	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
3	1	ISA01	Authorization Information Qualifier	2/2	ID	M		ISA01	Authorization Information Qualifier	2/2	ID	M
4	1	ISA02	Authorization Information	10/10	AN	M		ISA02	Authorization Information	10/10	AN	M
5	1	ISA03	Security Information Qualifier	2/2	ID	M		ISA03	Security Information Qualifier	2/2	ID	M
6	1	ISA04	Security Information	10/10	AN	M		ISA04	Security Information	10/10	AN	M
7	1	ISA05	Interchange ID Qualifier	2/2	ID	M		ISA05	Interchange ID Qualifier	2/2	ID	M
8	1	ISA06	Interchange Sender ID	15/15	AN	M	eligRequest / clientSecurityKey	ISA06	Interchange Sender ID	15/15	AN	M
9	1	ISA07	Interchange ID Qualifier	2/2	ID	M		ISA07	Interchange ID Qualifier	2/2	ID	M
10	1	ISA08	Interchange Receiver ID	15/15	AN	M		ISA08	Interchange Receiver ID	15/15	AN	M
11	1	ISA09	Interchange Date	6/6	DT	M		ISA09	Interchange Date	6/6	DT	M
12	1	ISA10	Interchange Time	4/4	TM	M		ISA10	Interchange Time	4/4	TM	M
13	**2**	**ISA11**	**Interchange Control Standards Identifier**	**1/1**	**ID**	**M**	**U in 4010 ^ In 5010**	**ISA11**	**Repetition Separator**	**1/1**	**ID**	**M**
14	1	ISA12	Interchange Control Version Number	5/5	ID	M	**00401 in 4010 00501 in 5010**	ISA12	Interchange Control Version Number	5/5	ID	M
15	1	ISA13	Interchange Control Number	9/9	N0	M		ISA13	Interchange Control Number	9/9	N0	M
16	1	ISA14	Acknowledgment Requested	1/1	ID	M		ISA14	Acknowledgment Requested	1/1	ID	M
17	1	ISA15	Usage Indicator	1/1	ID	M		ISA15	Usage Indicator	1/1	ID	M
18	2	ISA16	Component Element Separator	1/1		M	: (colon)	ISA16	Component Element Separator	1/1		M
19												
20	1	GS01	Functional Identifier Code	2/2	ID	M		GS01	Functional Identifier Code	2/2	ID	M
21	1	GS02	Application Sender's Code	2/15	AN	M		GS02	Application Sender's Code	2/15	AN	M
22	1	GS03	Application Receiver's Code	2/15	AN	M		GS03	Application Receiver's Code	2/15	AN	M
23	1	GS04	Date	8/8	DT	M		GS04	Date	8/8	DT	M
24	1	GS05	Time	4/8	TM	M		GS05	Time	4/8	TM	M
25	1	GS06	Group Control Number	1/9	N0	M		GS06	Group Control Number	1/9	N0	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
26	1	GS07	Responsible Agency Code	1/2	ID	M		GS07	Responsible Agency Code	1/2	ID	M
27	**2**	GS08	Version/Release/Industry Identifier Code	1/12	AN	M		GS08	Version/Release/Industry Identifier Code	1/12	AN	M
28												
29	1	ST01	Transaction Set Identifier	3/3	ID	M	eligRequest / transactionId hard coded with 270 when ST02 is processed	ST01	Transaction Set Identifier	3/3	ID	M
30	1	ST02	Transaction Set Control Number	4/9	AN	M	eligRequest / transactionControlNum	ST02	Transaction Set Control Number	4/9	AN	M
31	**3**						**Not Used**	**ST03**	**Implementation Convention**	**1/35**	**AN**	**M**
32												
33	1	BHT01	Hierarchial Structure Code	4/4	ID	M		BHT01	Hierarchial Structure Code	4/4	ID	M
34	1	BHT02	Transaction Set Purpose Code	2/2	ID	M		BHT02	Transaction Set Purpose Code	2/2	ID	M
35	**2**	BHT03	Submitter Transaction Identifier	**1/30**	AN	O	eligRequest / referenceId Note: This element is mapped if it exists	BHT03	Submitter Transaction Identifier	**1/50**	AN	O
36	1	BHT04	Transaction Set Creation Date	8/8	DT	M		BHT04	Transaction Set Creation Date	8/8	DT	M
37	1	BHT05	Transaction Set Creation Time	4/8	TM	M		BHT05	Transaction Set Creation Time	4/8	TM	M
38	1	BHT06	Transaction Type Code	2/2	ID	O		BHT06	Transaction Type Code	2/2	ID	O
39												
40	4							HL01	Hierarchial ID Number	1/12	AN	M
41	4							HL02	Hierarchial ID Parent Number	1/12	AN	O
42	4							HL03	Hierarchial Level Code	1/2	ID	M
43	4							HL04	Hierarchial Child Code	1/1	ID	M
44												
45	1	NM101	Entity Identifier Code	2/3	ID	M	eligInfoSource / entityCode	NM101	Entity Identifier Code	2/3	ID	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
46	1	NM102	Entity Type Qualifier	1/1	ID	M	eligInfoSource / entityTypeQual	NM102	Entity Type Qualifier	1/1	ID	M
47	**2**	NM103	Information Source Last or Organization Name	**1/35**	AN	M	eligInfoSource / orgName	NM103	Information Source Last or Organization Name	**1/60**	AN	M
48	**2**	NM104	Information Source First Name	**1/25**	AN	O	eligInfoSource / nameFirst	NM104	Information Source First Name	**1/35**	AN	O
49	1	NM105	Information Source Middle Name	1/25	AN	O	eligInfoSource / nameMiddle	NM105	Information Source Middle Name	1/25	AN	O
50	1	NM106	Name Prefix	1/10	AN	O	Not Used	NM106	Name Prefix	1/10	AN	O
51	1	NM107	Information Source Name Prefix	1/10	AN	O	eligInfoSource / nameSuffix	NM107	Information Source Name Prefix	1/10	AN	O
52	1	NM108	Identification Code Qualifier	1/2	ID	M	eligInfoSource / idCodeQual	NM108	Identification Code Qualifier	1/2	ID	M
53	1	NM109	Information Source Primary Identifier	2/80	AN	M	eligInfoSource / idCode	NM109	Information Source Primary Identifier	2/80	AN	M
54	1	NM110	Entity Relationship Code	2/2	ID	X	Not Used	NM110	Entity Relationship Code	2/2	ID	X
55	1	NM111	Entity Identifier Code	2/3	ID	O	Not Used	NM111	Entity Identifier Code	2/3	ID	O
56	**3**						**Not Used**	**NM112**	**Name Last or Organization Name**	**1/60**	**AN**	**O**
57												
58	4							HL01	Hierarchial ID Number	1/12	AN	M
59	4							HL02	Hierarchial ID Parent Number	1/12	AN	M
60	4							HL03	Hierarchial Level Code	1/2	ID	M
61	4							HL04	Hierarchial Child Code	1/1	ID	M
62												
63	1	NM101	Entity Identifier Code	2/3	ID	M	eligInfoReceiver / entityCode	NM101	Entity Identifier Code	2/3	ID	M
64	1	NM102	Entity Type Qualifier	1/1	ID	M	eligInfoReceiver / entityTypeQual	NM102	Entity Type Qualifier	1/1	ID	M
65	**2**	NM103	Information Source Last or Organization Name	**1/35**	AN	M	eligInfoReceiver / orgName	NM103	Information Receiver Last or Organization Name	**1/60**	AN	M
66	**2**	NM104	Information Source First Name	**1/25**	AN	O	eligInfoReceiver / nameFirst	NM104	Information Receiver First Name	**1/35**	AN	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
67	1	NM105	Information Source Middle Name	1/25	AN	O	eligInfoReceiver / nameMiddle	NM105	Information Receiver Middle Name	1/25	AN	O
68	1	NM106	Name Prefix	1/10	AN	O	Not Used	NM106	Name Prefix	1/10	AN	O
69	1	NM107	Information Source Name Prefix	1/10	AN	O	eligInfoReceiver / nameSuffix	NM107	Information Receiver Name Prefix	1/10	AN	O
70	1	NM108	Identification Code Qualifier	1/2	ID	M	eligInfoReceiver / idCodeQual	NM108	Identification Code Qualifier	1/2	ID	M
71	1	NM109	Information Source Primary Identifier	2/80	AN	M	eligInfoReceiver / providerNumber - Mapping based upon NM108 If NM108 = XX eligInfoReceiver / providerNumber = NM109 eligInfoReceiver / providerLocationCode = spaces Else eligInfoReceiver / providerNumber = 1st 9 characters NM109 eligInfoReceiver / providerLocationCode = 10th Character NM109 Endif Note: This location code logic is probably no longer required.	NM109	Information Receiver Primary Identifier	2/80	AN	M
72	1	NM110	Entity Relationship Code	2/2	ID	X	Not Used	NM110	Entity Relationship Code	2/2	ID	X
73	1	NM111	Entity Identifier Code	2/3	ID	O	Not Used	NM111	Entity Identifier Code	2/3	ID	O
74	**3**						**Not Used**	**NM112**	**Name Last or Organization Name**	**1/60**	**AN**	**O**
75												
76	1	REF01	Reference Identification Qualifier	2/3	ID	M	eligInfoReceiver / idQualifier	REF01	Reference Identification Qualifier	2/3	ID	M
77	**2**	REF02	Subscriber Supplemental Identifier	**1/30**	AN	M	eligInfoReceiver / referenceId Should attribute be expanded?	REF02	Information Receiver Additional Identifier	**1/50**	AN	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
78	1	REF03	Description	1/80	AN	X	eligInfoReceiver / refDescription	REF03	Information Receiver Additional Identifier State	1/80	AN	X
79	1	REF04	Reference Identifier			O	Not Used	REF04	Reference Identifier			O
80												
81	4							N301	Information Receiver Address Line 1	1/55	AN	M
82	4							N302	Information Receiver Address Line 2	1/55	AN	O
83												
84	4							N401	Information Receiver City Name	2/30	AN	M
85	4							N402	Information Receiver State Code	2/2	ID	X
86	4							N403	Information Receiver Zip Code	3/15	ID	O
87	4							N404	Country Code	2/3	ID	X
88	4							N405	Location Qualifier	1/2	ID	O
89	4							N406	Location Identifier	1/30	AN	X
90	4							N407	Country Subdivision Code	1/3	ID	X
91												
92	4							PRV01	Provider Code	1/3	ID	M
93	4							PRV02	Reference Identification Qualifier	2/3	ID	X
94	4							PRV03	Receiver Provider Taxonomy Code	1/50	AN	X
95	4							PRV04	State or Province Code	2/2	ID	O
96	4							PRV05	Provider Speciality Information			O
97	4							PRV06	Provider Organization Code	3/3	ID	O
98												
99	4							HL01	Hierarchial ID Number	1/12	AN	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
100	4							HL02	Hierarchial ID Parent Number	1/12	AN	M
101	4							HL03	Hierarchial Level Code	1/2	ID	M
102	4							HL04	Hierarchial Child Code	1/1	ID	M
103												
104							Note: TRN can occur 2 times					
105	1	TRN01	Trace Type Code	1/2	ID	M	eligSubscriberTrn / traceTypeCode	TRN01	Trace Type Code	1/2	ID	M
106	**2**	TRN02	Trace Number	**1/30**	AN	M	eligSubscriberTrn / traceRefId	TRN02	Trace Number	**1/50**	AN	M
107	1	TRN03	Trace Assigning Entity Identifier	10/10	AN	M	eligSubscriberTrn / traceOrigCode	TRN03	Trace Assigning Entity Identifier	10/10	AN	M
108	**2**	TRN04	Trace Assigning Entity Additional Identifier	**1/30**	AN	O	eligSubscriberTrn / traceRefId2	TRN04	Trace Assigning Entity Additional Identifier	**1/50**	AN	O
109												
110	1	NM101	Entity Identifier Code	2/3	ID	M	eligSubscriber / entityCode	NM101	Entity Identifier Code	2/3	ID	M
111	1	NM102	Entity Type Qualifier	1/1	ID	M	eligSubscriber / entityTypeQual	NM102	Entity Type Qualifier	1/1	ID	M
112	**2**	NM103	Subscriber Last Name	**1/35**	AN	X	eligSubscriber / eligSubscriber / orgName - 1st 20 characters mapped	NM103	Subscriber Last Name	**1/60**	AN	X
113	**2**	NM104	Subscriber First Name	**1/25**	AN	O	eligSubscriber / nameFirst - 1st 15 characters	NM104	Subscriber First Name	**1/35**	AN	O
114	1	NM105	Subscriber Middle Name	1/25	AN	O	eligSubscriber / nameMiddle	NM105	Subscriber Middle Name	1/25	AN	O
115	1	NM106	Name Prefix	1/10	AN	O	Not Used	NM106	Name Prefix	1/10	AN	O
116	1	NM107	Subscriber Name Prefix	1/10	AN	O	eligSubscriber / nameSuffix	NM107	Subscriber Name Prefix	1/10	AN	O
117	1	NM108	Identification Code Qualifier	1/2	ID	X	eligSubscriber / idCodeQual	NM108	Identification Code Qualifier	1/2	ID	X
118	1	NM109	Subscriber Primary Identifier	2/80	AN	X	If 9 characters map eligSubscriber / recipientSSN If 11 characters map eligSubscriber / recipientId	NM109	Subscriber Primary Identifier	2/80	AN	X
119	1	NM110	Entity Relationship Code	2/2	ID	X	Not Used	NM110	Entity Relationship Code	2/2	ID	X
120	1	NM111	Entity Identifier Code	2/3	ID	O	Not Used	NM111	Entity Identifier Code	2/3	ID	O
121	**3**						**Not Used**	**NM112**	**Name Last or Organization Name**	**1/60**	**AN**	**O**
122												
123							REF can occur up to 9 times.					

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
124	1	REF01	Reference Identification Qualifier	2/3	ID	M		REF01	Reference Identification Qualifier	2/3	ID	M
125	**2**	REF02	Subscriber Supplemental Identifier	**1/30**	AN	M	Mapping Based on REF01 REF01 = SY - mapped eligSubscriber / recipientSSN REF01 = EJ - mapped eligSubscriber / recipientPatientAcctNum REF01 = NQ - mapped eligSubscriber / recipientId	REF02	Subscriber Supplemental Identifier	**1/50**	AN	M
126	1	REF03	Description	1/80	AN	X	Not Used	REF03	Description	1/80	AN	X
127	1	REF04	Reference Identifier			O	Not Used	REF04	Reference Identifier			O
128												
129	4							N301	Subscriber Address Line 1	1/55	AN	M
130	4							N302	Subscriber Address Line 2	1/55	AN	O
131												
132	4							N401	Subscriber City Name	2/30	AN	M
133	4							N402	Subscriber State Code	2/2	ID	X
134	4							N403	Subscriber Zip Code	3/15	ID	O
135	4							N404	Country Code	2/3	ID	X
136	4							N405	Location Qualifier	1/2	ID	O
137	4							N406	Location Identifier	1/30	AN	X
138												
139	4							PRV01	Provider Code	1/3	ID	M
140	4							PRV02	Reference Identification Qualifier	2/3	ID	X
141	4							PRV03	Provider Identifier	1/50	AN	X
142	4							PRV04	State or Province Code	2/2	ID	O
143	4							PRV05	Provider Speciality Information			O
144	4							PRV06	Provider Organization Code	3/3	ID	O
145												
146	1	DMG01	Date Time Period Format Qualifier	2/3	ID	X		DMG01	Date Time Period Format Qualifier	2/3	ID	X

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
147	1	DMG02	Subscriber Birth Date	1/35	AN	X	eligSubscriber / recipientDateOfBirth Date Formatted from CCYYMMDD to MM/DD/CCYY	DMG02	Subscriber Birth Date	1/35	AN	X
148	1	DMG03	Subscriber Gender Code	1/1	ID	O		DMG03	Subscriber Gender Code	1/1	ID	O
149	1	DMG04	Marital Status Code	1/1	ID	O	Not Used	DMG04	Marital Status Code	1/1	ID	O
150	1	DMG05	Race or Ethnicity Information			X	Not Used	DMG05	Race or Ethnicity Information			X
151	1	DMG06	Citizenship Status Code	1/2	ID	O	Not Used	DMG06	Citizenship Status Code	1/2	ID	O
152	1	DMG07	Country Code	2/3	ID	O	Not Used	DMG07	Country Code	2/3	ID	O
153	1	DMG08	Basis of Verification Code	1/2	ID	O	Not Used	DMG08	Basis of Verification Code	1/2	ID	O
154	1	DMG09	Quantity	1/15	R	O	Not Used	DMG09	Quantity	1/15	R	O
155	1	DMG10	Code List Qualifier Code	1/3	ID	X	Not Used	DMG10	Code List Qualifier Code	1/3	ID	X
156	1	DMG11	Industry Code	1/30	AN	X	Not Used	DMG11	Industry Code	1/30	AN	X
157												
158	4							INS01	Insured Indicator	1/1	ID	M
159	4							INS02	Individual Relationship Code	1/1	ID	M
160	4							INS03	Maintenance Type Code	3/3	ID	O
161	4							INS04	Maintenance Reason Code	2/3	ID	O
162	4							INS05	Benefit Status Code	1/1	ID	O
163	4							INS06	Medicare Status Code			O
164	4							INS07	COBRA Qualifying	1/2	ID	O
165	4							INS08	Employment Status Code	2/2	ID	O
166	4							INS09	Student Status Code	1/1	ID	O
167	4							INS10	Yes/No Condition or Response Code	1/1	ID	O
168	4							INS11	Date Time Period Format Qualifier	2/3	ID	X
169	4							INS12	Date Time Period	1/35	AN	X
170	4							INS13	Confidentiality Code	1/1	ID	O
171	4							INS14	City Name	2/30	AN	O
172	4							INS15	State or Province Code	2/2	ID	O
173	4							INS16	Country Code	2/3	ID	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
174	4							INS17	Birth Sequence Number	1/9	N0	O
175												
176	**3**							**HI01**	**Principal Health Care Info Composite Element**			**M**
177	**3**							**HI01:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
178	**3**							**HI01:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
179	**3**							**HI01:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
180	**3**							**HI01:04**	**Date Time Period**	**1/35**	**AN**	**X**
181	**3**							**HI01:05**	**Monetary Amount**	**1/18**	**R**	**O**
182	**3**							**HI01:06**	**Quantity**	**1/15**	**R**	**O**
183	**3**							**HI01:07**	**Version Identifier**	**1/30**	**AN**	**O**
184	**3**							**HI01:08**	**Industry Code**	**1/30**	**AN**	**X**
185	**3**							**HI01:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
186	**3**							**HI02**	**Additional Health Care Info Composite Element**			**O**
187	**3**							**HI02:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
188	**3**							**HI02:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
189	**3**							**HI02:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
190	**3**							**HI02:04**	**Date Time Period**	**1/35**	**AN**	**X**
191	**3**							**HI02:05**	**Monetary Amount**	**1/18**	**R**	**O**
192	**3**							**HI02:06**	**Quantity**	**1/15**	**R**	**O**
193	**3**							**HI02:07**	**Version Identifier**	**1/30**	**AN**	**O**
194	**3**							**HI02:08**	**Industry Code**	**1/30**	**AN**	**X**
195	**3**							**HI02:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
196	**3**							**HI03**	**Additional Health Care Info Composite Element**			**O**
197	**3**							**HI03:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
198	**3**							**HI03:02**	**Diagnosis Code**	**1/30**	**AN**	**M**

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
199	**3**							**HI03:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
200	**3**							**HI03:04**	**Date Time Period**	**1/35**	**AN**	**X**
201	**3**							**HI03:05**	**Monetary Amount**	**1/18**	**R**	**O**
202	**3**							**HI03:06**	**Quantity**	**1/15**	**R**	**O**
203	**3**							**HI03:07**	**Version Identifier**	**1/30**	**AN**	**O**
204	**3**							**HI03:08**	**Industry Code**	**1/30**	**AN**	**X**
205	**3**							**HI03:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
206	**3**							**HI04**	**Additional Health Care Info Composite Element**			**O**
207	**3**							**HI04:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
208	**3**							**HI04:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
209	**3**							**HI04:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
210	**3**							**HI04:04**	**Date Time Period**	**1/35**	**AN**	**X**
211	**3**							**HI04:05**	**Monetary Amount**	**1/18**	**R**	**O**
212	**3**							**HI04:06**	**Quantity**	**1/15**	**R**	**O**
213	**3**							**HI04:07**	**Version Identifier**	**1/30**	**AN**	**O**
214	**3**							**HI04:08**	**Industry Code**	**1/30**	**AN**	**X**
215	**3**							**HI04:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
216	**3**							**HI05**	**Additional Health Care Info Composite Element**			**O**
217	**3**							**HI05:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
218	**3**							**HI05:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
219	**3**							**HI05:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
220	**3**							**HI05:04**	**Date Time Period**	**1/35**	**AN**	**X**
221	**3**							**HI05:05**	**Monetary Amount**	**1/18**	**R**	**O**
222	**3**							**HI05:06**	**Quantity**	**1/15**	**R**	**O**
223	**3**							**HI05:07**	**Version Identifier**	**1/30**	**AN**	**O**
224	**3**							**HI05:08**	**Industry Code**	**1/30**	**AN**	**X**

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
225	**3**							**HI05:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
226	**3**							**HI06**	**Additional Health Care Info Composite Element**			**O**
227	**3**							**HI06:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
228	**3**							**HI06:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
229	**3**							**HI06:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
230	**3**							**HI06:04**	**Date Time Period**	**1/35**	**AN**	**X**
231	**3**							**HI06:05**	**Monetary Amount**	**1/18**	**R**	**O**
232	**3**							**HI06:06**	**Quantity**	**1/15**	**R**	**O**
233	**3**							**HI06:07**	**Version Identifier**	**1/30**	**AN**	**O**
234	**3**							**HI06:08**	**Industry Code**	**1/30**	**AN**	**X**
235	**3**							**HI06:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
236	**3**							**HI07**	**Additional Health Care Info Composite Element**			**O**
237	**3**							**HI07:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
238	**3**							**HI07:02**	**Diagnosis Code**	**1/30**	**AN**	**M**
239	**3**							**HI07:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
240	**3**							**HI07:04**	**Date Time Period**	**1/35**	**AN**	**X**
241	**3**							**HI07:05**	**Monetary Amount**	**1/18**	**R**	**O**
242	**3**							**HI07:06**	**Quantity**	**1/15**	**R**	**O**
243	**3**							**HI07:07**	**Version Identifier**	**1/30**	**AN**	**O**
244	**3**							**HI07:08**	**Industry Code**	**1/30**	**AN**	**X**
245	**3**							**HI07:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
246	**3**							**HI08**	**Additional Health Care Info Composite Element**			**O**
247	**3**							**HI08:01**	**Diagnosis Type**	**1/3**	**ID**	**M**
248	**3**							**HI08:02**	**Diagnosis Code**	**1/30**	**AN**	**M**

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
249	**3**							**HI08:03**	**Date Time Period Format Qualifier**	**2/3**	**ID**	**X**
250	**3**							**HI08:04**	**Date Time Period**	**1/35**	**AN**	**X**
251	**3**							**HI08:05**	**Monetary Amount**	**1/18**	**R**	**O**
252	**3**							**HI08:06**	**Quantity**	**1/15**	**R**	**O**
253	**3**							**HI08:07**	**Version Identifier**	**1/30**	**AN**	**O**
254	**3**							**HI08:08**	**Industry Code**	**1/30**	**AN**	**X**
255	**3**							**HI08:09**	**Yes/No Condition or Response Code**	**1/1**	**ID**	**X**
256	**3**							**HI09**	**Additional Health Care Info Composite Element**			**O**
257	**3**							**HI10**	**Additional Health Care Info Composite Element**			**O**
258	**3**							**HI11**	**Additional Health Care Info Composite Element**			**O**
259	**3**							**HI12**	**Additional Health Care Info Composite Element**			**O**
260												
261							DTP segment can repeat twice 102, 307, 435, and 472 are mapped in 4010 **102, 307, 435 and 472 are valid in 4010 standard** **102 and 291 are valid in 5010 standard** **291 used in 5010**					
262	1	DTP01	Date/Time Qualifier	3/3	ID	M	eligSubscriberDate / dteQualifier	DTP01	Date/Time Qualifier	3/3	ID	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
263	1	DTP02	Date Time Period Format Qualifier	2/3	ID	M	D8 or RD8 **RD8 used in 5010** eligSubscriberDate / dteFormat	DTP02	Date Time Period Format Qualifier	2/3	ID	M
264	1	DTP03	Date Time Period	1/35	AN	M	Dates formatted MM/DD/CCYY D8 - mapped to from and to date DTP01 102 converted to 307 - System Date Mapped to dates **Date range sent in 5010 and mapped as follows:** eligSubscriberDate / fromDateOfService eligSubscriberDate / toDateOfService	DTP03	Date Time Period	1/35	AN	M
265												
266	1							EQ01	Service Type Code	1/2	ID	X
267	1							EQ02	Composite Medical Procedure Identifier			X
268	1							EQ02:01	Product or Service ID Qualifier	2/2	ID	M
269	1							EQ02:02	Procedure Code	1/48	AN	M
270	1							EQ02:03	Procedure Modifier	2/2	AN	O
271	1							EQ02:04	Procedure Modifier	2/2	AN	O
272	1							EQ02:05	Procedure Modifier	2/2	AN	O
273	1							EQ02:06	Procedure Modifier	2/2	AN	O
274	1							EQ02:07	Description	1/80	AN	O
275	**3**							**EQ02:08**	**Product or Service ID Qualifier**	**1/48**	**AN**	**O**
276	1							EQ03	Coverage Level Code	3/3	ID	O
277	1							EQ04	Insurance Type Code	1/3	ID	O
278	**3**							**EQ05**	**Composite Diagnosis Code Pointer**			**O**
279	**3**							**EQ05:01**	**Diagnosis Code Pointer**	**1/2**	**N0**	**M**

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
280	**3**							**EQ05:02**	**Diagnosis Code Pointer**	**1/2**	**N0**	**O**
281	**3**							**EQ05:03**	**Diagnosis Code Pointer**	**1/2**	**N0**	**O**
282	**3**							**EQ05:04**	**Diagnosis Code Pointer**	**1/2**	**N0**	**O**
283												
284	4							AMT01	Amount Qualifier Code	1/3	ID	M
285	4							AMT02	Spend Down Amount	1/18	R	M
286	4							AMT03	Credit/Debit Flag Code	1/1	ID	O
287												
288	4							AMT01	Amount Qualifier Code	1/3	ID	M
289	4							AMT02	Spend Down Total Billed Amount	1/18	R	M
290	4							AMT03	Credit/Debit Flag Code	1/1	ID	O
291												
292	4							III01	Code List Qualifier Code	1/3	ID	M
293	4							III02	Industry Code	1/30	AN	M
294	4							III03	Code Category	2/2	ID	O
295	4							III04	Free-form Text Message	1/264	AN	X
296	4							III05	Quantity	1/15	R	X
297	4							III06	Composite Unit of Measure			O
298	4							III07	Surface/Layer/Position Code	2/2	ID	O
299	4							III08	Surface/Layer/Position Code	2/2	ID	O
300	4							III09	Surface/Layer/Position Code	2/2	ID	O
301												
302	4							REF01	Reference Identification Qualifier	2/3	ID	M
303	4							REF02	Prior Authorization or Referral Number	1/50	AN	M
304	4							REF03	Description	1/80	AN	X
305	4							REF04	Reference Identifier			O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
306												
307	4							DTP01	Date Time Qualifier	3/3	ID	M
308	4							DTP02	Date Time Period Format Qualifier	2/3	ID	M
309	4							DTP03	Date Time Period	1/35	AN	M
310												
311	4							HL01	Hierarchial ID Number	1/12	AN	M
312	4							HL02	Hierarchial ID Parent Number	1/12	AN	M
313	4							HL03	Hierarchial Level Code	1/2	ID	M
314	4							HL04	Hierarchial Child Code	1/1	ID	M
315												
316	4							TRN01	Trace Type Code	1/2	ID	M
317	4							TRN02	Trace Number	1/50	AN	M
318	4							TRN03	Trace Assigning Entity Identifier	10/10	AN	M
319	4							TRN04	Trace Assigning Entity Additional Identifier	1/50	AN	O
320												
321	4							NM101	Entity Identifier Code	2/3	ID	M
322	4							NM102	Entity Type Qualifier	1/1	ID	M
323	4							NM103	Dependent Last Name	1/60	AN	X
324	4							NM104	Dependent First Name	1/35	AN	X
325	4							NM105	Dependent Middle Name	1/25	AN	X
326	4							NM106	Name Prefix	1/10	AN	O
327	4							NM107	Dependent Name Suffix	1/10	AN	O
328	4							NM108	Identification Code Qualifier	1/2	ID	X
329	4							NM109	Identification Code	2/80	AN	X
330	4							NM110	Entity Relationship Code	2/2	ID	X
331	4							NM111	Entity Identifier Code	2/3	ID	O
332	**3**							**NM112**	**Name Last or Organization Name**	**1/60**	**AN**	**O**

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
333												
334	4							REF01	Reference Identification Qualifier	2/3	IS	M
335	4							REF02	Dependent Supplemental Identifier	1/50	AN	M
336	4							REF03	Description	1/80	AN	X
337	4							REF04	Reference Identifier			O
338												
339	4							N301	Dependent Address Line 1	1/55	AN	M
340	4							N302	Dependent Address Line 2	1/55	AN	O
341												
342	4							N401	Dependent City Name	2/30	AN	M
343	4							N402	Dependent State Code	2/2	ID	X
344	4							N403	Dependent Zip Code	3/15	ID	O
345	4							N404	Country Code	2/3	ID	X
346	4							N405	Location Qualifier	1/2	ID	X
347	4							N406	Location Identifier	1/30	AN	O
348	4							N407	Country Subdivision Code	1/3	ID	X
349												
350	4							PRV01	Provider Code	1/3	ID	M
351	4							PRV02	Provider Identifier Qualifier	2/3	ID	X
352	4							PRV03	Provider Identifier	1/50	AN	X
353	4							PRV04	State or Province Code	2/2	ID	O
354	4							PRV05	Provider Speciality Information			O
355	4							PRV06	Provider Organization Code	3/3	ID	O
356												
357	4							DMG01	Date Time Period Format Qualifier	2/3	ID	X
358	4							DMG02	Dependent Birth Date	1/35	AN	X
359	4							DMG03	Dependent Gender Code	1/1	ID	O
360	4							DMG04	Marital Status Code	1/1	ID	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
361	4							DMG05	Race or Ethnicity Information			X
362	4							DMG06	Citizenship Status Code	1/2	ID	O
363	4							DMG07	Country Code	2/3	ID	O
364	4							DMG08	Basis of Verification Code	1/2	ID	O
365	4							DMG09	Quantity	1/15	R	O
366	4							DMG10	Code List Qualifier Code	1/3	ID	X
367	4							DMG11	Industry Code	1/30	AN	X
368												
369	4							INS01	Insured Indicator	1/1	ID	M
370	4							INS02	Individual Relationship Code	1/1	ID	M
371	4							INS03	Maintenance Type Code	3/3	ID	O
372	4							INS04	Maintenance Reason Code	2/3	ID	O
373	4							INS05	Benefit Status Code	1/1	ID	O
374	4							INS06	Medicare Status Code			O
375	4							INS07	COBRA Qualifying	1/2	ID	O
376	4							INS08	Employment Status Code	2/2	ID	O
377	4							INS09	Student Status Code	1/1	ID	O
378	4							INS10	Yes/No Condition or Response Code	1/1	ID	O
379	4							INS11	Date Time Period Format Qualifier	2/3	ID	X
380	4							INS12	Date Time Period	1/35	AN	X
381	4							INS13	Confidentiality Code	1/1	ID	O
382	4							INS14	City Name	2/30	AN	O
383	4							INS15	State or Province Code	2/2	ID	O
384	4							INS16	Country Code	2/3	ID	O
385	4							INS17	Birth Sequence Number	1/9	N0	O
386												
387	4							HI01	Principal Health Care Info Composite Element			M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
388	4							HI01:01	Diagnosis Type	1/3	ID	M
389	4							HI01:02	Diagnosis Code	1/30	AN	M
390	4							HI01:03	Date Time Period Format Qualifier	2/3	ID	X
391	4							HI01:04	Date Time Period	1/35	AN	X
392	4							HI01:05	Monetary Amount	1/18	R	O
393	4							HI01:06	Quantity	1/15	R	O
394	4							HI01:07	Version Identifier	1/30	AN	O
395	4							HI01:08	Industry Code	1/30	AN	X
396	4							HI01:09	Yes/No Condition or Response Code	1/1	ID	X
397	4							HI02	Additional Health Care Info Composite Element			O
398	4							HI02:01	Diagnosis Type	1/3	ID	M
399	4							HI02:02	Diagnosis Code	1/30	AN	M
400	4							HI02:03	Date Time Period Format Qualifier	2/3	ID	X
401	4							HI02:04	Date Time Period	1/35	AN	X
402	4							HI02:05	Monetary Amount	1/18	R	O
403	4							HI02:06	Quantity	1/15	R	O
404	4							HI02:07	Version Identifier	1/30	AN	O
405	4							HI02:08	Industry Code	1/30	AN	X
406	4							HI02:09	Yes/No Condition or Response Code	1/1	ID	X
407	4							HI03	Additional Health Care Info Composite Element			O
408	4							HI03:01	Diagnosis Type	1/3	ID	M
409	4							HI03:02	Diagnosis Code	1/30	AN	M
410	4							HI03:03	Date Time Period Format Qualifier	2/3	ID	X
411	4							HI03:04	Date Time Period	1/35	AN	X
412	4							HI03:05	Monetary Amount	1/18	R	O
413	4							HI03:06	Quantity	1/15	R	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
414	4							HI03:07	Version Identifier	1/30	AN	O
415	4							HI03:08	Industry Code	1/30	AN	X
416	4							HI03:09	Yes/No Condition or Response Code	1/1	ID	X
417	4							HI04	Additional Health Care Info Composite Element			O
418	4							HI04:01	Diagnosis Type	1/3	ID	M
419	4							HI04:02	Diagnosis Code	1/30	AN	M
420	4							HI04:03	Date Time Period Format Qualifier	2/3	ID	X
421	4							HI04:04	Date Time Period	1/35	AN	X
422	4							HI04:05	Monetary Amount	1/18	R	O
423	4							HI04:06	Quantity	1/15	R	O
424	4							HI04:07	Version Identifier	1/30	AN	O
425	4							HI04:08	Industry Code	1/30	AN	X
426	4							HI04:09	Yes/No Condition or Response Code	1/1	ID	X
427	4							HI05	Additional Health Care Info Composite Element			O
428	4							HI05:01	Diagnosis Type	1/3	ID	M
429	4							HI05:02	Diagnosis Code	1/30	AN	M
430	4							HI05:03	Date Time Period Format Qualifier	2/3	ID	X
431	4							HI05:04	Date Time Period	1/35	AN	X
432	4							HI05:05	Monetary Amount	1/18	R	O
433	4							HI05:06	Quantity	1/15	R	O
434	4							HI05:07	Version Identifier	1/30	AN	O
435	4							HI05:08	Industry Code	1/30	AN	X
436	4							HI05:09	Yes/No Condition or Response Code	1/1	ID	X
437	4							HI06	Additional Health Care Info Composite Element			O
438	4							HI06:01	Diagnosis Type	1/3	ID	M

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
439	4							HI06:02	Diagnosis Code	1/30	AN	M
440	4							HI06:03	Date Time Period Format Qualifier	2/3	ID	X
441	4							HI06:04	Date Time Period	1/35	AN	X
442	4							HI06:05	Monetary Amount	1/18	R	O
443	4							HI06:06	Quantity	1/15	R	O
444	4							HI06:07	Version Identifier	1/30	AN	O
445	4							HI06:08	Industry Code	1/30	AN	X
446	4							HI06:09	Yes/No Condition or Response Code	1/1	ID	X
447	4							HI07	Additional Health Care Info Composite Element			O
448	4							HI07:01	Diagnosis Type	1/3	ID	M
449	4							HI07:02	Diagnosis Code	1/30	AN	M
450	4							HI07:03	Date Time Period Format Qualifier	2/3	ID	X
451	4							HI07:04	Date Time Period	1/35	AN	X
452	4							HI07:05	Monetary Amount	1/18	R	O
453	4							HI07:06	Quantity	1/15	R	O
454	4							HI07:07	Version Identifier	1/30	AN	O
455	4							HI07:08	Industry Code	1/30	AN	X
456	4							HI07:09	Yes/No Condition or Response Code	1/1	ID	X
457	4							HI08	Additional Health Care Info Composite Element			O
458	4							HI08:01	Diagnosis Type	1/3	ID	M
459	4							HI08:02	Diagnosis Code	1/30	AN	M
460	4							HI08:03	Date Time Period Format Qualifier	2/3	ID	X
461	4							HI08:04	Date Time Period	1/35	AN	X
462	4							HI08:05	Monetary Amount	1/18	R	O
463	4							HI08:06	Quantity	1/15	R	O
464	4							HI08:07	Version Identifier	1/30	AN	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
465	4							HI08:08	Industry Code	1/30	AN	X
466	4							HI08:09	Yes/No Condition or Response Code	1/1	ID	X
467	4							HI09	Additional Health Care Info Composite Element			O
468	4							HI10	Additional Health Care Info Composite Element			O
469	4							HI11	Additional Health Care Info Composite Element			O
470	4							HI12	Additional Health Care Info Composite Element			O
471												
472	4							DTP01	Date Time Qualifier	3/3	ID	M
473	4							DTP02	Date Time Period Format Qualifier	2/3	ID	M
474	4							DTP03	Date Time Period	1/35	AN	M
475												
476	4							EQ01	Service Type Code	1/2	ID	X
477	4							EQ02	Composite Medical Procedure Identifier			X
478	4							EQ02:01	Product or Service ID Qualifier	2/2	ID	M
479	4							EQ02:02	Procedure Code	1/48	AN	M
480	4							EQ02:03	Procedure Modifier	2/2	AN	O
481	4							EQ02:04	Procedure Modifier	2/2	AN	O
482	4							EQ02:05	Procedure Modifier	2/2	AN	O
483	4							EQ02:06	Procedure Modifier	2/2	AN	O
484	4							EQ02:07	Description	1/80	AN	O
485	4							EQ02:08	Product or Service ID Qualifier	1/48	AN	O
486	4							EQ03	Coverage Level Code	3/3	ID	O
487	4							EQ04	Insurance Type Code	1/3	ID	O

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
488	4							EQ05	Composite Diagnosis Code Pointer			O
489	4							EQ05:01	Diagnosis Code Pointer	1/2	N0	M
490	4							EQ05:02	Diagnosis Code Pointer	1/2	N0	O
491	4							EQ05:03	Diagnosis Code Pointer	1/2	N0	O
492	4							EQ05:04	Diagnosis Code Pointer	1/2	N0	O
493												
494	4							III01	Code List Qualifier Code	1/3	ID	M
495	4							III02	Industry Code	1/30	AN	M
496	4							III03	Code Category	2/2	ID	O
497	4							III04	Free-form Text Message	1/264	AN	X
498	4							III05	Quantity	1/15	R	X
499	4							III06	Composite Unit of Measure			O
500	4							III07	Surface/Layer/Position Code	2/2	ID	O
501	4							III08	Surface/Layer/Position Code	2/2	ID	O
502	4							III09	Surface/Layer/Position Code	2/2	ID	O
503												
504	4							REF01	Reference Identification Qualifier	2/3	ID	M
505	4							REF02	Prior Authorization or Referral Number	1/50	AN	M
506	4							REF03	Description	1/80	AN	O
507	4							REF04	Reference Identifier			O
508												
509	4							DTP01	Date/Time Qualifier	3/3	ID	M
510	4							DTP02	Date Time Period Format Qualifier	2/3	ID	M
511	4							DTP03	Date Time Period	1/35	AN	M
512												

	A	B	C	D	E	F	G	H	I	J	K	L
1			X,4010 Standard						X,5010 Standard			
2	Ind	Segment/ Element	Element Name	Min/ Max	Type	Usage	Mapping Requirements - From X12 to xml	Segment/ Element	Element Name	Min/ Max	Type	Usage
513	1	SE01	Transaction Segment Count	1/10	N0	M		SE01	Transaction Segment Count	1/10	N0	M
514	1	SE02	Transaction Set Control Number	4/9	AN	M		SE02	Transaction Set Control Number	4/9	AN	M
515												
516	1	GE01	Number of Transaction Sets Included	1/6	N0	M		GE01	Number of Transaction Sets Included	1/6	N0	M
517	1	GE02	Group Control Number	1/9	N0	M		GE02	Group Control Number	1/9	N0	M
518												
519	1	IEA01	Number of Included Functional Groups	1/5	N0	M		IEA01	Number of Included Functional Groups	1/5	N0	M
520	1	IEA02	Interchange Control Number	9/9	N0	M		IEA02	Interchange Control Number	9/9	N0	M
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