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## SYMPTOMCARE

### HEALTHCARE IT

Telephone-based daily tracking system for managing patient symptoms resulting from chemotherapy that enables self-reporting of the status of at-home patients in real time.

#### TECHNOLOGY TYPE

Software  
Oncology  
Symptom Management  
Patient Reported Outcomes  
Telehealth

#### STAGE OF DEVELOPMENT

- Functional model tested in over 600 patients. Results described in listed publications.

- Adaption to various EMR platforms and development of a mobile version is underway.

#### LEARN MORE

Reference Number: U-4298

#### Roberta Hunt

Technology Manager  
roberta.hunt@tvc.utah.edu  
801-587-0519

#### TECHNOLOGY SUMMARY

SymptomCare uses patient reported outcomes to monitor patient symptoms resulting from chemotherapy at home. Users can report the presence and severity of symptoms using push button telephones. The system presents patients with a series of questions designed to determine patient condition and family wellbeing. Based on patient reported symptoms, the system generates suggestions in real time to help alleviate patient pain and discomfort. It automatically sends a warning alert to the care team when symptom severity reaches a predetermined threshold, which prompts the team to make direct contact with the patient. This enables care providers to improve the patient experience and outcomes by tracking patient symptoms outside of the clinic or hospital and responding with care suggestions. By providing updates on patient symptoms in real time, the system also functions as a case management portal for clinicians.

#### FEATURES AND BENEFITS

- Enables automated record keeping for patient symptoms.
- Increases patient access to healthcare services.
- Reduces hospital costs by facilitating patient monitoring and decreasing unnecessary visits.
- Improves patient quality of life.
- Alerts care team to severe symptoms.

#### RECENT PUBLICATIONS

Mooney, K.H., Beck, S.L., Wong, B., Dunson, W., Wujcik, D., Whisenant, M., Donaldson, G. (2017). Automated home monitoring and management of patient-reported symptoms during chemotherapy: results of the symptom care at home RCT. *Cancer Medicine*. 6(3):537-546. doi: [10.1002/cam4.1002](https://doi.org/10.1002/cam4.1002)  
Mooney, K.H., Beck, S.L., Friedman, R.H., Farzanfar, R. (2002). Telephone-linked care for cancer symptom monitoring: a pilot study. *Cancer Practice*. 10(3):147-154. doi: [10.1046/j.1523-5394.2002.103006.x](https://doi.org/10.1046/j.1523-5394.2002.103006.x)

#### INVENTOR PROFILE

**Kathi Mooney**, Ph.D., R.N., F.A.A.N., [Distinguished Professor - Nursing](#)  
**Susan Beck**, Ph.D., A.P.R.N., F.A.A.N., [Professor Emeritus - Nursing](#)

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