

COMeN

All for the healthcare provider

C60

Neonatal monitor



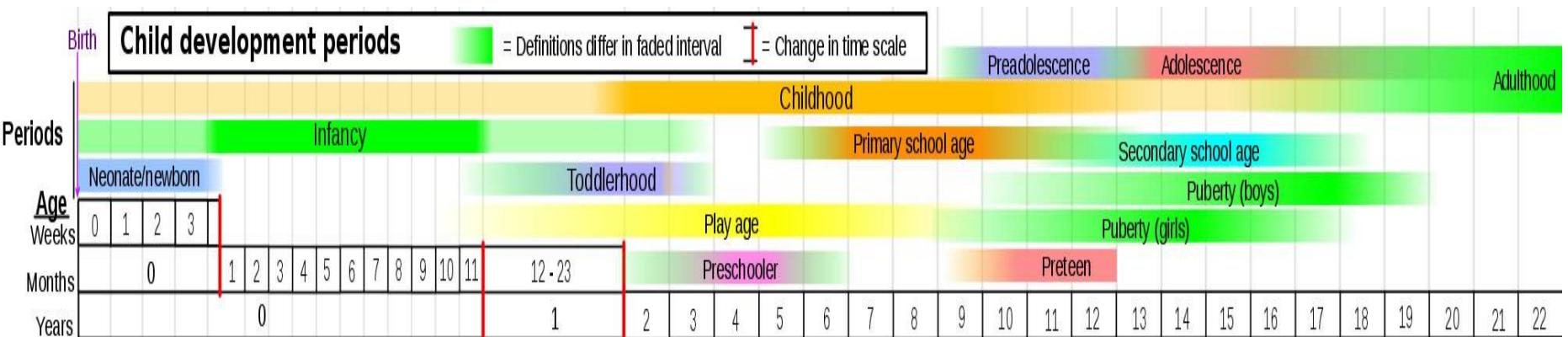
Care , when life starts...

- ◆ The definition of Neonate
- ◆ Why we need neonatal monitor
- ◆ The present situation for neonatal monitor
- ◆ What C60 brings to us



The definition of Neonate

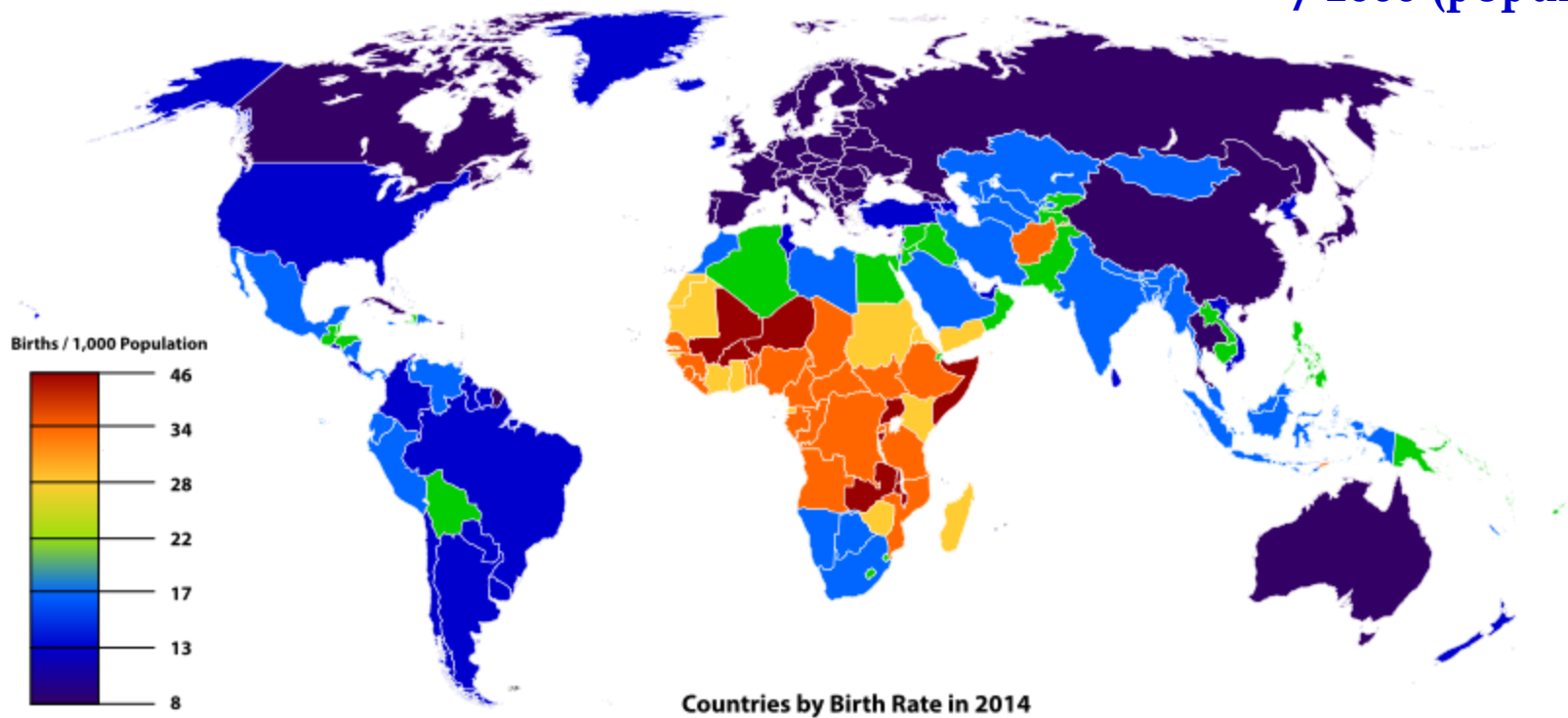
Neonates: 0-28 days after birth



Why we need neonatal monitor ?

Birth Rate of the world

/ 1000 (population)



Source: CIA-world

Mortality of Neonates :

In 2016, 46% of all under 5 child deaths were among newborn infants, babies in their first 28 days of life (the neonatal period)—up from 40 % in 1990.

Globally 2.6 million children died in the first month of life—approximately 7 000 newborn deaths every day with about 1 million dying on the first day and close to 1 million dying within the next 6 days.

Children who die within the first 28 days of birth suffer from conditions and diseases associated with lack of quality care at birth or skilled care and treatment immediately after birth.

The main killers of children under 5 in 2016 included preterm birth complications, pneumonia, intrapartum related events, diarrhoea, neonatal sepsis and malaria.

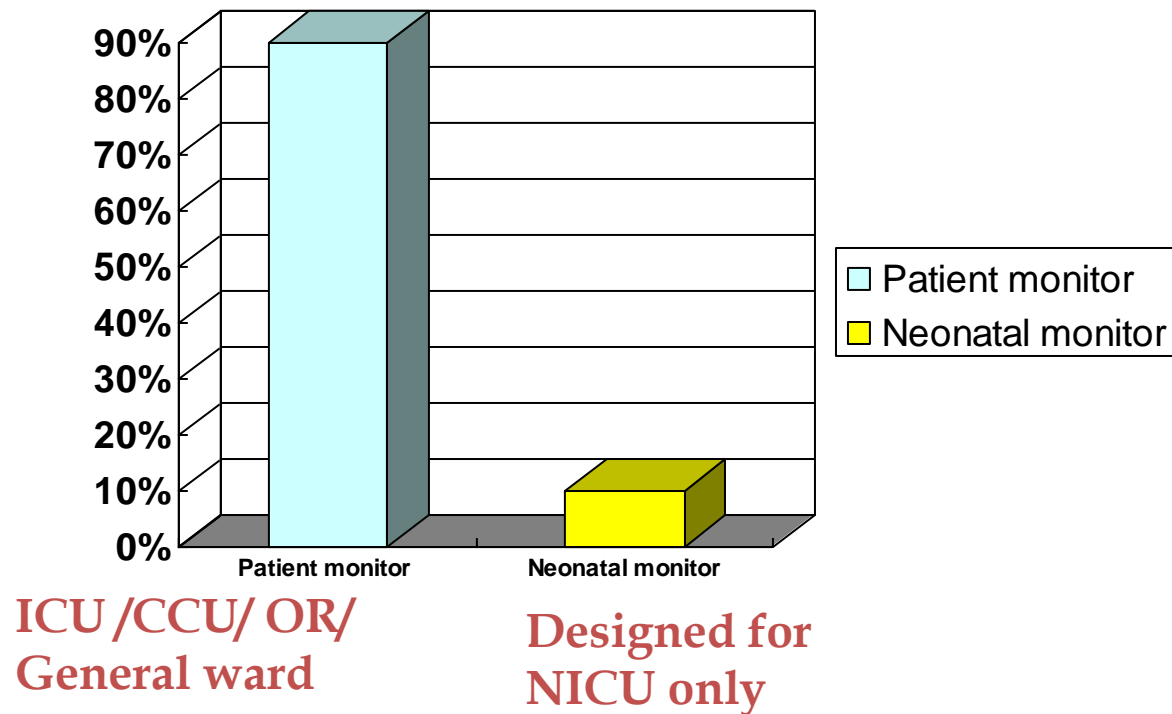
Source: World health report 2017



The present situation for neonatal monitor

Market

Few other company is engaged in Neonatal Monitoring market.



Problem

Most monitors can not be accurate of all the vital signs of neonate because the special parameter range of HR, RESP, SpO₂, and NIBP

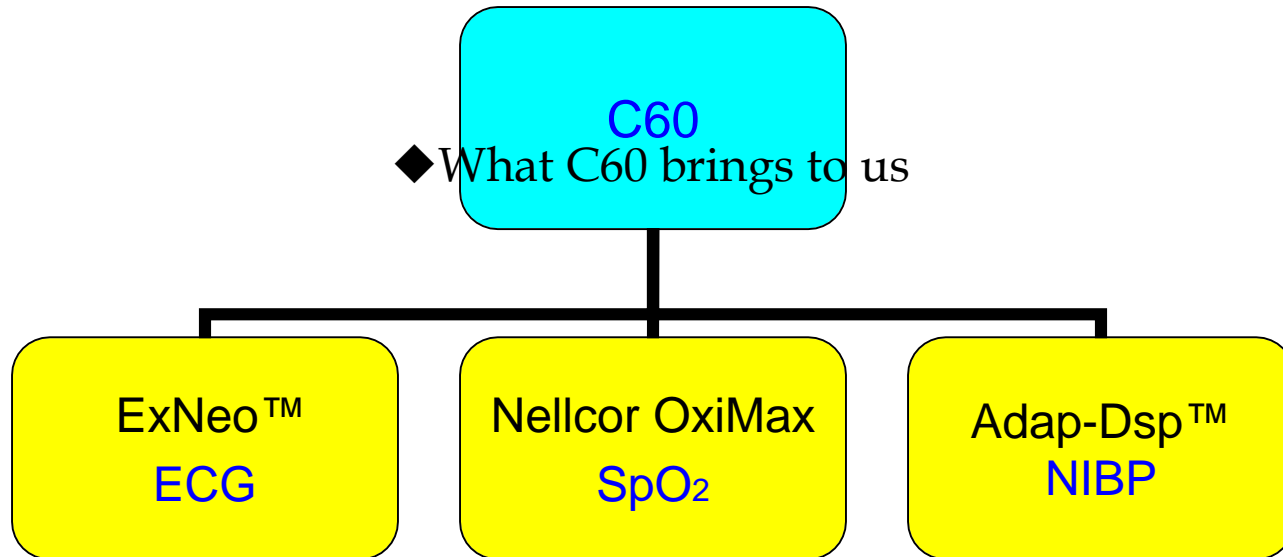
VITAL SIGNS\patient	Neonate	Adult
HR	90-180bpm, with wide range	60-100bpm
RESP	30-50/min	16-20/min
NIBP	SYS: 55-90mmHg BP DIFF: 15-20mmHg low perfusion	SYS: 90-140mmHg BP DIFF: 30-50mmHg relatively high perfusion
TEMP	close to adult, but neonates can not produce much heat, which leads to low insulation	stable temperature
SpO ₂	94%-100% low perfusion	94%-100% relatively high perfusion



**NICU needs specialized
neonatal monitor!!!**

What C60 brings to us

Technology Innovation



ExNeo™ ECG Technology

Much higher sensitivity ECG module to assure accurate measurement

Special 3-lead ECG cable and electrodes

Anti-motion respiration technology, with asphyxiation alarm



Masimo SpO2: Nellcor OxiMax

Use Masimo SpO2 technology, Specialized neonatal suffocation self-saving function equipped with oxygen density monitoring function

LoSat™ Technology

Expanded LoSat™ accuracy from 60% to 100%
The best accuracy in neonates from 70% to 100% ± 2



Adap-Dsp™ NIBP Technology

Avoid effect from low blood pressure and low blood perfusion of neonate

Enhance capability of anti-interference, especially in movement status.

Soft & hard over-pressure protection

All of the accessories pass the EMC and Bio-compatibility test, and have been testified specially for neonate use.





Apnea Self-saving monitoring



Unique neonatal Apnea Self-saving monitoring solves the suffocation symptom brought by Apnea neonatorum, gives superior care to the neonates.



Oxygen concentration monitoring function



Medical stuff can command and acquire the history of incubator oxygen density through monitoring oxygen density with oxygen density sensor.

Easy to use



- ◆ Handwriting input

- ◆ 8.4" TFT touch screen, support handwriting input

Extended functions:

- ◆ USB port: can extend memory, easy to save files in computer and read cases, can connect Lenovo/HP and other printers.

- ◆ Network port: wired/WIFI network to connect up to 128 beds to central monitoring system.

- ◆ Built-in WIFI module optional.

Easy to use



Portable design

Lightweight and compact, easy to carry.
Lithium battery (standard config) with over 4hrs working time.



Various mounting solutions

Easy to mount on the wall, trolley or IV pole, save space.

Working with Incubator



A specialized monitor for NICU

Thank you!