

Effective preventative care supported by Artificial Intelligence (AI)

Organisation(s):	Helsingborg City Council /Ensolution AB	
Country:	Sweden	
Contact:	policy@esn-eu.org	
Theme: Choose at least one option	<input type="checkbox"/> Ageing & Care <input type="checkbox"/> Asylum & Migration <input type="checkbox"/> Young People <input type="checkbox"/> Support for Children & Families <input type="checkbox"/> Community Care <input type="checkbox"/> Integrated Care & Support <input type="checkbox"/> Co-Production <input type="checkbox"/> Disability <input type="checkbox"/> Housing & Homelessness <input checked="" type="checkbox"/> Artificial Intelligence <input checked="" type="checkbox"/> Digitalisation <input type="checkbox"/> Quality Care	<input type="checkbox"/> Labour Market Inclusion <input type="checkbox"/> Social Inclusion <input type="checkbox"/> Technology <input type="checkbox"/> Workforce and Leadership <input type="checkbox"/> Social Benefits <input type="checkbox"/> EU Funding <input type="checkbox"/> Social Service's Resilience <input type="checkbox"/> Mental Health <input type="checkbox"/> Person-Centred Care <input type="checkbox"/> Research & Use of Evidence <input type="checkbox"/> Other, please specify:
Principles of the European Pillar of Social Rights: Check the 20 principles here .	<input type="checkbox"/> 1. Education, training, life-long learning <input type="checkbox"/> 2. Gender equality <input type="checkbox"/> 3. Equal opportunities <input type="checkbox"/> 4. Active support to employment <input type="checkbox"/> 5. Secure and adaptable employment <input type="checkbox"/> 6. Fair Wages <input type="checkbox"/> 7. Transparent employment conditions <input type="checkbox"/> 8. Social dialogue <input type="checkbox"/> 9. Work-life balance <input type="checkbox"/> 10. Healthy, safe work environment	<input type="checkbox"/> 11. Childcare and child support <input checked="" type="checkbox"/> 12. Social protection <input type="checkbox"/> 13. Unemployment benefits <input type="checkbox"/> 14. Minimum income <input type="checkbox"/> 15. Old age income and pensions <input checked="" type="checkbox"/> 16. Health care <input type="checkbox"/> 17. Inclusion of people with disabilities <input type="checkbox"/> 18. Long-term care <input type="checkbox"/> 19. Housing and assistance to the homeless <input type="checkbox"/> 20. Access to essential services
Current status of the practice:	<input checked="" type="checkbox"/> Concept and Design Phase <input checked="" type="checkbox"/> Execution & Monitoring Phase <input type="checkbox"/> Consolidation Phase <input type="checkbox"/> Scaling Up and Transformation Phase <input type="checkbox"/> Other (please specify)	
Context/ Social issues addressed Please explain the problem you attempt to solve.	<p>Life expectancy is increasing. The growth in needs leads to economic challenges as changes in tax levels do not reflect the increasing proportion of older people. The personnel supply is challenging as there is a high risk of shortages. The available skills must, therefore, be used in the best way and for the right tasks. With the help of proactive work, it is possible to work data-driven with new knowledge and tools. This way, the business can</p>	

	make a difference before the increased needs. The resources thus make greater use as they are invested in individuals with the greatest potential for improvement.
<p>Objectives: Please provide a maximum of three objectives in bullet points.</p>	<ul style="list-style-type: none"> • Identify users at high risk of extensive future needs and individuals with the highest potential for rehabilitation. By forecasting needs, they can implement targeted interventions to reduce them, which ensures a more efficient use of the available resources. • The tool also evaluates the interventions consistently, providing valuable data to make strategic decisions about continuing programme funding.
<p>Activities: Please summarise the activities put in place to achieve the objectives (maximum 300 words).</p>	<p>An AI algorithm processes the department's data on older people to identify trends and target them to offer preventive support at an early stage. The system matches the situation of specific persons with new preventive programmes and their potential effects. For instance, the system showed how a new preventive intervention for an older person receiving home care services could reduce their home care needs by approximately 30%. It is also used for persons with cognitive impairments, which can be an early sign of dementia.</p> <p>As the system already includes a section of this target population, it can identify which individuals are relevant for preventive programmes. The system's selections recommend support measures at home to caseworkers, like adapting to the physical environment, teaching compensatory skills, and providing technical aids to increase functional capacity, such as support for time orientation, memory and planning. The system also helps to identify additional support for older persons who visit health care services for tests, medication or wound care. With the system's support, older persons who access health care and show increasing needs can be identified to provide them with additional support to reduce the likelihood of any identified risk factors.</p> <p>The project involved close collaboration with the operation, where a workshop was conducted to follow up and evaluate the results. One of the applications enabled a quick overview of nearly 2,000 users/patients, which was otherwise challenging and time-consuming for the staff.</p>
<p>Outcomes: Please explain what the results were/are so far and how you evaluated this.</p>	<p>The main effect of the work is still to be accomplished. However, the main results so far can be summarised as follows:</p> <ul style="list-style-type: none"> - Individuals received early assistance from the healthcare system with preventive or compensatory measures that enhanced their health and independence while reducing the cost of interventions from social services. - Increased independence for citizens receiving rehabilitative/compensatory measures. - Reduced cost for the overall municipal healthcare.
<p>Links to supporting documents: e.g. website or report of the practice</p>	<p>https://ensolution.se/</p>
<p>Comments and tips, i.e. for people willing to use your Practice</p>	<p>Please take time to learn from other experiences and plan for a long-term implementation project.</p>