

# Humanoid Robots for Assisted Living Facilities

*“They spoke together nearly 20 minutes. This was awesome because Marcel typically was a withdrawn resident and during these 20 minutes he spoke more than what he had done for 4 years during his life at the nursing home”*

The aging population is increasingly placing pressure on an already taxed healthcare system. In assisted living facilities and nursing homes, there are considerable financial challenges and staffing shortages to contend with, yet the growing elderly population is projected to generate an even more severe shortage of caretakers in the future. One way to potentially address this problem is to use assistive robotic technology to fill the gaps.

The NAO humanoid robot is an approachable companion for elderly patients in assisted living facilities. Some immediately view it as a child – others as a friend eager to listen to their stories and jokes.

With greater technology adoption, the uses of humanoid robots to support elderly patients in long-term care facilities have ranged from robot-guided exercises programs to weekly bingo for the residents.

These robots are able to augment the effectiveness of care that the care giver is able

## Patient Care Support for Assisted Living Facilities

Proven solutions for better long-term care:

- Alleviate loneliness
- Assist the caregivers
- Special group events
- Family support & interaction

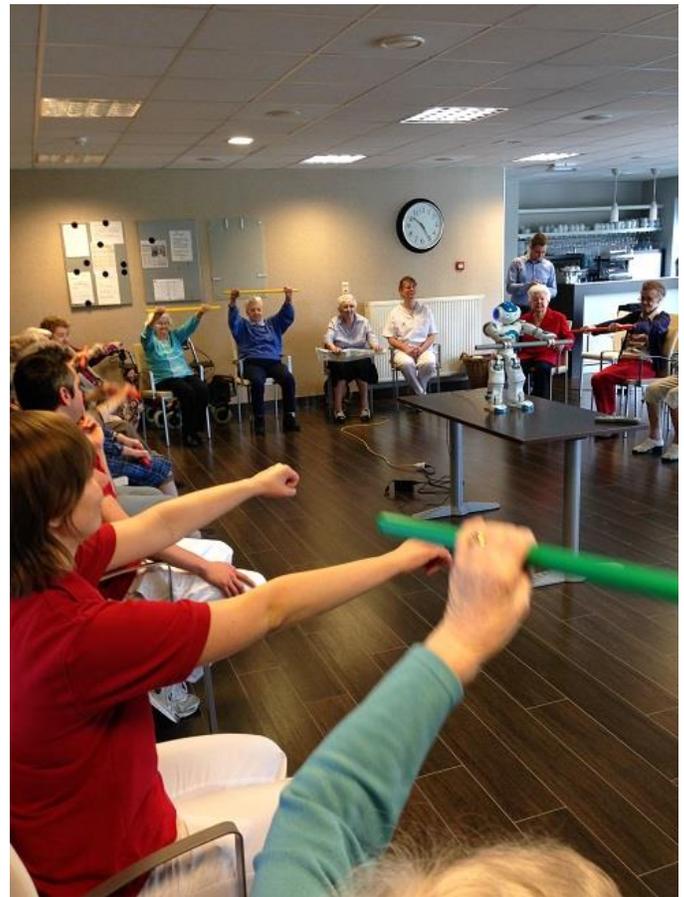
& even host resident BINGO!



to provide by engaging and setting the patient at ease in a way an adult care giver could not. NAO can be remotely controlled by the staff; this way it can walk into a room “by itself” instead of being carried in by a caregiver. This way, the resident can naturally discuss with NAO and have the feeling of being “alone” with him. Of course, the whole situation is monitored thanks to video and audio streaming and the caregivers can supervise and interact through NAO.

When an elderly person goes to a long-term care facility, they leave their home and furniture, people they know, neighbors, and so on. They often feel depressed and start to withdraw themselves. NAO helps the caregivers support them and make them interact in a natural way.

In any assisted-living facility, there are a lot of “cold tasks” – duties such as answering to frequent questions of the residents, that take a lot of time and aren’t ‘as important’ as other tasks. So, unfortunately, the caregivers often neglect them. For instance, every day, every resident asks (and sometimes more than once): ‘what are we eating today?’. The caregivers haven’t time to answer everyone. So, instead, they place NAO on the table each morning so he can tell the daily menu when a resident pushes one of his foot bumpers. The other foot allows the resident to hear the main news of the day. Even this simple use makes both the residents and caregivers very happy.



Even visitors, especially kids, are coming more often to visit their grandparents. From leading group exercises and physical rehabilitation instruction to helping withdrawn residents open up and engage – the NAO robot will have a transformative differentiating impact on your assisted living facility. This new interface for elderly patient care support opens up a realm of creative possibilities proven to improve quality of care and the satisfaction of your resident’s and their loved ones.

**Learn More at:**

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