

A3.3 Creating the Job-Portrait For VR Simulations key jobs needs



HEALTHCARE NURSING ASSISTANT

Country: Belgium

CORE SKILLS

- **Patient Care Knowledge:** Apply hygiene and infection prevention protocols in compliance with Belgian and EU healthcare standards.
- **Clinical Support:** Assist with daily living activities, patient mobility, vital sign monitoring, and basic medical procedures under supervision.
- **Communication & Ethics:** Maintain confidentiality, empathy, and effective communication with patients, families, and healthcare teams.
- **Teamwork & Safety:** Work collaboratively in multidisciplinary settings, follow safety rules, and adapt to evolving healthcare technologies.



HOW XR ENHANCES TRAINING

Training Scenarios

- Immersive visualization of anatomy, hygiene, and care procedures
- Emergency response and patient handling simulations
- Infection prevention and hospital safety modules
- Communication and empathy simulations

XR Benefits

- Safe practice of clinical tasks without patient risk
- Repetition and mastery of protocols through realistic virtual situations
- Practice hazardous scenarios safely and cost-efficiently
- Improved patient interaction and teamwork skills



COUNTRY-SPECIFIC

- **Challenges:** Belgium's healthcare sector faces staff shortages, an aging workforce, and increasing demand for long-term and elderly care. VET programs are strong, but regional differences and limited integration of advanced simulation technologies remain barriers to modernization. There is also a need to make training more accessible and engaging for younger learners and adult reskilling candidates.
- **Training Availability:** High-quality training is offered through public VET institutes, healthcare schools, and hospital networks, yet XR use is still at pilot level. Collaboration between educational providers, care institutions, and technology partners could expand immersive learning in patient care, hygiene, and safety training.
- **Needs:** Integrate XR simulations for clinical practice, hygiene, and patient interaction. Upskill trainers and supervisors in digital and immersive teaching tools. Strengthen industry-education collaboration to align training with real healthcare needs and improve learner readiness.

CAREER PATHWAY

Progression: Nursing Assistant → Senior Caregiver → Registered Nurse (with further study)



TRAINING

- **Training Mode:** Blended learning (theory online + VR modules + clinical placement)
- **VET Providers:** Public VET Institutes, healthcare employers, regional hospitals