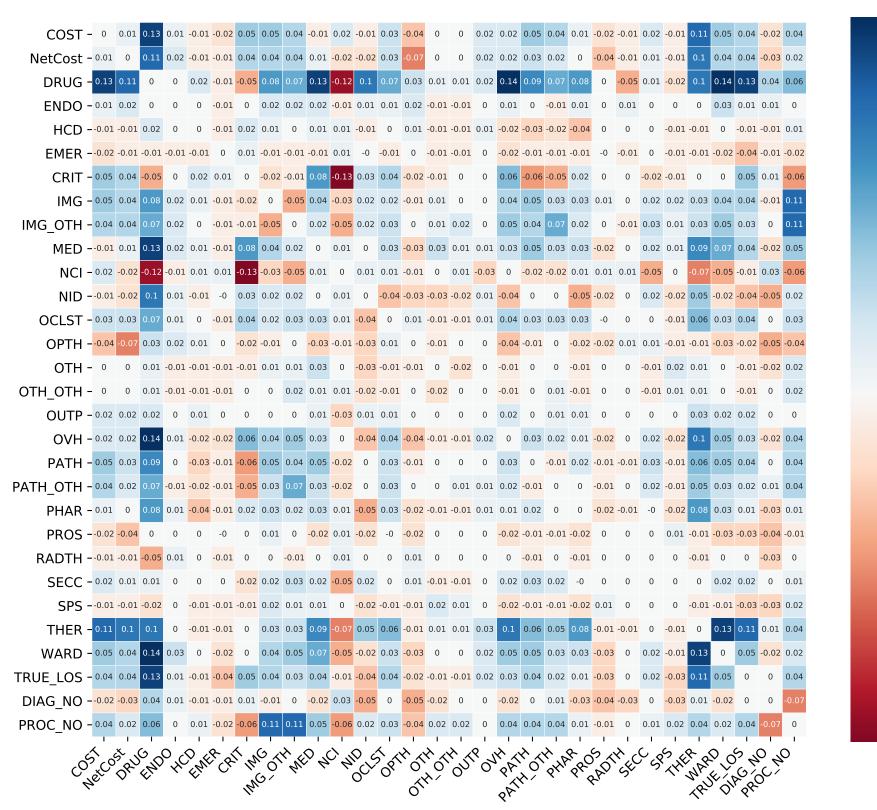Difference in correlation coefficients for diabetic patients and the general population