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Accident Compensation Corporation

Integrated Home and Community Support

HCSS Reporting API

Software design specification

Version 09 Jun 2019

Statement of confidentiality

This document is for the exclusive use of Accident Compensation Corporation. The information contained is confidential.

Version history

Date	Version	Change	Author
05/04/2019	01	First draft, specifying the 2016 API as a basis for the changes requested in 2019	
11/04/2019	02	2019 requirements, first version	
16/04/2019	03	Four endpoints instead of two, which changes the document structure and numbering. Not-permitted error conditions added. Sections 5.11, 5.12, changed the minimum from 1 to 0. Review updates from ACC (using new heading numbers): <ul style="list-style-type: none"> • section 3.4, note added • section 3.8, note confirmed • section 3.9, heading updated and note changed • section 4.7, requirement confirmed • sections 5.9, 5.10, requirements confirmed. 	
02/05/2019	04	Updates: <ul style="list-style-type: none"> • '2016-03-01' corrected to '2019-03-01' throughout • standard error message for all enums, as agreed at the standup on 29 Apr 2019 • changes to date validations, to be confirmed • moved requestedStartDate to before firstContactDate • section 5, validate Allied Health dates with service completion. 	
08/05/2019	05	Updates: <ul style="list-style-type: none"> • section 3.12.1 SIP region is now 3.13; in section 5, structure changed similarly, so that conditional fields are at the top level (5.6.1 → 5.7, etc) • date validations updated throughout, as in Ref. 10: figures 1-3, tables 7-9, sections 3.4-3.8, 4.4 and 4.6, 5.4, 5.5, 5.14, 5.15, 5.18, 5.19, with the new heading numbers. 	
13/05/2019	06	Updates: <ul style="list-style-type: none"> • Corrections to region list in sections 3.13, 5.7, and 6.2.1 • Section 6.2.1 – each region is now a required property (previously a required value of the Region property) • Region statistics moved into new section 6.2.2 to better reflect structure 	
21/05/2019	07	Updates: <ul style="list-style-type: none"> • New generic validation error for when integers are outside the permitted range. • Section 3.8, and table 7 – update date validation. Service Plan Submitted date must be after First Episode of Care. • Sections 3.4, 3.6, 4.4, 5.4, 5.5, 5.14, 5.18 – removed redundant date validations. 	

Date	Version	Change	Author
28/05/2019	08	<p>Updates in response to supplier and ACC feedback:</p> <ul style="list-style-type: none"> • Removed sections 3.9, 3.10, 3.11. Section 3.12 now becomes section 3.9 (Ref. 12) • SIP added as option for sections 3.3, 4.3, and 5.3 (replacing separate isSIP fields). (Ref. 11) • Updated sections 3.9, 5.5, 5.6, 5.7, 5.8, 5.10 to be conditional on the SIP options added above. • Removed section 4.8 – How well were the short-term goals achieved? (Ref. 11) • Section 5.8 – updated wording for outcomes (Ref. 12) • Section 5.10 – change wording from ‘Client died’ to ‘Client deceased’ (Ref. 12) • Sections 5.10, 5.11 – change wording from ‘Other reason’ to ‘Other outcome’ to make the “other” option consistent with 5.8 and 5.9 (Ref. 11) • Sections 5.15, 5.19, 5.20 now capture number of consultations instead of hours (Ref. 12) 	
12/06/2019	09	<p>Additional endpoint to capture number of completed consultations at regular intervals (Ref. 13):</p> <ul style="list-style-type: none"> • Added section 5, Service consultations, as the new endpoint • Former Section 5 (Service Completion) becomes section 6, and former section 6 (Supplier Review) becomes section 7 <p>Updates in response to supplier and ACC feedback (Ref. 14):</p> <ul style="list-style-type: none"> • Removed section 6.7 (How many hours were used?) • Sections 3.9, 6.6 – accepted values have changed from a list of 9 regions, to a list of 20 aligning with district health boards • Section 7.2 – changed regions to align with DHBs. Made each region optional, with at least one region required. Moved Statistics for each region into section 7.3 • Section 7.3.1 – changed minimum value from 1 to 0 	

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1 IHCS API overview

ACC funds Integrated Home and Community Support Services (IHCS, previously called HCSS) which are intended to provide high quality, flexible services to meet the assessed needs of clients. Suppliers of these services are required to:

- accept all clients referred to them
- conduct an annual client satisfaction survey
- provide ACC with regular reviews and progress reports.

ACC evaluates the suppliers and the services they provide according to defined contract reporting and monitoring criteria. Suppliers submit reports at prescribed intervals.

1.1 Change history

1.1.1 2012 and 2016 releases

HCSS web forms were released in 2012, so that the seven suppliers with HCSS contracts could submit reports online rather than on paper.

In 2016 an API was introduced as an alternative. Ref. 4 (see page 8) notes, 'Historically, the HCSS-B2C submissions are made from the B2C Portal directly to the internal Form Submission Service exposed on the Enterprise Service Bus (ESB). The current [2016] work is to modify the endpoint to support B2B capability using the Apigee Platform.

'The HCSS form has its own XML Schema. The HCSS form remains in the eChannel database as its final resting place. Business reporting via InFact is required'.

Version 01 of this document specified the API according to the 2016 schemas and 2012 requirements.

1.1.2 Required change in 2019

New contracts apply from 01 March 2019, with new reporting requirements. The web forms will not be available after 01 June 2019, and data up to 01 March 2019 is no longer required. Suppliers have been collecting the new set of data since 01 March 2019, and are preparing their systems to use the API.

The API must now accept data for the new reports.

No mapping is involved. As at present, the API converts the data from JSON to XML for storage in the PTree database. A new materialised view must be created for this new set of data, to be used by the data extract.

Given that this release is a tactical solution, it avoids infrastructure changes, retaining the HCSS project name and the current API address. Later, an Azure release may update these names.

1.2 The API

Suppliers need an API key to submit requests to the API, in both the compliance and production environments, but they don't need to log in.

The HCSS API is unchanged, that is, the URI for each endpoint starts with

```
https://api-<compliance>.acc.co.nz/v<x>/provider/home-community-support-services
```

(for production, remove '<compliance>'; substitute the current version number for 'x').

These were the 2016 endpoints:

Endpoint	Names
POST /return-to-independence-outcomes	Return to independence outcomes
POST /maximise-independence-outcomes	Maximise independence outcomes
POST /supplier-outcome-reviews	Supplier six-monthly return

Table 1 HCSS endpoints, 2016

Suppliers are now required to provide five kinds of reports –

- for a given client:
 - on starting a service
 - at given intervals while the service continues
 - at given intervals to report on completed consultations
 - when the service has finished
- regularly, with statistics on their staff and services.

In 2019 there are five endpoints, one for each of these reports.

Endpoint	Names
POST /service/start	Service report commencement
POST /service/review	Service report review
POST /service/consultations	Integrated Services consultations
POST /service/completion	Service report completion
POST /supplier	Supplier review

Table 2 HCSS endpoints, 2019

1.3 References

This document refers to the following sources.

Document	Date
Ref. 1 ACC. eChannel Delivery : Home & Community Support Services (HCSS) – high level solution requirements	Aug 2012
Ref. 2 ACC. HCSS Form validation, version 1.6	Sep 2012
Ref. 3 ACC. https://developer.acc.co.nz/home-and-community-support-services/	2016
Ref. 4 ACC. Interim API management platform, version 0.1	Dec 2016
Ref. 5 ACC. HCSS specs [as at 25 March 2019, Reviewed but not signed]	Mar 2019
Ref. 6 ACC. HCSS High level impact assessment	Mar 2019
Ref. 7 ACC. Service schedule for Integrated Home and Community Support services	Mar 2019
Ref. 8 ACC. SFW amendments : Portal changes report 7 Dec	Mar 2019
Ref. 9 Solnet. HCSS : Validating service dates, version 03 (to be reviewed)	May 2019
Ref. 10 Email 'HCSS-date-validation-Matth-20190506.pdf'	May 2019
Ref. 11 Email 'Further IHCS API questions'	May 2019
Ref. 12 Email 'Updates on HCSS API from meeting this morning'	June 2019
Ref. 13 Email 'IHCS: Decision around consults message'	June 2019
Ref. 14 Email 'Questions from IHCS suppliers to answer/review'	June 2019

Table 3 References

1.4 Terms

Term	Notes
Allied Health Services	In this context, these services refer only to physiotherapy and occupational therapy.
episode of care	An occasion when support services are provided. The first episode of care may include the initial face-to-face assessment and discussion of needs.
first contact	A provider may contact the client before the first episode of care. If not, the first episode of care is the first contact.
SIP	Short-term Independence Package, for clients assessed as needing help with their personal care on discharge from hospital, in the short term.

Table 4 Terms and definitions

2 Standard behaviour

2.1 Input

2.1.1 Strings and numbers

The API trims leading and trailing spaces from all string input.

Integers must be entered without commas.

2.1.2 Dates

Dates are in the format YYYY-MM-DD, for instance 2019-06-23, as in <https://www.w3.org/TR/xmlschema-2/#date>.

2.2 Error messages

2.2.1 System errors

make these match the current ICS API error messages??

Error code	System error message
401	Not authorised
403	Forbidden
404	Not found
500	500 Internal server error.
502	502 Bad gateway.
503	503 Service unavailable.
504	504 Gateway timeout.

Table 5 System error codes

When a system error (error code 500) occurs, the API returns this message: 'There is an ACC system issue. Advise ACC Digital Operations on 0800 222 994 option 1. You'll need to resubmit your content later.'

2.2.2 Validation errors

In the unlikely event that invalid JSON is submitted, such as a True / False field given as [{}]
(without quote marks), the API returns an error message, 'Invalid JSON submitted.' The field
name is not given, since the error may apply to all fields from that point onwards.

In all other cases when the API returns an error message that relates to a specific field, the name
of that field is given with the error, for instance:

serviceDate. The date format is invalid; use YYYY-MM-DD.

2.2.3 Generic validation errors

The following validation error messages are returned whenever they apply:

Condition	Error message
The field is mandatory ('required'), and no value is present	This field is required.
Duplicate fields submitted*	More than one value submitted.
The value submitted is shorter than the minimum length or longer than the maximum allowed for the field	This field must be at least <minimum length> and no more than <maximum length> characters long.
The value submitted is outside the permitted range -- integer field	This value must be at least <minimum value> and no greater than <maximum value>.
Invalid format -- integer field	This value must be a whole number.
Invalid format -- alphanumeric field	This <field name> can only contain letters and numbers, no more than <maximum length> characters in all.
Invalid date format or date -- date field	The date does not exist, or the format is invalid; use YYYY-MM-DD.

Table 6 Generic error messages

* In practice this error message will not be seen, since Apigee prevents a message with duplicate fields from reaching the API.

3 Service commencement

Dates in this report are validated as shown in Figure 1 and Table 7.

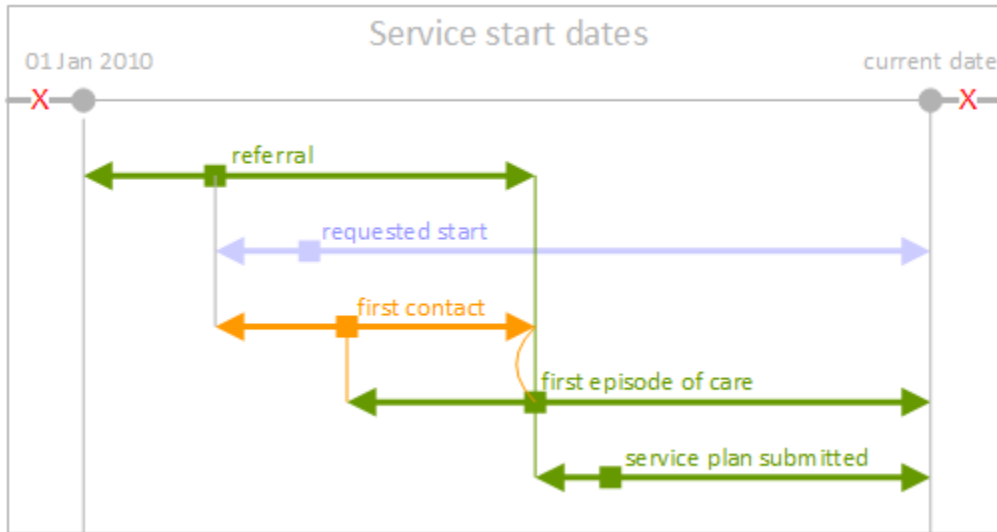


Figure 1 Service start dates

Earliest possible value	Date	Latest possible value
01 Jan 2010	Referral	first episode of care date
01 Jan 2019	requested start	current date
referral date	requested start	current date
01 Jan 2019	first contact	first episode of care date
referral date	first contact	first episode of care date
first contact date	first episode of care	current date
first episode of care	service plan submitted	current date

Table 7 Service start dates

3.1 Supplier ID

API JSON	service/start/supplierId
Required?	yes
Data type	string
Format	enum (G04338, G00059, G04327, G04317, S95581)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

3.2 Claim number

API JSON	service/start/claimNumber
Required?	yes
Data type	string
Limit	1-12 characters
Format	^[A-Z]{2}[0-9]{8}\$ ^[A-Z]{2}[0-9]{5}\$ ^[A-Z][0-9]{6}\$ ^[0-9]{8}\$ ^[A-Z][0-9]{10}\$ ^[0-9]{11}\$
Note	That is, any one of: A123456, AA12345, 1234567, 12345678901, A1234567890 where A represents an alphabetic character and each digit represents any digit.
Error condition	Message
invalid format	The claim number can only contain letters and numbers, no more than 12 characters in all.

3.3 What service was provided?

API JSON	service/start/serviceType
Required?	yes
Data type	string
Format	enum (Standard, Extended, SIP)
Note	28 May 2019 – include SIP as an option (Ref. 11)
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

3.4 When was the client referred to you?

API JSON	service/start/referralDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	01 Jan 2010 to the date of the first episode of care
Note	Although all current contracts date from 01 March 2019, longstanding suppliers may have ongoing services, from no earlier than 2010. 22 May 2019 – Removed redundant error condition for ‘Date is later than the first episode of care’ (condition covered by 3.6 and 3.7)
Error condition	Message
Date is earlier than 2010-01-01	This date can’t be earlier than 01 Jan 2010.
Date is later than the current date.	This date can’t be in the future.

3.5 What start date did the client ask for?

API JSON	service/start/requestedStartDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	From referral date or 01 Jan 2019 whichever is later to the current date.
Note	Either the date the client asked for service to start, or the date given on the referral.
Error condition	Message
Date is earlier than referralDate	This date can’t be earlier than the referral date.
Date is earlier than 2019-01-01	This date can’t be earlier than 01 Jan 2019.
Date is later than the current date.	This date can’t be in the future.

3.6 When was the client first contacted?

API JSON	service/start/firstContactDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	From referral date or 01 Jan 2019 whichever is later to the date of the first episode of care.
Note	For SIP, this should be within 4 hours of the client’s discharge. If the first contact is in person, it is the first episode of care. 21 May 2019 – Removed redundant error condition for ‘Date is later than the first episode of care’ (condition covered by 3.7)
Error condition	Message
Date is earlier than referralDate	This date can’t be earlier than the referral date.
Date is earlier than 2019-01-01	This date can’t be earlier than 01 Jan 2019.
Date is later than the current date.	This date can’t be in the future.

3.7 When was the first episode of care?

API JSON	service/start/firstEpisodeOfCareDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	First contact date to the current date
Note	For SIP, the first episode of care should be within 24 hours of the client’s discharge; otherwise within 24 hours of the start date the client requested, or the date given on the referral.
Error condition	Message
Date is earlier than firstContactDate	This date can’t be earlier than the date the client was first contacted.
Date is later than the current date	This date can’t be in the future.

3.8 When was the service plan submitted?

API JSON	service/start/servicePlanSubmittedDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	First contact date to the current date
Note	Ref. 1, Service plan must be completed within 10 days of service commencement. 21 May 2019 – Confirmed with ACC that this date must be after the first episode of care. Changed error condition from 'Date is earlier than firstContactDate' to 'Date is earlier than firstEpisodeOfCareDate' to reflect this.
Error condition	Message
Date is earlier than firstEpisodeOfCareDate	This date can't be earlier than the first episode of care.
Date is later than the current date	This date can't be in the future.

3.9 Which region referred this SIP service to you?

API JSON	service/start/sipReferralSource
Required?	Required if serviceType is SIP, otherwise not permitted
Data type	string
Format	enum ("Northland", "Waitemata", "Auckland", "Counties Manukau", "Waikato", "Bay of Plenty", "Taranaki", "Lakes", "Tairāwhiti", "Whanganui", "MidCentral", "Hawke's Bay", "Capital & Coast", "Hutt Valley", "Wairarapa", "Nelson Marlborough", "West Coast", "Canterbury", "South Canterbury", "Southern").
Note	28 May 2019 – Required when serviceType is SIP (as isSIP has been removed) 12 June 2019 – Changed regions to align with DHBs
Error condition	Message
Value not in the enum list	This value is not in the allowed list.
Value of serviceType is 'Standard' or 'Extended' and a region is selected	This field is only permitted for a SIP service.

4 Service review

Dates in this report are validated as in Figure 2 and Table 8.

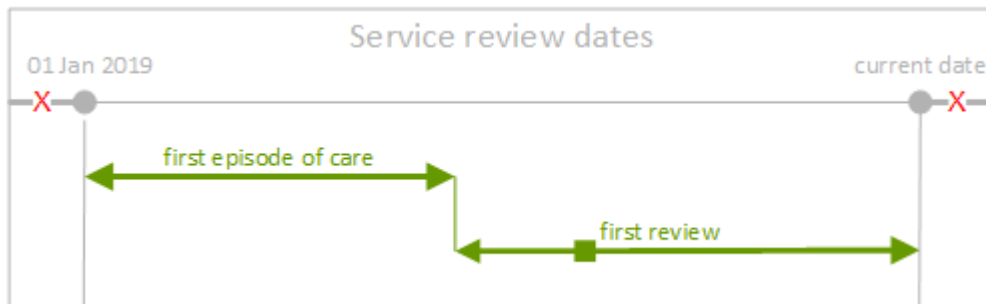


Figure 2 Service review dates

Earliest possible value	Date	Latest possible value
01 Jan 2019	first episode of care	first review date
first episode of care date	first review	current date

Table 8 Service review dates

4.1 Supplier ID

API JSON	service/review/supplierId
Required?	yes
Data type	string
Format	enum (G04338, G00059, G04327, G04317, S95581)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

4.2 Claim number

API JSON	service/review/claimNumber
Required?	yes
Data type	string
Limit	1-12 characters
Format	$^{[A-Z]\{2\}[0-9]\{8\}} ^{[A-Z]\{2\}[0-9]\{5\}} ^{[A-Z][0-9]\{6\}} ^{[0-9]\{8\}} ^{[A-Z][0-9]\{10\}} ^{[0-9]\{11\}}$
Note	That is, any one of: A123456, AA12345, 1234567, 12345678901, A1234567890 where A represents an alphabetic character and each digit represents any digit.
Error condition	Message
invalid format	The claim number can only contain letters and numbers, no more than 12 characters in all.

4.3 What service was provided?

API JSON	service/review/serviceType
Required?	yes
Data type	string
Format	enum (Standard, Extended, SIP)
Note	28 May 2019 – include SIP as an option
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

4.4 When was the first episode of care?

API JSON	service/review/firstEpisodeOfCareDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	01 Jan 2019 to the review date
Note	See Ref. 10. For SIP, the first episode of care should be within 24 hours of the client's discharge; otherwise within 24 hours of the start date the client requested, or the date given on the referral. 21 May 2019 – Removed redundant error condition for 'Date is later than the review date' (condition covered by 4.6)
Error condition	Message
Date is earlier than 2019-01-01	This date can't be earlier than 01 Jan 2019.
Date is later than the current date	This date can't be in the future.

4.5 Is this the first or a later review for this service?

API JSON	service/review/reviewType
Required?	yes
Data type	string
Format	enum (First review, Subsequent review)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

4.6 When was the review held?

API JSON	service/review/reviewDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	First episode of care to the current date
Note	ideally, verify that a subsequent review date is later than the first review date, but the API doesn't have both dates to compare.
Error condition	Message
This date is earlier than firstEpisodeOfCareDate	A review can't be before the first episode of care.
Date is later than the current date	This date can't be in the future.

4.7 Does this service result from a transition?

API JSON	service/review/transitionFrom
Required?	yes
Data type	string
Format	enum (No transition, SIP to standard, SIP to extended, Standard to extended)
Note	ACC review 16 Apr 2019: requirement confirmed
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

5 Service consultations

5.1 Supplier ID

API JSON	service/consultations/supplierId
Required?	yes
Data type	string
Format	enum (G04338, G00059, G04327, G04317, S95581)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

5.2 Claim number

API JSON	service/consultations/claimNumber
Required?	yes
Data type	string
Limit	1-12 characters
Format	^[A-Z]{2}[0-9]{8}\$ ^[A-Z]{2}[0-9]{5}\$ ^[A-Z][0-9]{6}\$ ^[0-9]{8}\$ ^[A-Z][0-9]{10}\$ ^[0-9]{11}\$
Note	That is, any one of: A123456, AA12345, 1234567, 12345678901, A1234567890 where A represents an alphabetic character and each digit represents any digit.
Error condition	Message
invalid format	The claim number can only contain letters and numbers, no more than 12 characters in all.

5.3 What service was provided?

API JSON	service/consultations/serviceType
Required?	yes
Data type	string
Format	enum (Standard, Extended, SIP)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

5.4 How many nursing consultations were completed?

API JSON	service/consultations/nursingConsultations
Required?	yes
Data type	integer
Range	0-9999
Note	

5.5 How many physiotherapy consultations were completed?

API JSON	service/consultations/physioConsultations
Required?	yes
Data type	integer
Range	0-9999
Note	

5.6 How many occupational therapy consultations were completed?

API JSON	service/consultations/occTherapyConsultations
Required?	yes
Data type	integer
Range	0-9999
Note	

6 Service completion

Dates in this report are validated as in Figure 3 and Table 9.

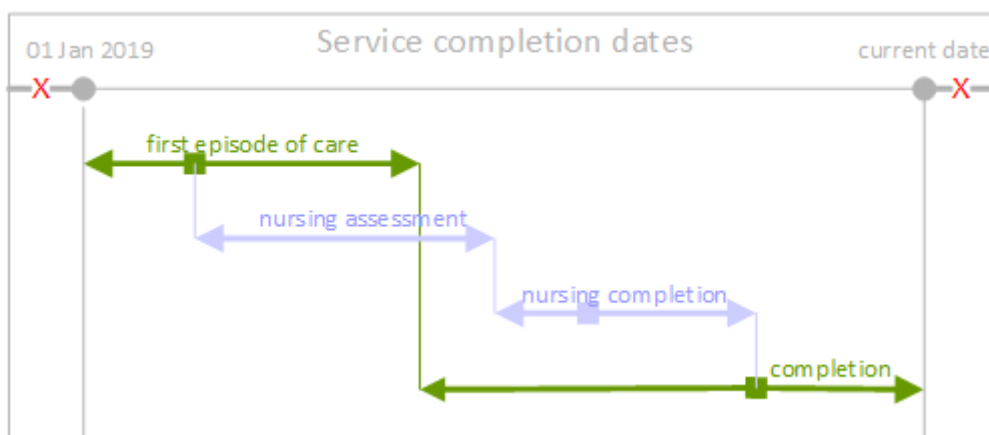


Figure 3 Service completion dates

Earliest possible value	Date	Latest possible value
01 Jan 2019	first episode of care	completion date
first episode of care	nursing assessment	nursing completion date
nursing assessment date	nursing completion	completion date
nursing completion date	completion	current date
first episode of care date	Allied Health start	Allied Health completion date
Allied Health start date	Allied Health completion	completion date
Allied Health completion date	completion	current date
first episode of care date	completion	current date

Table 9 Service completion dates

Allied Health support dates are not shown in Figure 3, but follow the same pattern as nursing support. Nursing and Allied Health support are both optional, and may both be included.

6.1 Supplier ID

API JSON	service/completion/supplierId
Required?	yes
Data type	string
Format	enum (G04338, G00059, G04327, G04317, S95581)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

6.2 Claim number

API JSON	service/completion/claimNumber
Required?	yes
Data type	string
Limit	1-12 characters
Format	^[A-Z]{2}[0-9]{8}\$ ^[A-Z]{2}[0-9]{5}\$ ^[A-Z][0-9]{6}\$ ^[0-9]{8}\$ ^[A-Z][0-9]{10}\$ ^[0-9]{11}\$
Note	That is, any one of: A123456, AA12345, 1234567, 12345678901, A1234567890 where A represents an alphabetic character and each digit represents any digit.
Error condition	Message
invalid format	The claim number can only contain letters and numbers, no more than 12 characters in all.

6.3 What service was provided?

API JSON	service/completion/serviceType
Required?	yes
Data type	string
Format	enum (Standard, Extended, SIP)
Note	28 May 2019 – include SIP as an option (Ref. 11)
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

6.4 When was the first episode of care?

API JSON	service/completion/firstEpisodeOfCareDate
Required?	yes
Data type	date
Format	yyyy-mm-dd
Range	01 Jan 2019 to the completion date
Note	<p>For SIP, the first episode of care should be within 24 hours of the client's discharge; otherwise within 24 hours of the start date the client requested, or the date given on the referral.</p> <p>21 May 2019 – Removed redundant error condition for 'Date is later than the completion date' (condition covered by 5.5)</p>
Error condition	Message
Date is earlier than 2019-01-01	This date can't be earlier than 01 Jan 2019.
Date is later than the current date	This date can't be in the future.

6.5 When was the service completed?

API JSON	service/completion/completionDate
Required?	Required if serviceType is Standard or SIP, otherwise not permitted
Data type	date
Format	yyyy-mm-dd
Range	Date of the first episode of care to the current date
Note	<p>21 May 2019 – Removed redundant error conditions for 'Nursing is included, and this date is earlier than the nursing completion date' and 'Allied Health support is included, and this date is earlier than the Allied Health support completion date' (conditions covered by 5.15 and 5.19)</p> <p>28 May 2019 – required if serviceType is SIP</p>
Error condition	Message
Date is earlier than firstEpisodeOfCareDate	This date can't be earlier than the first episode of care.
Date is later than the current date	This date can't be in the future.
Service type is 'Extended' and this date is present	This value is not permitted for extended service.

6.6 Which region referred this SIP service to you?

API JSON	service/completion/sipReferralSource
Required?	Required if serviceType is SIP, otherwise not permitted
Data type	string
Format	enum ("Northland", "Waitemata", "Auckland", "Counties Manukau", "Waikato", "Bay of Plenty", "Taranaki", "Lakes", "Tairāwhiti", "Whanganui", "MidCentral", "Hawke's Bay", "Capital & Coast", "Hutt Valley", "Wairarapa", "Nelson Marlborough", "West Coast", "Canterbury", "South Canterbury", "Southern").
Note	28 May 2019 – Required when serviceType is SIP (as isSIP has been removed) 12 June 2019 – Changed regions to align with DHBs
Error condition	Message
Value not in the enum list	This value is not in the allowed list.
Value of serviceType is 'Standard' or 'Extended' and a region is selected	This field is only permitted for a SIP service.

6.7 What was the outcome of the standard service?

API JSON	service/completion/standardServiceOutcome
Required?	Required if serviceType is Standard or SIP, otherwise not permitted
Data type	string
Format	enum(Full independence achieved, Partial independence achieved, Transferred to another supplier, Transferred to another service funded by ACC, Transferred to another service not funded by ACC, Client deceased, Other outcome)
Note	28 May 2019 – required if serviceType is SIP 4 June 2019 – update wording for outcomes (Ref. 12)
Error condition	Message
Value not in the enum list	This value is not in the allowed list.
Service type is 'Extended' and this value is present	This value is not permitted for Extended service.

6.8 What was the other outcome?

API JSON	service/completion/standardServiceOtherOutcome
Required?	Required if standardServiceOutcome is 'Other outcome', otherwise not permitted
Data type	string
Limit	255 characters
Note	21 May 2019 – value 'Other' corrected to 'Other outcome' in error condition and message.
Error condition	Message
'standardServiceOutcome' is not 'Other outcome' and this value is present	This value is only permitted when the service outcome is 'Other outcome'.

6.9 Why was the extended service ended?

API JSON	service/completion/extendedServiceExitReason
Required?	Required if serviceType is Extended, otherwise not permitted
Data type	string
Format	enum(Support no longer needed, Transferred to another supplier, Transferred to another service funded by ACC, Transferred to another service not funded by ACC, Client deceased, Other outcome)
Note	28 May 2019 – not permitted if serviceType is SIP, change 'Other reason' to 'Other outcome' in response to feedback (Ref. 11) 6 June 2019 – change 'Client died' to 'Client deceased' (Ref. 12)
Error condition	Message
Value not in the enum list	This value is not in the allowed list.
Service type is 'Standard' or 'SIP' and this value is present	This value is not permitted for Standard or SIP service.

6.10 What was the other reason?

API JSON	service/completion/extendedServiceExitOtherReason
Required?	Required if extendedServiceExitReason is 'Other outcome', otherwise not permitted
Data type	string
Limit	255 characters
Note	28 May 2019 – change wording to 'Other outcome' to match changes to 5.11
Error condition	Message
'extendedServiceExitReason' is not 'Other outcome' and this value is present	This value is only permitted when the exit reason is 'Other outcome'.

6.11 Did the service include nursing support?

API JSON	service/completion/nursingIncluded
Required?	yes
Data type	string
Format	enum (No, Yes)
Note	ACC review 16 Apr 2019: requirement confirmed
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

6.12 When did the nursing assessment take place?

API JSON	service/completion/nursingAssessmentDate
Required?	Required if nursingIncluded is Yes, otherwise not permitted
Data type	date
Format	yyyy-mm-dd
Range	Date of the first episode of care to the nursing completion date
Note	21 May 2019 – Removed redundant error condition for ‘Date is later than the nursing completion date’ (condition covered by 5.15)
Error condition	Message
Date is earlier than firstEpisodeOfCareDate	This date can’t be earlier than the first episode of care.
Date is later than the service completion date	This date can’t be later than the service completion date.
Date is later than the current date	This date can’t be in the future.
Nursing is not included, and this value is present	This value is only permitted when nursing is included.

6.13 When was the nursing support completed?

API JSON	service/completion/nursingCompletionDate
Required?	Required if nursingIncluded is Yes, otherwise not permitted
Data type	date
Format	yyyy-mm-dd
Range	Nursing assessment date to the service completion date
Note	
Error condition	Message
Date is earlier than nursingAssessmentDate	This date can’t be earlier than the nursing assessment date.
Date is later than the service completion date	This date can’t be later than the service completion date.
Date is later than the current date	This date can’t be in the future.
Nursing is not included, and this value is present	This value is only permitted when nursing is included.

6.14 Total nursing consultations

API JSON	service/completion/nursingConsultations
Required?	Required if nursingIncluded is Yes, otherwise not permitted
Data type	integer
Range	1-9999
Note	6 June 2019 – change hours to consultations (Ref. 12)
Error condition	Message
Nursing is not included, and this value is present	This value is only permitted when nursing is included.

6.15 Did the service include Allied Health support?

API JSON	service/completion/AlliedHealthIncluded
Required?	yes
Data type	string
Format	enum (No, Yes)
Note	ACC review 16 Apr 2019: requirement confirmed
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

6.16 When did Allied Health support start?

API JSON	service/completion/AlliedHealthStartDate
Required?	Required if AlliedHealthIncluded is Yes, otherwise not permitted
Data type	date
Format	yyyy-mm-dd
Range	Date of the first episode of care to the Allied Health support completion date
Note	21 May 2019 – Removed redundant error condition for ‘Date is later than the Allied Health support completion date’ (condition covered by 5.19)
Error condition	Message
Date is earlier than firstEpisodeOfCareDate	This date can’t be earlier than the first episode of care.
Date is later than the service completion date	This date can’t be later than the service completion date.
Date is later than the current date	This date can’t be in the future.
Allied Health care is not included, and this value is present.	This value is only permitted when Allied Health support is included.

6.17 When was the Allied Health support completed?

API JSON	service/completion/AlliedHealthCompletionDate
Required?	Required if AlliedHealthIncluded is Yes, otherwise not permitted
Data type	date
Format	yyyy-mm-dd
Range	Allied Health start date to the service completion date
Note	
Error condition	Message
Date is earlier than AlliedHealthStartDate	This date can’t be earlier than the Allied Health start date.
Date is later than the service completion date	This date can’t be later than the service completion date.
Date is later than the current date	This date can’t be in the future.
Allied Health care is not included, and this value is present.	This value is only permitted when Allied Health support is included.

6.18 Total direct physiotherapy consultations

API JSON	service/completion/physioConsultations
Required?	yes
Data type	integer
Range	0-9999
Note	6 June 2019 – change hours to consultations (Ref. 12)

6.19 Total direct occupational therapy consultations

API JSON	service/completion/occTherapyConsultations
Required?	yes
Data type	integer
Range	0-9999
Note	6 June 2019 – change hours to consultations (Ref. 12)

7 Supplier review

7.1 Supplier ID

API JSON	supplier/supplierId
Required?	yes
Data type	string
Format	enum (G04338, G00059, G04327, G04317, S95581)
Note	
Error condition	Message
Value not in the enum list	This value is not in the allowed list.

7.2 Region

Each region is optional as suppliers may not service every region. However, the API requires at least one region to be provided.

E.g. a supplier who only operates in the Greater Wellington Region might provide the properties:

Capital and Coast

Hutt Valley

Wairarapa

All other regions (which they do not operate in) can be omitted.

API JSON	supplier/<region>
Required?	At least one region is required
Data type	string
Properties	<ul style="list-style-type: none"> • Northland • Waitemata • Auckland • Counties Manukau • Waikato • Bay of Plenty • Taranaki • Lakes • Tairāwhiti • Whanganui • MidCentral • Hawke’s Bay • Capital & Coast • Hutt Valley • Wairarapa • Nelson Marlborough • West Coast • Canterbury • South Canterbury • Southern
Note	12 June 2019 – Changed regions to align with DHBs. Changed each region to optional.
Error condition	Message
No regions have been provided	At least one region is required.

7.3 Statistics for each region

The below values are required for each region provided in 7.2. They are not required for any regions omitted in section 7.2.

section 7.3.1	total number of staff employed
section 7.3.2	number of staff in training
section 7.3.3	number of support staff level 2
section 7.3.4	number of support staff level 3
section 7.3.5	number of support staff level 4
section 7.3.6	number of nurses employed
section 7.3.7	number of physiotherapists employed
section 7.3.8	number of occupational therapists employed
section 7.3.9	number of family or nominated carers
section 7.3.10	number of referrals declined
section 7.3.11	total number of service hours delivered
section 7.3.12	total number of service hours not delivered.

7.3.1 Total number of staff employed

API JSON	supplier/<region>/totalStaffEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	12 June 2019 – change minimum value to 0

7.3.2 Number of staff in training or working to qualifications

API JSON	supplier/<region>/totalStaffInTraining
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.3 Number of support staff qualified to level 2

API JSON	supplier/<region>/level2StaffEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.4 Number of support staff qualified to level 3

API JSON	supplier/<region>/level3StaffEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.5 Number of support staff qualified to level 4

API JSON	supplier/<region>/level4StaffEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.6 Total number of nurses employed

API JSON	supplier/<region>/nursesEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.7 Total number of physiotherapists employed

API JSON	supplier/<region>/physiotherapistsEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.8 Total number of occupational therapists employed

API JSON	supplier/<region>/occTherapistsEmployed
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.9 Total number of family or nominated carers

API JSON	supplier/<region>/familyOrNominatedCarers
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.10 Number of referrals declined

API JSON	supplier/<region>/referralsDeclined
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.11 Total number of service hours delivered

API JSON	supplier/<region>/serviceHoursDelivered
Required?	Yes
Data type	integer
Range	0-9999
Note	

7.3.12 Total number of service hours not delivered

API JSON	supplier/<region>/serviceHoursNotDelivered
Required?	Yes
Data type	integer
Range	0-9999
Note	Include hours of service not delivered because of supplier error, client error, or request.
