# Description of system needs

The solution must protect patient safety through all stages of handling cancer medication; from the doctor prescribing the medicine to a patient, via production in pharmacies, to the patient receives the medical treatment. The system must also comply with requirements by Norwegian Law.

It has been identified that the pharmacies want the solution to provide support to:

* Calculate the cure using technology, so that I avoid manual calculation
* Produce correctly (quality and quantity) in the right packaging
* Work more independently, so I do not need double control
* Work more efficiently so I do not get interrupted with inquiries
* Plan my work better, since I get a better overview of what is needed
* Be able to follow the medications from order to delivery of cure
* Communicate effectively with doctors and nurses
* Work fully digitally with electronic traceability
* Better collaboration across the region
* Avoid giving patients cures that are beyond expiry date
* Gather my work in one system, regardless of preparation type
* Producing study medicine

It has been identified that clinicians (doctors and nurses) want the solution to provide support to:

* Evaluate blood tests and calculate the patient's body surface area so that the correct dose is calculated automatically
* Choosing the right cure
* Make changes effectively to the cure form when the patient has new needs
* Efficiently order cure series
* Adapt treatment to previous side effects
* Give the right cure to the right patient at the agreed time
* Get an overview of what kind of cure has been given at other hospitals
* Work more independently, so I do not need double control
* Document necessary information digitally
* Know when the cure is processed by the pharmacy so that I can plan the treatment of the patient better
* Keep track of all relevant patient information
* Assess and document the patient's condition during treatment
* Communicate effectively with large hospitals, hospital pharmacies and municipal health services
* Preparing cures in the cancer ward at smaller hospitals