

FICare in NICU of a tertiary center of China

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Hong Kong University - Shenzhen Hospital
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香港大学深圳医院

The University of Hong Kong-Shenzhen Hospital



NICU
H K U · S Z H
Family Centred Care



Disclosure statement

- The speech have no conflict of interest, financial or otherwise
- The two speakers have no conflict of interest for disclosure statement

Shenzhen : coastal city in south China

Population : 20 millions



HKU-Shenzhen Hospital



Hongkong Univeristy -Shenzhen Hospital

- Tertiary public general hospital

Totally 2,000 beds

High risk maternal center

8000 live birth / year

Neonatal department

L3: 20 beds

L2: 16 beds

Inborn and out born: 2000/y

Surgical NICU

Cardiovascular surgery

Transport system

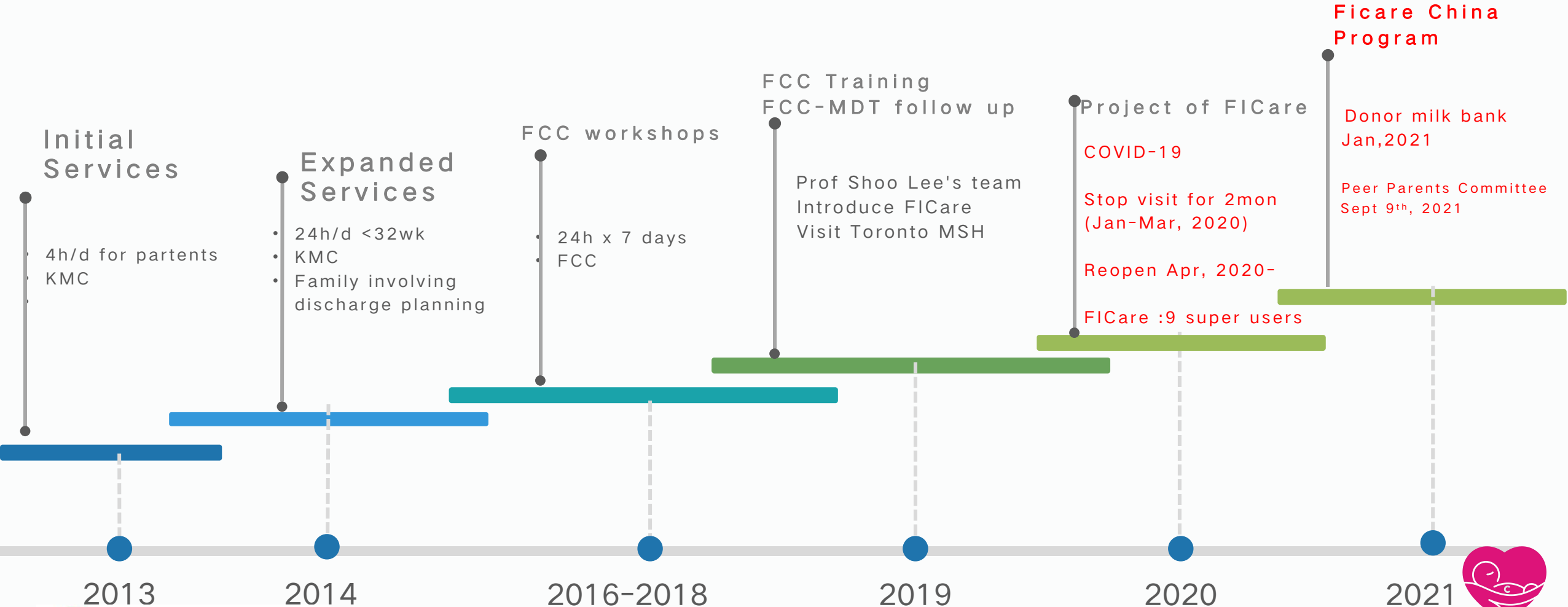


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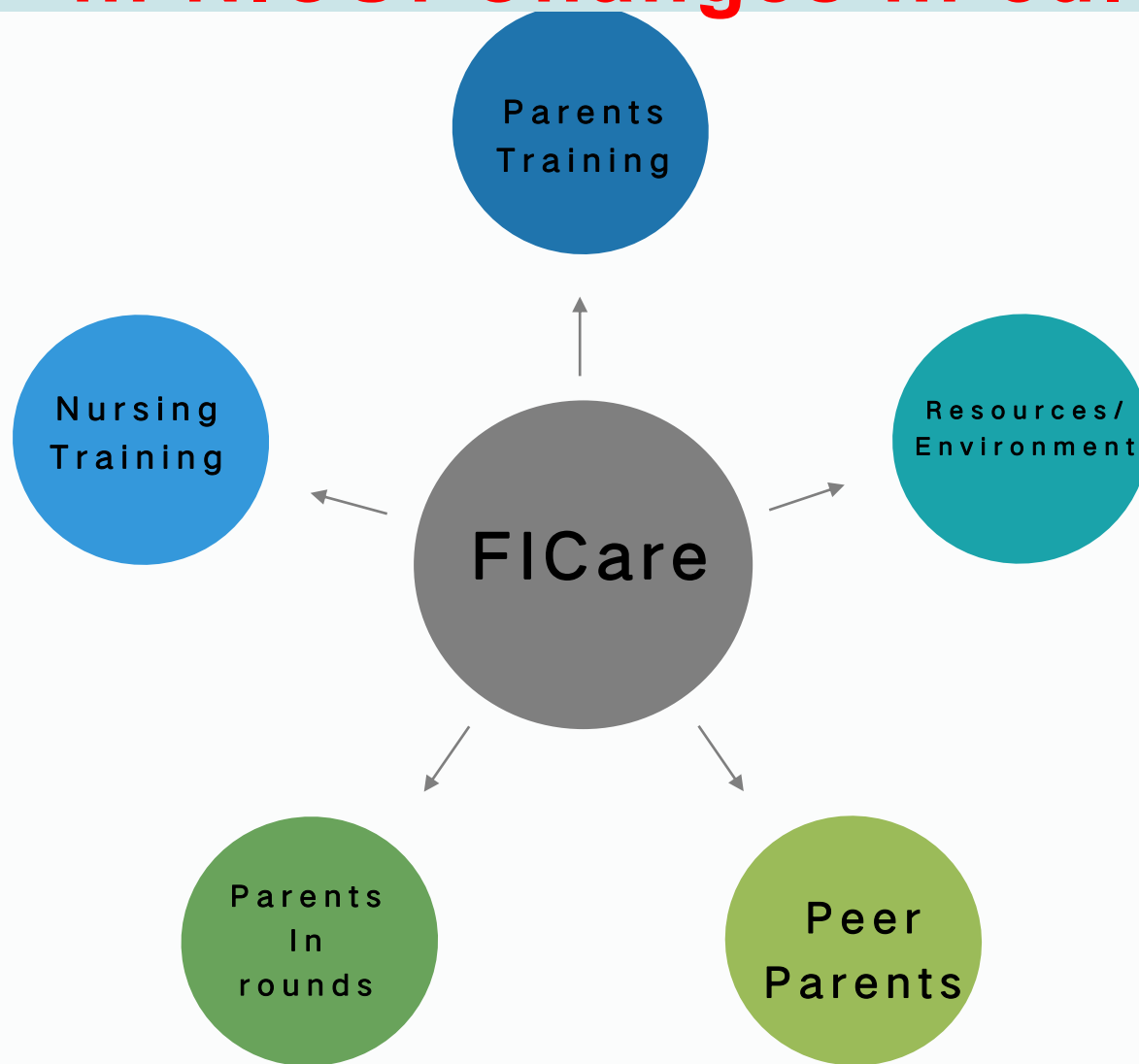
FCC / FICare in NICU



Content

1. FICare practice in the HKU-SZH : feasibility in developing country ?
2. Primary outcome data

FIcare in NICU: Changes in cultures



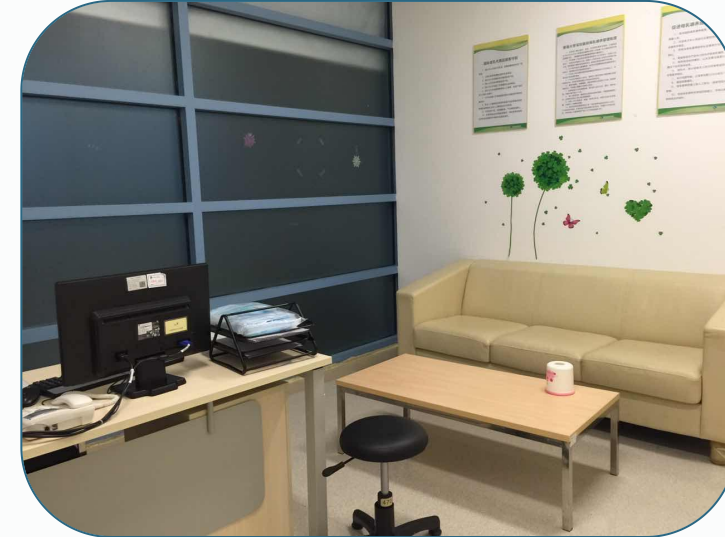
1.FICare environment

Environment

- Breastfeeding room/Pumping
- Family meeting room
- Luggage locker
- Parents classroom

Equipment

- KMC sofa / pedal
- Curtain/Screens privacy
- Parents Dairy
- Pamphlet for EBM...



2.FICare Training Program : medical team



Visit MSH, Toronto, in 2019



8 Super-User	8 End-User
physician 4	physician 10
Nurse 4	Nurse 10
Completed	Training in progress...

Alberta FICare™ Super-User Training Program

2. Training : parents education program

香港大学深圳医院(NICU/SCBU) 序号: 34-002-004
The University of Hong Kong-Shenzhen Hospital(NICU/SCBU) 版本号: A-0

家庭访视记录单		姓名: _____ 病入号: _____ 日期: _____
家庭环境:	<input type="checkbox"/> 整洁 <input type="checkbox"/> 通风 <input type="checkbox"/> 安静 <input type="checkbox"/> 温度合适 <input type="checkbox"/> 湿度合适 <input type="checkbox"/> 干燥 <input type="checkbox"/> 温暖 <input type="checkbox"/> 充足 <input type="checkbox"/> 温度合适 <input type="checkbox"/> 湿度合适 <input type="checkbox"/> 明亮 <input type="checkbox"/> 干净 <input type="checkbox"/> 温度合适 <input type="checkbox"/> 湿度合适 <input type="checkbox"/> 温度合适	
喂养情况:	<input type="checkbox"/> 母乳喂养 <input type="checkbox"/> 配方奶 <input type="checkbox"/> 混合喂养 <input type="checkbox"/> 母乳+奶粉 <input type="checkbox"/> 母乳量: <input type="checkbox"/> 充足 <input type="checkbox"/> 不足 <input type="checkbox"/> 其他: _____	
医疗情况:	<input type="checkbox"/> 母乳喂养 <input type="checkbox"/> 配方奶 <input type="checkbox"/> 混合喂养 <input type="checkbox"/> 母乳+奶粉 <input type="checkbox"/> 母乳量: <input type="checkbox"/> 充足 <input type="checkbox"/> 不足 <input type="checkbox"/> 其他: _____	
其他:	<input type="checkbox"/> 母乳喂养 <input type="checkbox"/> 配方奶 <input type="checkbox"/> 混合喂养 <input type="checkbox"/> 母乳+奶粉 <input type="checkbox"/> 母乳量: <input type="checkbox"/> 充足 <input type="checkbox"/> 不足 <input type="checkbox"/> 其他: _____	

家庭访视时间: _____ 访视人员: _____
家庭访视地点: _____ 家庭访视电话: _____
家庭访视医生: _____ 家庭访视护士: _____
家庭访视地点: _____ 家庭访视电话: _____
家庭访视医生: _____ 家庭访视护士: _____

NICU 护理工作记录表

日期: _____ 年 _____ 月 _____ 日 FCC 访护士: _____

项目	具体内容
特殊事项	<input type="checkbox"/> 根据患儿情况, 并通知家属无法来院家属 <input type="checkbox"/> 家属请返 <input type="checkbox"/> 产房访视次数: _____ <input type="checkbox"/> 告知当班 DIC 产房访视信息 <input type="checkbox"/> 告知当班 DIC 产房访视信息 <input type="checkbox"/> 填写访视记录单
产房访视	<input type="checkbox"/> 对入院前三天的患儿家属进行母乳喂养知识的再次宣教 <input type="checkbox"/> 母乳喂养 (每周一次) <input type="checkbox"/> 协助母乳喂养门诊 床号: _____ <input type="checkbox"/> 监测家属卫生 (≥ 5 例, 每周三) <input type="checkbox"/> 根据《健康教育效果》对家属照护能力进行评估并协助强化 <input type="checkbox"/> 检查患儿成长手册的使用情况, 鼓励患儿家属书写成长手册
出院计划	<input type="checkbox"/> 鼓励与指导家属进行母乳喂养 <input type="checkbox"/> 母乳喂养: <input type="checkbox"/> FCC 访 <input type="checkbox"/> 母乳喂养 <input type="checkbox"/> 母乳喂养: <input type="checkbox"/> FCC 访 <input type="checkbox"/> 母乳喂养
家庭合作式护理	<input type="checkbox"/> 跟进并与医生落实符合家庭条件的过渡期患儿出院时间, 在护士值班手机 FCC 访 <input type="checkbox"/> 告知患儿家长及家属小组组长信息 <input type="checkbox"/> 计划出院日期及床号: _____ 当天家访床号: _____
个案资料	<input type="checkbox"/> 收集患儿/特殊患儿资料 <input type="checkbox"/> 收集资料的日期: _____ 患儿床号: _____ <input type="checkbox"/> 特殊患儿谈话: _____ 患儿: _____
护理	<input type="checkbox"/> 协助组长及患儿家属对患儿进行舒缓/临睡关怀 例数: _____
其他	

Parents education in wards : 3h/d
 ABC of premies
 KMC and FICare
 Feeding & EBM pump
 Discharge plan
 Involving into NICU MDT team
 Overcome stress

Parent education - Family school



Family school: 1-2 /month

Development of infants
 Follow up plan
 Nutrition post discharge
 Vaccination schedule
 Safety sleep and transport
 Infant CPR

...

FICare workshop

Online & Offline : lectures by professor and parents

Participator: 84 trainees from 10 provinces



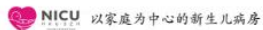
Implementation of FICare in NICU

Before Delivery



Prenatal Visit

NICU&SCBU 咨询图册
NICU&SCBU counseling picture guidelines



专业与服务 尊重与合作
Professional and Service Respect and cooperation

Pictorial Guidelines

NICU Hospitalization



MDT Support



24hrs



“Kangaroo
Care”

Case Manager

Before Discharge



Home Visit



Home Visit Team

After Discharge



Clinic Follow Up



Behavioral Assessment

FIC-MDAC (multidisciplinary assessment clinic)2018



3. Parents in rounds: joint decision making



Morning round : parents report observations / plans /Q&A

Evening round : update results

Family meeting



Family meeting: n= 72 in 2020 - 2021

Parents + relatives and MDT staff

4. Peer Parents Committee – Since 2021.9

NICU Graduation for family



Growth Memorial Wall



Peer Parents
Committee

NICU physician

NICU nurse

Social worker

Psychologist

Parents

OBs

Pharmacist

Support Group for Premies



Initiation of Support Group in 2016

Annual group activity in 2018



Annual group activity in 2019



Annual group activity in 2020



WeChat group

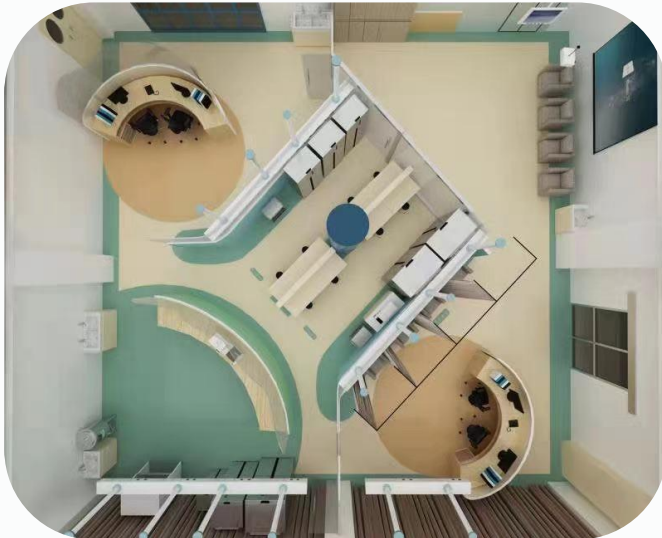


can share information
with each other instantly

5.FICare :Donor milk bank



Pumping and collection area



Pasteurization

Since Jan,2021

Types of donations : Fresh & Frozen

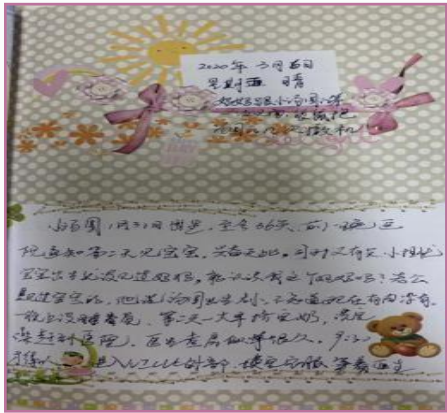
2021	Number of donors	Donor milk (ml)	Usage of donor milk (ml)
Total	250	133120	40442

FICare data: mean time (h) in NICU

Video
when parents
not available

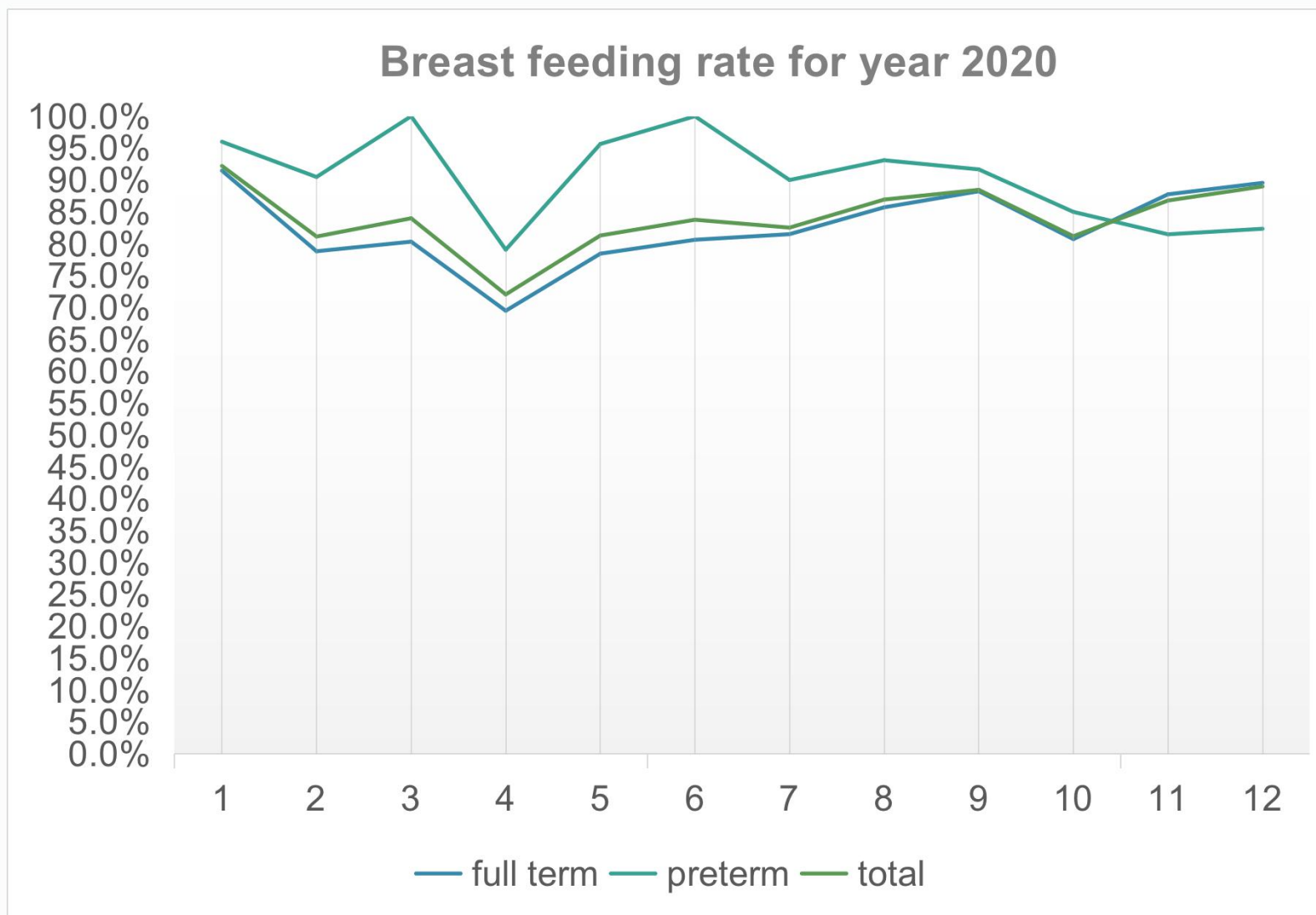


Parents
diary



	Total admission (n)	FICare (n)	FICare time (Daily)
2020.01-01.26	136	136	3-4 h/ d
2020.01-12 Restricted Visitation covid-19	1928	35	
2021.01-08	1293	744	

FIcare data: Breastfeeding Rate

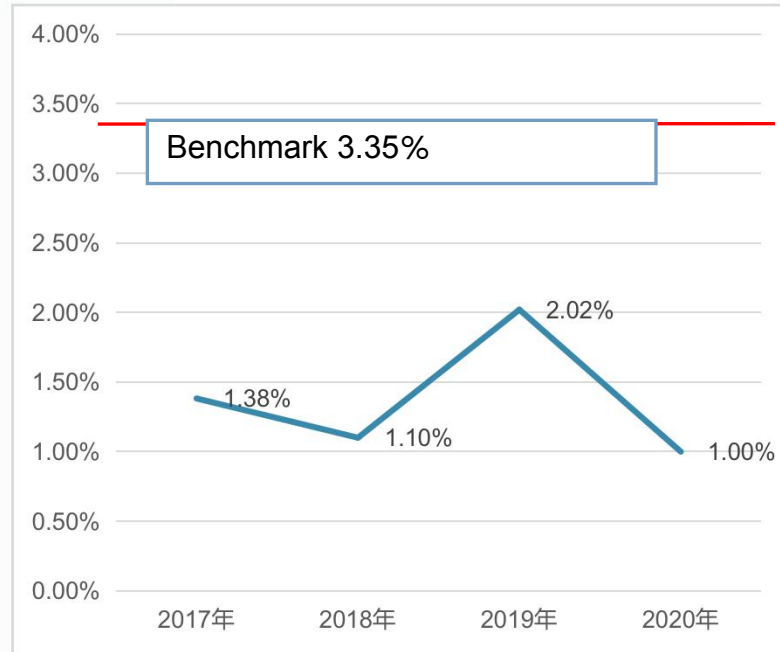


FICare data: VLBW Time to full feeding
--data by Chinese Neonatal Network

The unit number CHNN:12	TPN	Breast milk	Formula
Mean time of hku-szh	11.5	42	9
Mean time of CHNN	20	30	27

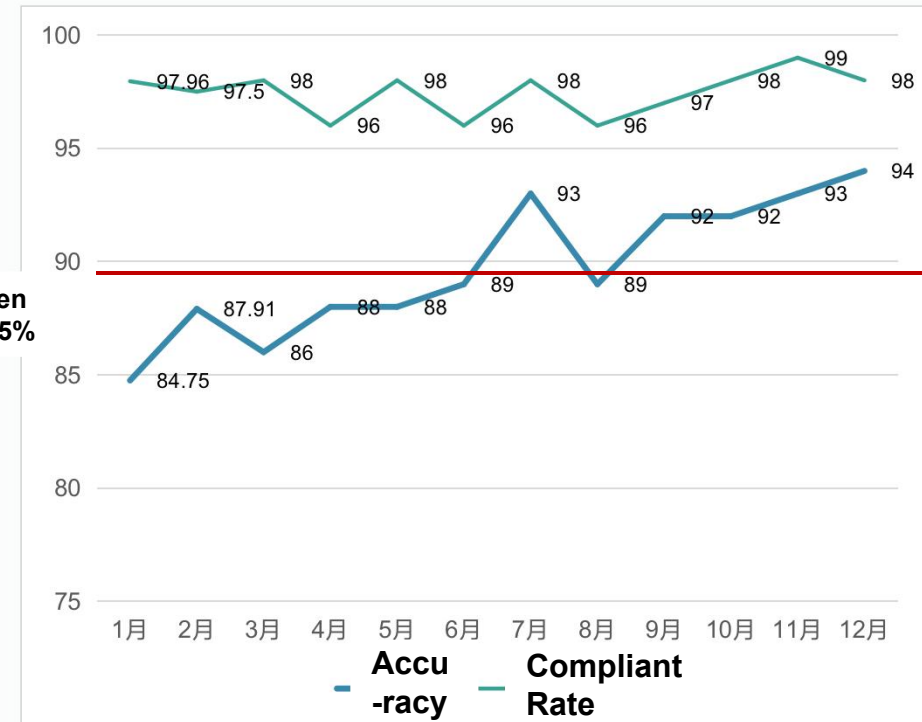
FICare data : Infection Control

Nosocomial infection



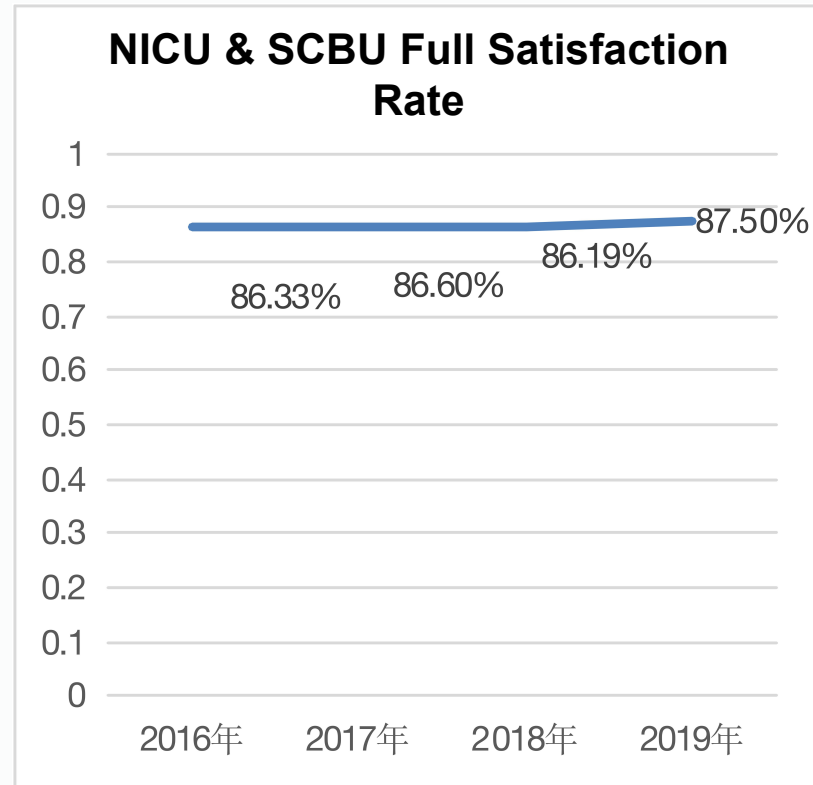
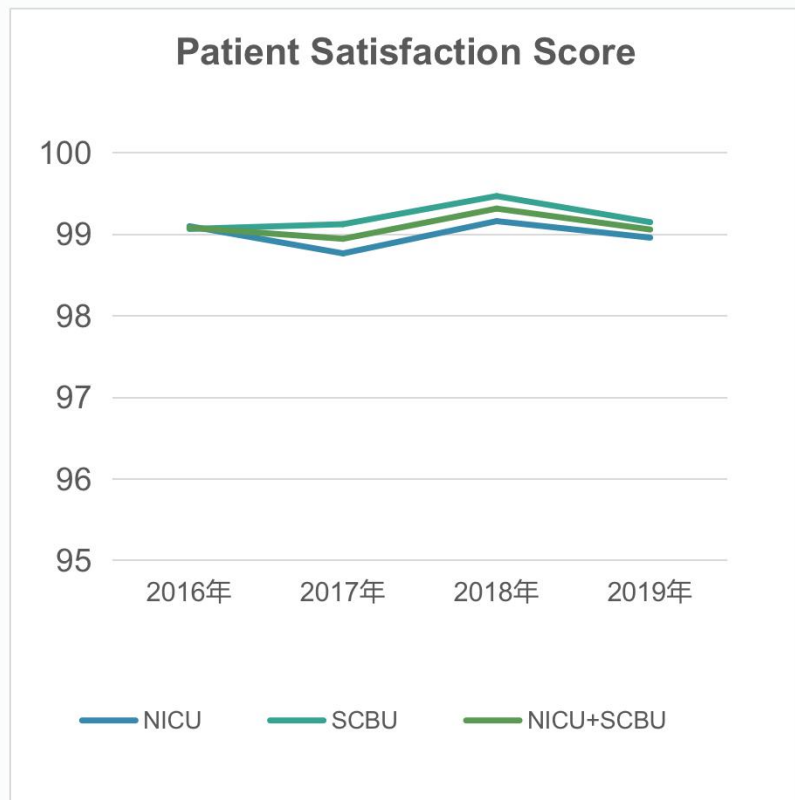
Hand Hygien Compliance

Hospital Hand Hygien
Compliant Rate 89.85%



Benchmark of Incidence of nosocomial infection in China: 3.35%.

FI Care data : Parents Satisfaction



Chinese Neonatal Development Strategy

CNDS 2030 | 中国新生儿发展策略 | Chinese Neonatal Development Strategy

GgalaXxYy 中国新生儿协作网 今天

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CNDS 2030

自2021年初，由中国新生儿协作网四位主席（Shoo K. Lee、陈超、杜立中、周文浩）牵头，经过协作网学术委员会讨论，由协作网协作网执行委员会成员负责执行的CNDS2030 (Chinese Neonatal Development Strategy, 中国新生儿发展策略) 全面开展实施。旨在依托CHNN，为中国新生儿学科提供人才培养、质量改进以及科研培训的广阔平台。目前主要有 8 大项目正在开展中：

中国新生儿协作网 >

- No. -

08

中国NICU家庭整合式照护项目

Ficare China Program

负责人：

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医院

总体目标

在中国推广并发展Ficare中国模式的相关标准以及科学研究。

内容

- 调查CHNN医院在COVID-19常态防疫时期的Ficare现状。
- 建立Ficare家庭整合式照护的中国标准。
- 发展推动Ficare中国标准模式的可复制、可推广策略。
- 建立数据库来监管中国Ficare的实施以及影响。
- 开展与Ficare中国项目相关的研究。

CHNN FICare Survey (Family integrated care , FICare) / 中国新生儿协作网的家庭整合照护模式实践现状调查

This questionnaire consists of 5 parts of information, which are basic information, cognition to FICare, attitude to FICare implementation, FICare practice, and opportunities and Barriers in FICare implementation. (Each unit is required to have one applicat : At least the director or head nurse)

本调查为CHNN CNDS 2030项目之一，问卷由基本信息5个部分组成，分别为基本信息，对FICare的认知，对实施FICare的态度，FICare的实践情况，以及实施FICare存在的机遇及困难。（要求一个单位一位填写人员：为该单位主任或护士长）。

Part 1 Basic information /第一部分 基本信息



Culture change

Thanks for attention!

