

1. Record Nr.	UNINA9910141374403321
Titolo	2012 IEEE Symposium on Visual Languages and Human-Centric Computing
Pubbl/distr/stampa	[Place of publication not identified], : IEEE, 2012
ISBN	9781467308533 1467308536
Descrizione fisica	1 online resource (xiv, 272 pages)
Disciplina	004.019
Soggetti	End-user computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	<p>Informing caregivers by providing them with contextual medical information can significantly improve the quality of patient care activities. However, information flow in hospitals is still tied to traditional manual or digitised lengthy patient record files that are often not accessible while caregivers are attending to patients. Leveraging the proliferation of pervasive awareness technologies (sensors, actuators and mobile displays), recent studies have explored this information presentation aspect borrowing theories from context-aware computing, i.e., presenting subtle information contextually to support the activity at hand. However, the understanding of the information space (i.e., what information should be presented) is still fairly abstruse, which inhibits the deployment of such real-time activity support systems. To this end, this paper first presents situated glyphs, a graphical entity to encode situation specific information, and then presents our findings from an in-situ qualitative study addressing the information space tailored to such glyphs. Applying technology probes using situated glyphs and different glyph display form factors, the study aimed at uncovering the information space pertained to both primary and secondary medical care. Our analysis has resulted in a large set of information types as well as given us deeper insight on the principles for designing future situated glyphs. We report our findings</p>

in this paper that we expect would provide a solid foundation for designing future assistive systems to support patient care activities.