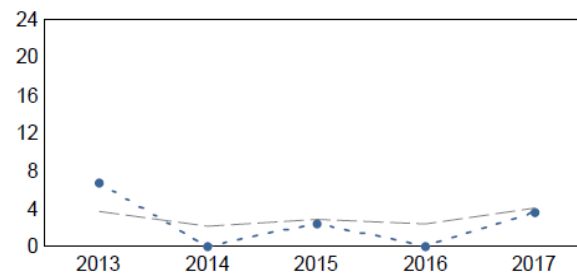
Passau: around 1-2%



IVH III-IV/PVL:

Published Data: 26-60%

Passau: around 5%



ROP

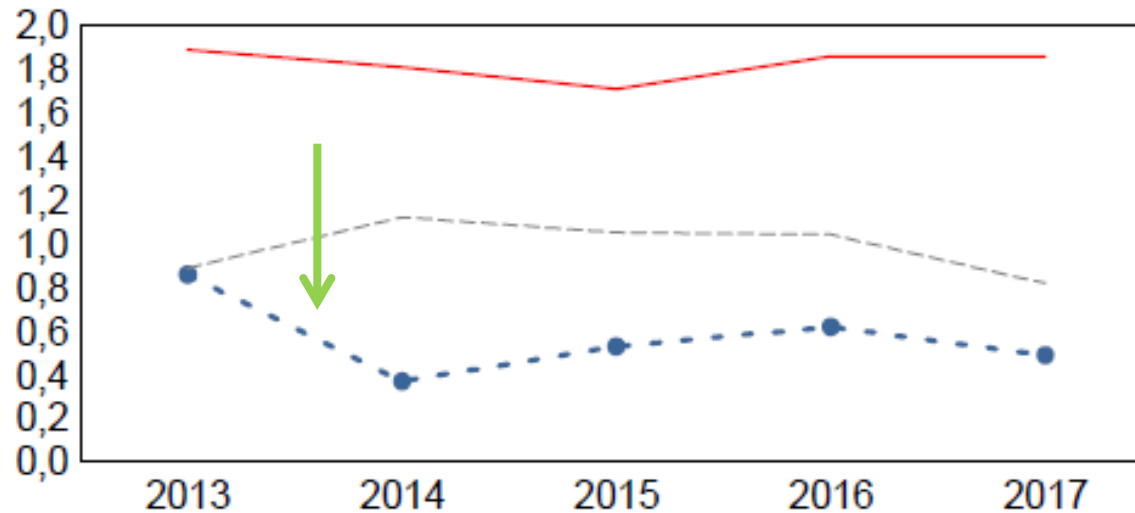
Published Data: 10-50%

Passau: around 5-10%

BAQ, Bavaria, Germany



Quality index for the care of preterm born infants (Death, ROP, BPD, NEC, PVL, IVH)



30-50% less complications than the german average since
intervention !

Check: outcome



Nosocomial infections per 1000 days

Year	Events		patients	value
	observed	expected		
2016	1	5,99	285	0,17
2017	2	5,64	230	0,35

Presence of parents are NOT a risk factor but
protective
for infection of the baby



Yes, we can.

Opportunities and challenges for the care of newborn babies

Yes, we can....



Factors of success

- Creating **meaningfulness** and **one vision** for all partners involved
- **Focused** on **one goal** ...
- **Common action** (owner, administration, medical director, team)
- **Fundraising campaign** and ensuring support of the regional population and politicians



Für ihn bauen wir um.

Nicklas (2 Monate), 6 Wochen zu früh geboren

 **Wir bauen fürs Leben. Helfen Sie mit.**
Spenden Sie für die Gesundheit unserer Kinder.

Was freigesetztes und krankes Kinder einen besten Umgang am meisten brauchen, sind Familien, die für sie da sind. Da sie strecks und in den Arm nehmen können – diese Nähe hilft beim Überleben. Wir machen diese Nähe möglich – durch das Umbau des Eltern-, Baby- und Familienzentrum sowie über das neue Spezialambulanz Zentrum. Vielen Dank und Glück für die Zukunft unserer Kinder.

Spendenkonto GE 6, VR-Bank Passau eG, BIC: 76090000 www.wirbauenfuerleben.de

Kinderklinik Dritter Orden ♦ Passau
Zentrum für Kinder und Jugendliche



Yes, we can....



Factors of success

- Translating knowledge into clinical practice using standards of care and clinical care pathways
- Focusing on processes: Child, families and team members
- Focusing on needs: Child, families and team members
- Focusing on interfaces and collaborations in a perinatal network
- Humans in a
- middle sized specialized unit



Yes, we can....



there are a lot of barriers ...,



but more reasons to act....

Yes, we can....



The best investment ever....



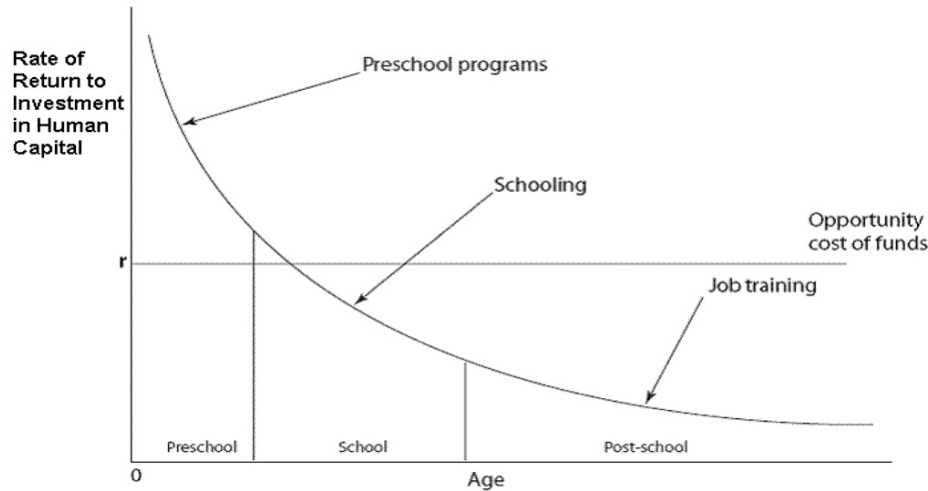
prenatal

perinatal

neonatal

pediatric

Rates of Return to Human Capital Investment Setting
Investment to be Equal across all Ages



Doyle, Heckman et. al. 2007 Early Childhood Intervention: Rationale, Timing and Efficacy*





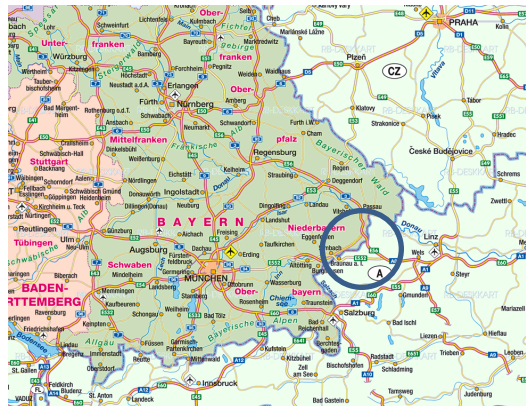
Warm welcome !



2018

Beste Arbeitgeber™

Gesundheit & Soziales



For the
best start in life.



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Example: a clinical care pathway based in standards of care on nutrition

