



Guideline for Swedish intensive care

2025

The purpose for the Guideline for Swedish Intensive Care is to create a uniform national structure for the organization, staffing and working methods of intensive care, and competence requirements. The Guideline is an updated version from the one published by the Swedish Society for Anesthesia and Intensive Care (SFAI) in 1995; partly based on recommendations from the European Society of Intensive Care Medicine (ESICM; www.esicm.org). ESICM has recently updated its guideline and this revision focuses mainly on the modern perception of quality and organization.

By clarifying requirements, this guideline serves as guidance for planning and running an intensive care unit, as specified according to its duties and category (2.1 – 2.4). The stratification of the intensive care units is decided by the health care authorities, and the category specifics follow the European standard.

The question answered in this report is listed at [page 5](#).

NOTE! The statistics only contain units that have reported data to the Swedish Intensive Care Registry.
Missing units:

Arvika, Ersta, K Huddinge IVA, K Solna ECMO, Kalmar, Karlskrona TIVA, Lidköping, REMEO, Södertälje, St Göran, SU NIVA, SUS Lund BIVA, SUS Lund NIVA, Torsby, Uppsala AIMA, Uppsala BIVA, Uppsala BRIVA, Uppsala TIVA, Visby



SVENSKA INTENSIVVÅRDSREGISTRET SIR

Category III

General intensive care units at, for example, regional university hospitals, provide the most qualified monitoring and treatment methods that can be offered for different types of organ failure. Including special intensive care units for thoracic, pediatric, neuro- and burn intensive care.

	Meets requirements according to SFAI	Does not meet SHOULD requirements according to SFAI					Does not meet requirements according to SFAI						
	1	2a	2b	3	4	5.1	5.2	5.3	6 / 7	8.1	8.2	8.3	8.4
K Solna BIVA	III	Yes	No	Yes, 1	No, 1	Yes, >2 year	Yes	Yes	6 / 2	0.67	0.67	0.67	2.33
K Solna IVA	III	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	Yes	18 / 5	0.39	0.89	0.61	2.17
K Solna TIVA	III	Yes	No	Yes, 1	No, 3	Yes, >2 year	No	Yes	8 / 1	0.50	1.00	0.75	2.38
Linköping BRIVA	III	Yes	No	Yes, 1	No, 1	Yes, EDIC	Yes	Yes	2 / 2	0.50	1.00	2.50	4.00
Linköping CIVA	III	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	8 / 2	0.38	0.62	1.00	2.25
Linköping NIVA	III	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	6 / 2	0.33	1.83	2.00	4.50
Linköping TIVA	III	Yes	No	Yes, 3	Yes	Yes, EDIC	Yes	Yes	6 / 2	0.33	0.67	0.83	2.17
Örebro IVA	III	Yes	Yes	Yes, 2	Yes	Yes, EDIC	Yes	No	8 / 1	0.25	0.62	0.62	1.75
Örebro TIVA	III	Yes	No	Yes, 3	Yes	Yes, >2 year	No	Yes	6 / 1	0.17	0.67	0.67	1.67
SU BIVA	III	No	No	Yes, 2	No, 1	Yes, EDIC	Yes	Yes	8 / 4	0.50	0.88	0.62	2.12
SU CIVA	III	Yes	No	Yes, 1	Yes	Yes, EDIC	Yes	Yes	18 / 1	0.28	0.67	0.61	1.78
SU Mölndal	III	Yes	No	Yes, 3	Yes	Yes, EDIC	Yes	No	5 / 0	0.20	0.60	0.60	1.80
SU TIVA	III	No	No	Yes, 2	Yes	Yes, >2 year	No	Yes	12 / 1	0.33	0.67	0.58	1.75
SUS Lund IVA	III	Yes	No	Yes, 1	Yes	Yes, EDIC	Yes	Yes	8 / 3	0.50	0.62	0.88	2.38
SUS Lund TIVA	III	No	No	Yes, 2	No, 1	Yes, EDIC	Yes	Yes	16 / 2	0.25	0.62	0.62	1.62
SUS Malmö IVA	III	No	No	Yes, 1	Yes	Yes, EDIC	Yes	Yes	10 / 10	0.50	0.80	0.90	2.40
Umeå IVA	III	Yes	Yes	Yes, 2	Yes	Yes, >2 year	No	Yes	10 / 1	0.50	0.60	0.60	1.90
Umeå TIVA	III	Yes	No	Yes, 1	Yes	Yes, >2 year	No	No	6 / 0	0.17	1.00	0.50	2.00
Uppsala CIVA	III	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	Yes	8 / 3	0.50	0.75	0.75	2.25
Uppsala NIVA	III	Yes	No	Yes, 1	Yes	Yes, >2 year	Yes	Yes	8 / 1	0.38	0.62	0.75	2.00
*Summary													
Category I	0%	-	-	-	-	-	-	-	-	-	-	-	-
Category II	0%	-	-	-	-	-	-	-	-	-	-	-	-
Category III	100%	80%	30%	60%	75%	55%	65%	100%	9 / 2	85%	0.76	0.75	100%

*The summary shows:

For colored boxes - Percentage of green-/yellow marked boxes
For white boxes with numbers - Average value

Total number of intensive care beds
in all the units in Category III: 177

Website

<https://www.icuregswe.org>

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SVENSKA INTENSIVVÅRDSREGISTRET SIR

Category II

Intensive care units in, for example, district hospitals control intensive care in acute disability in most organ systems, especially circulatory and respiratory failure, but they are missing the most qualified methods for monitoring / treating failure in one or more organ systems that can be offered in a category III units.

Meets requirements according to SFAI		Does not meet SHOULD requirements according to SFAI							Does not meet requirements according to SFAI				
	1	2a	2b	3	4	5.1	5.2	5.3	6 / 7	8.1	8.2	8.3	8.4
Borås	II	Yes	No	Yes, 1	No, 1	Yes, EDIC	No	No	7 / 1	0.29	0.71	0.57	1.86
Danderyd	II	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	No	9 / 4	0.44	0.67	0.78	2.11
Eskilstuna	II	Yes	Yes	Yes, 3	Yes	Yes, >2 year	No	Yes	6 / 0	0.33	0.50	0.50	1.50
Falun	II	Yes	Yes	Yes, 3	No, 1	Yes, EDIC	Yes	Yes	8 / 2	0.25	0.62	0.75	1.88
Gällivare	II	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	2 / 1	0.50	1.50	1.00	3.00
Gävle	II	Yes	Yes	Yes, 2	Yes	Yes, EDIC	Yes	No	6 / 1	0.33	0.50	0.50	1.67
Halmstad	II	Yes	No	Yes, 3	Yes	Yes, EDIC	Yes	Yes	7 / 1	0.29	0.57	0.43	1.43
Helsingborg	II	Yes	No	Yes, 1	Yes	Yes, EDIC	Yes	Yes	6 / 2	0.33	0.83	0.83	2.33
Hudiksvall	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	Yes	No	5 / 2	0.20	1.00	0.60	2.00
Jönköping	II	Yes	No	Yes, 1	Yes	Yes, >2 year	No	No	8 / 4	0.25	0.88	0.88	2.25
Karlskoga	II	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	No	4 / 1	0.25	0.50	0.75	1.50
Karlskrona IVA	II	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	No	6 / 3	0.33	0.83	0.67	2.00
Karlstad	II	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	8 / 1	0.38	0.62	0.50	1.75
Kristianstad	II	No	No	Yes, 1	Yes	Yes, >2 year	No	Yes	7 / 3	0.29	0.57	1.00	2.14
Norrköping	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	Yes	No	6 / 2	0.33	0.83	1.00	2.33
NU Trollhättan	II	Yes	No	Yes, 1	Yes	Yes, <2 year	No	No	8 / 8	0.38	0.75	0.62	1.88
Nyköping	II	Yes	No	Yes, 3	Yes	Yes, >2 year	No	No	6 / 1	0.33	0.67	0.67	1.83
Örnsköldsvik	II	Yes	Yes	Yes, 3	Yes	Yes, <2 year	No	No	5 / 2	0.20	0.60	0.60	1.60
Östersund	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	Yes	No	7 / 1	0.29	0.71	0.57	1.86
Skellefteå	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	Yes	Yes	7 / 3	0.29	0.57	0.57	1.71
Skövde	II	Yes	No	Yes, 1	Yes	Yes, >2 year	No	No	8 / 1	0.38	0.62	1.00	2.12
SÖS IVA	II	Yes	No	Yes, 1	Yes	Yes, EDIC	Yes	No	12 / 2	0.33	0.67	0.58	1.83
SÖS MIVA	II	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	6 / 2	0.50	0.83	0.50	2.33
SU Östra	II	Yes	No	Yes, 1	Yes	Yes, EDIC	Yes	No	6 / 0	0.33	0.83	1.00	2.67
Sunderby	II	Yes	Yes	Yes, 1	Yes	Yes, <2 year	No	No	8 / 4	0.38	0.88	0.50	1.88
Sundsvall	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	Yes	No	6 / 2	0.50	0.67	0.83	2.17
Varberg	II	Yes	No	Yes, 3	Yes	Yes, EDIC	Yes	No	6 / 2	0.33	0.83	0.50	1.83
Värnamo	II	No	No	Yes, 3	Yes	Yes, >2 year	No	No	4 / 1	0.25	0.50	0.75	2.00
Västerås	II	Yes	No	Yes, 3	No, 1	Yes, EDIC	Yes	No	8 / 2	0.38	0.62	0.75	1.88
Västervik	II	Yes	Yes	Yes, 3	Yes	Yes, EDIC	No	Yes	5 / 1	0.20	0.60	1.20	2.20
Växjö	II	No	Yes	Yes, 3	No, 1	Yes, >2 year	No	No	6 / 4	0.33	0.83	0.83	2.17
Ystad	II	Yes	No	Yes, 1	Yes	Yes, <2 year	No	No	3 / 2	0.33	1.00	1.00	2.33
*Summary													
Category I	0%	-	-	-	-	-	-	-	-	-	-	-	-
Category II	100%	91%	56%	100%	88%	56%	50%	100%	6 / 2	100%	0.71	0.71	100%

*The summary shows:

For colored boxes - Percentage of green-/yellow marked boxes
For white boxes with numbers - Average value

Total number of intensive care beds
in all the units in Category II: 206

Website

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SVENSKA INTENSIVVÅRDSREGISTRET SIR

Category I

Intensive care units in, for example, county hospitals control intensive care in acute disability in most organ systems, but they are missing opportunity to offer intensive care at the same level as category II and III departments.

	Meets requirements according to SFAI			Does not meet SHOULD requirements according to SFAI					Does not meet requirements according to SFAI				
	1	2a	2b	3	4	5.1	5.2	5.3	6 / 7	8.1	8.2	8.3	8.4
Alingsås	I	Yes	Yes	Yes, 1	No, 1	Yes, >2 year	No	No	3 / 1	0.33	1.33	1.33	3.00
Bollnäs	I	Yes	No	Yes, 1	No, 1	Yes, >2 year	No	No	3 / 2	0.33	0.67	0.33	1.33
Eksjö	I	No	No	Yes, 3	Yes	Yes, >2 year	No	No	4 / 2	0.25	0.75	1.25	2.50
Kalix	I	Yes	Yes	Yes, 1	No, 3	No	Yes	Yes	1 / 0	1.00	1.00	2.00	4.00
Kungälv	I	No	No	Yes, 3	Yes	Yes, >2 year	No	Yes	5 / 0	0.40	1.00	1.00	2.60
Lindesberg	I	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	No	2 / 1	0.50	0.50	1.00	2.00
Ljungby	I	Yes	Yes	Yes, 1	Yes	Yes, EDIC	Yes	No	0 / 0	0.00	0.00	0.00	0.00
Lycksele	I	No	Yes	No	No, 1	Yes, >2 year	No	No	2 / 1	0.50	0.50	0.50	1.50
Mora	I	Yes	Yes	Yes, 2	No, 1	Yes, >2 year	No	No	4 / 0	0.25	1.00	0.50	2.00
Norrköping	I	Yes	No	Yes, 1	Yes	Yes, <2 year	No	No	3 / 0	0.33	0.67	0.67	1.67
Piteå	I	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	5 / 3	0.20	1.00	0.80	2.00
Sollefteå	I	Yes	Yes	Yes, 1	Yes	Yes, >2 year	No	No	2 / 1	0.50	1.50	1.50	3.50
SU Östra Inf	I	Yes	No	Yes, 1	No, 1	No	No	Yes	2 / 2	0.50	0.50	1.00	2.50
*Summary													
Category I	100%	77%	62%	92%	100%	85%	100%	100%	3 / 1	100%	0.92	0.94	100%
Category II	0%	-	-	-	-	-	-	-	-	-	-	-	-
Category III	0%	-	-	-	-	-	-	-	-	-	-	-	-

*The summary shows:

For colored boxes - Percentage of green-/yellow marked boxes
For white boxes with numbers - Average value

Total number of intensive care beds
in all the units in Category I: 36

Website

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Frågor

1. Which ICU category does the unit belong to?
2. Does the unit register data for all the care episodes according to the SIR basic data set and the data required for all the quality indicators?
 - 2a. Answer reported by the unit
 - 2b. Answer calculated by SIR, based on the submitted data
3. Does the unit have hospital-based anesthesia and intensive care on-call services?
 - 3.1. Yes with minimum expertise of
 - 3.1.1. 1 Specialist in anesthesia and intensive care
 - 3.1.2. 2 Resident in anesthesia and intensive care with less than 1 year left to specialist competence, at least 6 months of intensive care training and access to supervision from another hospital-based on-call service that is specialist in anesthesia and intensive care
 - 3.1.3. 3 Resident in anesthesia and intensive care
 - 3.1.4. 4 Hospital-based on-call service by a licensed physician but not meeting criteria above
 - 3.1.5. 5 Hospital-based on call service that does not meet any of the criteria above
 - 3.2. No, but there is a physician on call on-call service
4. Do all the nurses working with intensive care in the unit, a specialist training in intensive care nursing?
 - 4.1. Yes
 - 4.2. No
 - 4.2.1. For an individual shift, what is the percentage of nurses who have a specialist training in intensive care nursing?
 - 4.2.1.1. 1 At least half
 - 4.2.1.2. 2 Less than half
 - 4.2.1.3. 3 Not all but the rest are currently participating in specialist training
5. The competence of doctors with medical management responsibility for the department?
 - 5.1. Specialist in anesthesia and intensive care
 - 5.1.1. No
 - 5.1.2. Yes
 - 5.1.2.1. Specialist in anesthesia and intensive care with continuous service in intensive care > 2 years?
 - 5.1.2.1.1. EDIC Yes, including EDIC 1 and 2
 - 5.1.2.1.2. >2 år Yes, but not EDIC 1 och 2
 - 5.1.2.1.3. <2 år No, no continuous service in intensive care > 2 years
 - 5.2. 2-year education in intensive care and approved degree EDIC 1 and 2?
 - 5.3. Scientific qualification corresponding to at least a doctoral degree?
6. How many available ICU beds are there in the unit? (1-40)
7. How many isolation rooms does the unit have? (1-40)
8. Staffing requirements on a normal day during office hours?
 - 8.1. Intensivists with specialty training, total per care place (for Category I applies 1/unit for fulfillment)
 - 8.2. Number of nurses, total per care place
 - 8.3. Number of assistant nurses, total per care place
 - 8.4. All clinically active staff including all doctors, total per care place