COMPUTER SYSTEM AND METHOD FOR CLOSED-LOOP SUPPORT OF PATIENT SELF-TESTING

ABSTRACT OF THE DISCLOSURE

[0074] A computer system for the closed-loop support of patient self-testing includes data repository, healthcare provider interface, training interface, supplier, patient interface and analysis modules. The data repository module is configured to store patient enrollment and patient self-test information. The healthcare provider interface module is configured to receive patient enrollment and modified patient prescription information furnished by a healthcare provider and to transfer these to the data repository module. The healthcare provider interface module is also configured to communicate patient self-test result information to a healthcare provider. The training module is configured to receive patient diagnostic monitoring device training information and to transfer that information to the data repository module. The supplier module is configured to send notification information to a diagnostic monitoring device supplier, while the patient interface module is configured to receive patient self-test result information, transfer that information to the data repository module, and communicate modified patient prescription information to the patient. The analysis module is configured to validate patient's enrollment information; schedule patient training once the patient's enrollment information has been validated; evaluate patient diagnostic device training and patient self-test information stored in the data repository module; compile guideline compliance information based on patient enrollment, diagnostic device training and self-test information; and send notification information to the supplier module based on the evaluation. Also, a method for the closed-loop support of patient self-testing that includes scheduling of diagnostic monitoring device training based on validation of patient device training information.

Figure 1