one or more user devices to perform a method of facilitating the medical order/prescription of a prescription product for a patient covered by a provider, the method comprising: providing a memory including a plurality of predefined forms corresponding to one or more providers stored therein; receiving patient intake information including patient provider and prescription product information for the prescription product; generating, by a processor, a benefits verification request for the patient based on the patient intake information; obtaining a benefits summary based on the benefits verification request; selecting one of the predefined forms based on at least one of the patient provider information and the benefits summary; populating at least one field of the selected predefined form based on the patient intake information; and facilitating, by the processor, a medical order/prescription of the prescription product to the patient with the selected predefined form.

According to an aspect of the invention, a system for facilitating a medical order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form is disclosed, the system comprising at least one memory device having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to a plurality of providers; a data receiver configured to receive (i) prescription product information for the prescription product from a healthcare provider (HCP) computing device, (ii) patient-specific information including provider information for the patient from the HCP computing device, and (iii) a benefits summary related to the patient in response to a benefits verification request; and a data transmitter configured to transmit the benefits verification request. The system further comprising at least one processor configured to generate the benefits verification request for the patient based on the patient-specific information; select one of the predefined forms based on at least the patient provider information; populate at least one field of the selected predefined form based on the patient-specific information; generate a data message that includes the benefits summary and the populated form; encrypt the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device; compress the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device; transmit the encrypted and compressed data message to the

HCP computing device; andcause the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

According to another aspect of the invention, a method for facilitating a medical order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form is disclosed, the method comprising providing at least one memory having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to a plurality of providers; receiving, from a healthcare provider (HCP) computing device, (i) patient-specific information including provider information of the patient and (ii) prescription product information for the prescription product; generating, by a processor, a benefits verification request for the patient based on the patient-specific information; obtaining a benefits summary based on the benefits verification request; selecting one of the predefined forms based on at least one of the patient provider information and the benefits summary; populating at least one field of the selected predefined form based on the patient-specific information; generating a data message that includes the benefits summary and the populated form; encrypting the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device; compressing the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device; transmitting the encrypted and compressed data message to the HCP computing device; and causing the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

According to another aspect of the invention, a non-transitory computer readable medium containing computer-executable instructions that when executed cause one or more user devices to perform a method of facilitating a medical order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form is disclosed, the method comprising providing at least one memory

having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to a plurality of providers; receiving, from a healthcare provider (HCP) computing device, patient-specific information including patient provider and prescription product information for the prescription product; generating, by a processor, a benefits verification request for the patient based on the patient-specific information; obtaining a benefits summary based on the benefits verification request; selecting one of the predefined forms based on at least one of the patient provider information and the benefits summary; populating at least one field of the selected predefined form based on the patient-specific information; generating a data message that includes the benefits summary and the populated form; encrypting the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device; compressing the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device; transmitting the encrypted and compressed data message to the HCP computing device; and causing the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

It is to be understood that both the foregoing general description and the following detailed description are exemplary and are intended to provide further explanation of the disclosed subject matter.

The accompanying drawings, which are incorporated in and constitute part of this specification, are included to illustrate and provide further understanding of the disclosed subject matter. It will be appreciated that the drawings are not to scale, and are provided for purposes of illustration only. Together with the description, the drawings serve to explain the principles of the disclosed subject matter.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a block diagram of an exemplary system for facilitating the medical order/prescription of a prescription product in accordance with an embodiment of the disclosed subject matter.

Fig. 2 is a flow diagram of an exemplary method for facilitating the medical order/prescription of a prescription product in accordance with an embodiment of the disclosed subject matter.

Fig. 3A is a block diagram of a server architecture in accordance with an embodiment of the disclosed subject matter.

Fig. 3B is another block diagram of a server architecture in accordance with an embodiment of the disclosed subject matter.

Fig. 3C illustrates an exemplary configuration of a server computer device in accordance with an embodiment of the disclosed subject matter.

Fig. 4 illustrates an exemplary configuration of a user device in accordance with an embodiment of the disclosed subject matter.

Fig. 5 illustrates exemplary embodiments of a user device in accordance with embodiments of the disclosed subject matter.

Fig. 6 is a block diagram of an exemplary system for facilitating the medical order/prescription of a prescription product in accordance with another embodiment of the disclosed subject matter.

Fig. 7 illustrates an example method for obtaining insurance authorizations on prescription products or services.

CLAIMS

1. A system for facilitating a medical ~~order/prescription~~ order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form, comprising:

at least one memory device ~~to store~~ having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to a plurality of providers;

a data receiver configured to receive (i) prescription product information for the prescription ~~product and~~ product from a healthcare provider (HCP) computing device, (ii) ~~patient intake~~ patient-specific information ~~for the patient,~~ including provider information for the patient from the HCP computing device, and ~~to receive~~ (iii) a benefits summary related to the patient in response to a benefits verification request;

a data transmitter configured to transmit the benefits verification request; and

at least one processor configured to:

generate the benefits verification request for the patient based on the ~~patient intake~~ patient-specific information;

select one of the predefined forms based on at least the patient provider information;

populate at least one field of the selected predefined form based on the ~~user intake~~ patient-specific information; ~~and~~

generate a data message that includes the benefits summary and the populated form;

encrypt the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device;

compress the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device;

transmit the encrypted and compressed data message to the HCP computing device; and

cause the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

~~release the populated predefined form to facilitate a medical order/prescription of the prescription product to the patient.~~

2. The system of claim 1, wherein facilitating the medical ~~order/prescription~~ order or filling a prescription includes facilitating execution of a medical ~~order/prescription~~ order or filling of the prescription product or facilitating approval of a payment for the prescription product.

3. The system of claim 1, wherein the provider includes an insurance carrier, a governmental agency, or a third party payor.

~~4. The system of claim 1, wherein the prescription product includes a medical product, a medical service, or an administration of a medical product.~~

~~54~~. The system of claim 1, wherein the prescription product includes a biologic product.

~~65~~. The system of claim ~~54~~, wherein the biologic product comprises adalimumab.

~~76~~. The system of claim 1, wherein the plurality of predefined forms comprise at least one prior authorization form.

~~87~~. The system of claim 1, wherein the at least one memory device ~~stores~~ has stored therein a second plurality of forms for a second prescription product, the second plurality of predefined forms corresponding to a plurality of providers.

~~98~~. The system of claim 1, wherein the processor is configured to automatically select one of the predefined forms based on the patient provider information.

~~109~~. The system of claim 1, wherein the data transmitter is configured to transmit the benefits verification request to a benefits verifier, and wherein the data receiver is configured to receive the benefits ~~verification~~ summary from the benefits verifier.

~~1110~~. The system of claim ~~109~~, wherein the data receiver is further configured to receive information about the predefined forms from the benefits verifier, and the processor is configured to select one of the predefined forms further based on the information about the predefined forms received from the benefits verifier.

~~1211~~. The system of claim 1, wherein the data transmitter is further configured to transmit a request for additional patient information to at least one user device.

~~13~~12. The system of claim ~~12~~11, wherein the processor is further configured to receive the additional patient information and populate at least one field of the selected predefined form with the additional patient information.

~~14~~13. The system of claim ~~12~~11, wherein the additional patient information includes information required for the selected predefined forms and not included in the ~~patient intake~~ patient-specific information or the prescription product information for the prescription product.

~~15~~14. The system of claim 1, wherein the processor is configured to ~~release~~ allow the populated predefined form to be accessed by the provider of the patient.

~~16~~15. The system of claim 1, wherein the processor is further configured to generate a prescription ordering document from at least a portion of the prescription product information and the ~~patient intake~~ patient-specific information, and ~~release~~ to allow the prescription ordering document to be accessed by a pharmacy.

~~17~~16. The system of claim 1, further comprising at least one user device to introduce the ~~patient intake~~ patient-specific information and prescription product information to the data receiver.

~~18~~17. The system of claim 1, wherein the data transmitter and the data receiver are connected to a network, and wherein the data transmitter is further configured to transmit markup language describing a user interface over the network, the user interface including fields for entry of the ~~patient intake~~ patient-specific information and the prescription product information.

~~19~~18. The system of claim ~~18~~17, ~~further comprising at least one user device connected to the network, the at least one user~~

~~device including~~ wherein the HCP computing device includes a memory for storing data and a processor configured to:

parse the markup language and display the user interface;

store in the memory the ~~patient intake~~ patient-specific information and prescription product information entered into the fields of the user interface; and

transmit the ~~patient intake~~ patient-specific information and prescription product information to the data receiver.

~~20~~19. The system of claim ~~19~~18, wherein the ~~at least one user~~ HCP computing device includes a tablet, a mobile phone, a laptop, or a desktop computer.

~~21~~20. The system of claim ~~19~~18, wherein the processor of the ~~at least one user~~ HCP computing device is further configured to:

receive ~~a healthcare provider~~ an HCP signature; and

generate a prescription ordering document from the prescription product information.

~~22~~21. The system of claim ~~21~~20, wherein the processor of the ~~user~~ HCP computing device is further configured to transmit the prescription ordering document to a pharmacy.

~~23~~22. The system of claim 16~~17~~, further comprising a scanning device communicatively coupled to the ~~at least one user~~ HCP computing device, and wherein the processor of the ~~at least one user~~ HCP computing device is further configured to:

receive one or more images of a patient identification document from the scanning device;

extract at least part of the ~~patient intake~~ patient-specific information from the patient identification document; and

automatically populate at least one field of the user interface.

~~24~~23. The system of claim ~~23~~22, wherein the patient identification document includes a license or an insurance card.

~~25~~24. A method for facilitating a medical ~~order/prescription~~ order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form, comprising:

providing at least one memory having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to a plurality of providers;

receiving, from a healthcare provider (HCP) computing device, (i) ~~patient intake~~ patient-specific information including provider information of the patient and (ii) prescription product information for the prescription product;

generating, by a processor, a benefits verification request for the patient based on the ~~patient intake~~ patient-specific information;

obtaining a benefits summary based on the benefits verification request;

selecting one of the predefined forms based on at least one of the patient provider information and the benefits summary;

populating at least one field of the selected predefined form based on the ~~patient intake~~ patient-specific information; ~~and~~

generating a data message that includes the benefits summary and the populated form;

encrypting the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device;

compressing the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device;

transmitting the encrypted and compressed data message to the HCP computing device; and

causing the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

~~facilitating, by the processor, a medical order/prescription of the prescription product to the patient with the selected predefined form.~~

~~26. The method of claim 25, wherein facilitating the medical order/prescription includes facilitating execution of a medical order/prescription of the prescription product or facilitating approval of a payment for the prescription product.~~

~~27~~25. The method of claim ~~25~~24, wherein the provider includes an insurance carrier, a governmental agency, or a third party payor.

~~28~~26. The method of claim ~~25~~24, wherein the prescription product includes a medical product, a medical service, or an administration of a medical product.

~~29~~27. The method of claim ~~25~~24, wherein the at least one prescription product includes a biologic product.

~~30~~28. The method of claim ~~29~~27, wherein the biologic product comprises adalimumab.

~~31~~29. The method of claim ~~25~~24, further comprising selecting a prescription product from a number of possible prescription products, the memory having stored therein a plurality of predefined forms for each possible prescription product.

~~32~~30. The method of claim ~~25~~24, wherein selecting one of the predefined forms includes ~~automatically selecting, by~~ using the processor~~,~~ to automatically select one of the predefined forms.

~~33~~31. The method of claim 24~~25~~, wherein obtaining a benefits summary comprises:

transmitting the benefits verification request to a benefits verifier; and

receiving the benefits summary from the benefits verifier.

~~34~~32. The method of ~~claim 30~~ claim 31, further comprising receiving information about the predefined forms from the benefits verifier, and wherein selecting one of the predefined forms includes selecting one of the predefined forms further based on the information about the predefined forms received from the benefits verifier.

~~35~~33. The method of claim ~~25~~24, further comprising requesting additional patient information.

~~36~~34. The method of claim ~~35~~33, further comprising receiving additional patient information and populating at least one field of the selected predefined form with the additional patient information.

~~37~~35. The method of claim ~~35~~33, wherein the additional patient information includes information required for the selected

predefined forms and not included in the ~~patient intake~~ patient-specific information or the prescription product information for the prescription product.

~~38~~36. The method of claim ~~25~~24, wherein the populated predefined form is ~~released to~~ accessible by the provider of the patient.

~~39~~37. The method of claim ~~25~~24, further comprising:

receiving ~~a healthcare provider~~ an HCP signature;

generating a prescription ordering document from the prescription product information; and

releasing the prescription ordering document to a pharmacy.

~~40~~38. The method of claim ~~25~~24, further comprising transmitting markup language describing a user interface over the network, the user interface including fields for entry of the ~~patient intake~~ patient-specific information and the prescription product information.

~~41~~39. The method of claim ~~40~~38, further comprising, at ~~a user device connected to the network~~ the HCP computing device:

parsing the markup language and display the user interface;

storing in the memory the ~~patient intake~~ patient-specific information and prescription product information entered into the fields of the user interface; and

transmitting the ~~patient intake~~ patient-specific information and prescription product information to the data receiver.

~~42~~40. The method of claim ~~41~~39, wherein the ~~at least one user~~ HCP computing device includes a tablet, mobile phone, laptop, or desktop computer.

~~43~~41. The method of claim ~~41~~39, further comprising, at the ~~user~~ HCP computing device, generating a prescription ordering document from the prescription product information, and receiving ~~a healthcare provider~~ an HCP signature prior to generating the prescription ordering document.

~~44~~42. The method of claim ~~43~~41, further comprising, at the HCP computing device, transmitting the prescription ordering document to a pharmacy.

~~45~~43. The method of claim ~~41~~39, further comprising, at the ~~user~~ HCP computing device:

receiving one or more images of a patient identification document from a scanning device communicatively coupled to the ~~user~~ HCP computing device;

extracting at least part of the ~~patient intake~~ patient-specific information from the image of the patient identification document; and

automatically populating at least one ~~filed~~ field of the user interface.

~~46~~44. The method of claim ~~45~~43, wherein the patient identification document includes a license or an insurance card.

~~47~~45. A non-transitory computer readable medium containing computer-executable instructions that when executed cause one or more user devices to perform a method of facilitating a medical ~~order/prescription~~ order or filling of a prescription product for a patient covered by a provider by providing an encrypted and compressed data message that includes a benefits summary and a populated form, the method comprising:

providing ~~a memory including~~ at least one memory having stored therein a plurality of predefined forms for the prescription product, the plurality of predefined forms corresponding to ~~one or more~~ a plurality of providers ~~stored therein~~;

receiving ~~patient intake~~, from a healthcare provider (HCP) computing device, patient-specific information including patient provider and prescription product information for the prescription product;

generating, by a processor, a benefits verification request for the patient based on the ~~patient intake~~ patient-specific information;

obtaining a benefits summary based on the benefits verification request;

selecting one of the predefined forms based on at least one of the patient provider information and the benefits summary;

populating at least one field of the selected predefined form based on the ~~patient intake~~ patient-specific information; ~~and~~

generating a data message that includes the benefits summary and the populated form;

encrypting the data message to protect patient privacy and to secure the data message for transmission to the HCP computing device, wherein the HCP computing device is a mobile device;

compressing the data message to reduce data size and to facilitate transmission of the data message to the HCP computing device;

transmitting the encrypted and compressed data message to the HCP computing device; and

causing the benefits summary and the populated form to be displayed on the HCP computing device to enable review of the benefits summary by the HCP, and to enable review and signature of the populated form by the HCP.

~~facilitating, by the processor, a medical order/prescription of the prescription product to the patient with the selected predefined form.~~

~~48. The non-transitory computer readable medium of claim 47, wherein facilitating the medical order/prescription includes facilitating execution of a medical order/prescription of the prescription product or facilitating approval of a payment for the prescription product.~~

~~49~~46. The non-transitory computer readable medium of claim ~~47~~45, wherein the provider includes an insurance carrier, a governmental agency, or a third party payor.

~~50~~47. The non-transitory computer readable medium of claim ~~47~~45, wherein the prescription product includes a medical product, a medical service, or an administration of a medical product.

~~51~~48. The non-transitory computer readable medium of claim ~~47~~45, wherein the at least one prescription product includes a biologic product.

~~52~~49. The non-transitory computer readable medium of claim ~~51~~48, wherein the biologic product comprises adalimumab.

~~53~~50. The non-transitory computer readable medium of claim ~~47~~45, further comprising selecting a prescription product from a number of possible prescription products, the memory having stored therein a plurality of predefined forms for each possible prescription product.

~~54~~51. The non-transitory computer readable medium of claim ~~47~~45, wherein selecting one of the predefined forms includes automatically selecting, by the processor, one of the predefined forms.

~~55~~52. The non-transitory computer readable medium of claim ~~47~~45, wherein obtaining a benefits summary comprises:

transmitting the benefits verification request to a benefits verifier; and

receiving the benefits summary from the benefits verifier.

~~56~~53. The non-transitory computer readable medium of claim ~~55~~52, further comprising receiving information about the predefined forms from the benefits verifier, and wherein selecting one of the predefined forms includes selecting one of the predefined forms further based on the information about the predefined forms received from the benefits verifier.

~~57~~54. The non-transitory computer readable medium of claim ~~47~~45, further comprising requesting additional patient information.

~~58~~55. The non-transitory computer readable medium of claim ~~57~~54, further comprising receiving additional patient information and populating at least one field of the selected predefined form with the additional patient information.

~~59~~56. The non-transitory computer readable medium of claim ~~57~~54, wherein the additional patient information includes information required for the selected predefined forms and not included in the ~~patient intake~~ patient-specific information or the prescription product information for the prescription product.

~~6057~~. The non-transitory computer readable medium of claim ~~4745~~, wherein the populated predefined form is ~~released to~~ accessible by the provider of the patient.

~~6158~~. The non-transitory computer readable medium of claim ~~4745~~, further comprising:

receiving ~~a healthcare provider~~ an HCP signature;

generating a prescription ordering document from the prescription product information; and

releasing the prescription ordering document to a pharmacy.

~~6259~~. The non-transitory computer readable medium of claim ~~4745~~, further comprising transmitting markup language describing a user interface over the network, the user interface including fields for entry of the ~~patient intake~~ patient-specific information and the prescription product information.

~~6360~~. The non-transitory computer readable medium of claim ~~6259~~, further comprising, at ~~a user device connected to the network~~ the HCP computing device:

parsing the markup language and ~~display~~ displaying the user interface;

storing in the memory the ~~patient intake~~ patient-specific information and prescription product information entered into the fields of the user interface; and

transmitting the ~~patient intake~~ patient-specific information and prescription product information to the data receiver.

~~6461~~. The non-transitory computer readable medium of claim ~~6360~~, wherein the ~~at least one user~~ HCP computing device includes a tablet, mobile phone, laptop, or desktop computer.

~~65~~62. The non-transitory computer readable medium of claim ~~63~~60, further comprising, at the ~~user~~ HCP computing device, generating a prescription ordering document from the prescription product information, and receiving ~~a healthcare provider~~ an HCP signature prior to generating the prescription ordering document.

~~66~~63. The non-transitory computer readable medium of claim ~~65~~62, further comprising, at the ~~user~~ HCP computing device, transmitting the prescription ordering document to a pharmacy.

~~67~~64. The non-transitory computer readable medium of claim ~~63~~60, further comprising, at the ~~user~~ HCP computing device:

receiving one or more images of a patient identification document from a scanning device communicatively coupled to the ~~user~~ HCP computing device;

extracting at least part of the ~~patient intake~~ patient-specific information from the image of the patient identification document; and

automatically populating at least one ~~filed~~ field of the user interface.

~~68~~65. The non-transitory computer readable medium of claim ~~67~~64, wherein the patient identification document includes a license or an insurance card.