# emergency groups' office
## CODING & BILLING SERVICES

# Healthcare Data Analyst Test Application

HDC Import Export Knowledge Test

The purpose of this test is review the applicant's ability to understand and manipulate patient demographics by consuming data and exporting it to a predefined format and to review the applicants coding style. The applicant will be provided a sample Pipe Delimited demographic file, "Test_Sample_Demographics.txt", which Emergency Groups Office would receive on a daily basis. The sample file has a header record to describe the data contained. The second file, "EGO_HDC_Layout.pdf", is the file layout that our billing company requires for import. We only use the Format "B" layout Records "01", "02", and "03".

Tasks:

1. Download the two files listed about from our SFTP site. Credentials will be provided in a separate email.
2. Review and understand the content in the sample demographic file.
3. Review and understand the HDC Layout file and requirements.
4. Write a console application using VB.NET or C#:
   a. The application should read a xml file that:
      i. Directs application to the source demographic file directory:
      ii. File Name. Should have the ability to accept wild card characters:
         1. Example: Test_Sample_*.txt
      iii. Directs the application to the destination converted file directory:
      iv. Directs the application to a processed directory:
         1. This directory is where the source file goes after it is converted.
      v. Error Directory. When the source file doesn't contain the correct columns the files should be moved here.
      vi. Log Directory.
         1. The log directory should record the start time, source file, destination file, Success or Failure status, and completion time.
   b. Please note that the source file contains multiple records for 1 patient. The destination layout will only require 1 patient and Guarantor record per patient. A patient can only have 1 primary, secondary, and Tertiary insurance. Please ignore any duplicate data from the source file.
   c. All data should be converted to uppercase
   d. The value field in the layout file should be adhered to.
   e. The "Data Set" Acronym for this file should be EGO
   f. If data doesn't exist in the source then leave the field blank in the destination file.
5. Compress application source files and upload to the SFTP server for review.

Please send any questions to ntidwell@emergencygroupsoffice.com