

Neonatal Intensive Care at Karolinska University Hospital Huddinge, Sweden

Family-Centred Care



Health Facility Project Name	<p>The Neonatal Intensive Care Unit (NICU) at Karolinska University Hospital in Huddinge</p> <p>(Karolinska – one hospital, two main sites: Huddinge and Solna)</p> <p>Locum AB, Proj.nr. 94H19008 Huddinge sjukhusområde 2009-05-18 Reconstruction for neonatal intensive care, ward K76/78</p>
Country	Sweden
Location	Karolinska University Hospital / Huddinge, 141 86 Stockholm
Population served	<p>1.9 million.</p> <p>The wards for neonatal inpatient care at Karolinska University Hospital are located at Danderyd Hospital, Karolinska in Solna, and Karolinska in Huddinge. Population: 1,9 million.</p> <p>Together the wards care for about 2,200 children (corresponding to about one quarter of all neonatal care in Sweden). In all, about 500 employees staff these three units.</p>
Type of healthcare facility	University Hospital Neonatal Intensive Care Unit (NICU).
Type of construction	Reconstruction.
Construction start date	2009.
Construction completion date	The reconstruction was carried through in 6 phases from May 2009 to April 2011.
Gross floor area	2350 m ² (administration/offices included).
Project, design and construction cost	43 million SEK.
Total bed numbers	<ul style="list-style-type: none"> • <u>Intensive care</u>: 12 beds/incubators that allow nurses to carefully monitor babies in a centrally organized location while ensuring family privacy in private rooms. Sound-absorbing ceiling and rubberbacked flooring absorb and suppress sounds. • <u>Family care</u>: 14 beds in private rooms including beds for parents. • <u>Isolation care</u>: 2 beds in private rooms including beds for parents. • <u>Care for child and mother</u>: 4 beds private rooms including beds for parents. <p>Total bed numbers: 32</p>

Departmental information	In addition to the equipment necessary to monitor the most vulnerable children, the ward is designed to enhance focus on family-centred care.
Client/owner	Client: Karolinska University Hospital, Stockholm. Department Lokal- och byggplanering. Owner: Landstingsfastigheter, Stockholm.
Client/owner contact	Client contact (head of department) at Lokal- och byggplanering: richard.kozak@karolinska.se
Capital procurement route	Public funding.
Project management	Locum AB fredrik.hagel@locum.se
Architects	Architects Initial planning in Design dialogue: Peter Fröst, Christer Ädelqvist, Jenny Ryding Garmland. Architects Production: GAAB, GRANSTRÖMS ARKITEKTKONTOR AB Pepparvägen 26, 123 56 Farsta E-mail: gaabark@telia.com
Contractor	TEMACUS AB Svarvarvägen 30, 142 50 Skogås.
Services	Neonatal intensive care.
Key facts	<u>100% single patient rooms and privacy for parents/families.</u> There are many family-friendly spaces and amenities in the NICU for additional support and comfort for families thrown into a world of intensive care. Family lounges, consultation rooms for meetings with physicians, private family rooms and a family kitchen are several convenient amenities. Additionally, each room has sleeping accommodation for two family members, plus adequate storage, a desk and data ports so families can comfortably stay with children. Internet connections and on-demand movies and video games are also provided. Built-in (versus wheeled-in) medical equipment eliminates storage issues and allows room for more sophisticated bedside technology.

Positive outcomes as a result of 5 years planning:

- patient safety
- parents can stay at hospital together with their newborn child
- parents and staff are partners in care of children
- parents feel safe → shorter length of stay, higher efficacy
- privacy for parents
- safe and modern working environment
- healing and family friendly environment

Evaluation

In October 2011 the staff had opportunity to evaluate the reconstruction. On a scale from 0-5 (5 = top note) the staff gave highest rank to every question posed. But in a perspective they should have discussed/planned for the opportunity to take care of twins in the NICU.





