Pain is notoriously difficult to put into words, and this is well known to cause problems in diagnosis and treatment. This talk will demonstrate the use of computer-aided linguistic analysis to carry out research on communication about chronic pain in healthcare settings. Two studies will be introduced, respectively on (a) a language-based diagnostic questionnaire for pain, and (b) the use of visual images in specialist pain consultation. In both cases, the linguistic analysis leads to findings that are directly relevant to healthcare professionals who care for people with chronic pain.