



HANK Claim Maker

JSON Export Specification

Introduction	1
JSON Schema Export	1
HOW TO traverse the Claim entities to recreate the claim	6
Example of Export with Values	7

Introduction

This document provides details of the json schema for ClaimMaker export.

JSON Schema Export

see [Example with values below \(click here\)](#)

```
"https://claimmaker.hank.ai/app/code/batch/123/job/456": {  \\ the object key is a URL
targeting the case, updated 2026-04-13 SEH
  "ICD10s": "", // comma delimited list of unique ICD10 codes assigned across all line
items in order of appearance, updated 2026-04-13 SEH
  "batch_id": <int>, // batch id in Claim Maker
  "box_19": "", // comma delimited list of 'box 19' values from all line items in order
of appearance, updated 2026-04-13 SEH
  "claim": [ //array of multiple claims/"line items". see Example (click here)
    {
      "box19": "",
      "customField1": "", // moved to proper location 2026-04-13 SEH
      "customField2": "", // moved to proper location 2026-04-13 SEH
      "customField3": "", // moved to proper location 2026-04-13 SEH
      "customField4": "", // moved to proper location 2026-04-13 SEH
      "customField5": "", // moved to proper location 2026-04-13 SEH
      // BEGIN: If and only if Additional Times are enabled for your org
      "startTime": "YYYY-MM-DD HH:MM", // line item specific start time linked from
Additional Times or empty string
      "endTime": "YYYY-MM-DD HH:MM", // line item specific end time linked from
Additional Times or empty string
      // END: If and only if Additional Times are enabled for your org
      "entities": [ // single entity represents a single line item [combination of
CPT/ASA/ICD(s)/Modifier(s)/Practitioner]
```

```

    {
      "code": "12345", //string. the value for this entity
      "order": 0, //int. the order of the value in the 'type' group
      "type": "SurgCPT", //string. examples:
SurgCPT/AnesCPT/ICD10/Modifier/Practitioner/PractitionerNPI
      "unitValue": 0, //int. the ASA base unit value. only applies to
type=='AnesCPT'
    },
    ...
  ],
  // added "entitiesGrouped" representation 2026-04-13 SEH
  "entitiesGrouped": { // a pivoted by type representation of "entities". all
fields are array type, but only some are allowed multiple entries (as indicated below)
  // BEGIN: If and only if Additional Times are enabled for your org
  "startTime": [ // line item specific start time linked from Additional Times
    "YYYY-MM-DD HH:MM" // SINGLE ENTRY array: empty string or linked time
  ],
  "endTime": [ // line item specific end time linked from Additional Times
    "YYYY-MM-DD HH:MM" // SINGLE ENTRY array: empty string or linked time
  ],
  // END: If and only if Additional Times are enabled for your org
  "AnesCPT": [ // SINGLE ENTRY array: empty string or anesthesia CPT Code
    ""
  ],
  "ICD10": [ // MULTI-ENTRY array: list of ICDs for the line item in order of
assignment. empty string will appear only when the case was not coded at all.
    ""
  ],
  "Modifier": [ // MULTI-ENTRY array: list of modifiers for the line item in
order of assignment. contains an empty string when no modifiers are present.
    ""
  ],
  "Practitioner": [ // SINGLE ENTRY array: empty string or name of provider added
to the line item
    ""
  ],
  "PractitionerNPI": [ // SINGLE ENTRY array: empty string or NPI of provider
added to line item (if assigned)
    ""
  ],
  "SurgCPT": [ // SINGLE ENTRY array: procedure / qualifying circumstances CPT
Code. empty string will appear only when the case was not coded at all.
    ""
  ],

```

```

    "box_19": [ // SINGLE ENTRY array: empty string or 'box 19' comment from the
coder for this line item (see top level 'box_19' key for aggregate value).
        ""
    ]
},
"order": 1, //int. order represents order of the line item in the claim from 1 to
N
},
...
],
"created_date": "2023-01-18", //YYYY-MM-DD
"customField1": "", // moved to proper location 2026-04-13 SEH
"customField2": "", // moved to proper location 2026-04-13 SEH
"customField3": "", // moved to proper location 2026-04-13 SEH
"customField4": "", // moved to proper location 2026-04-13 SEH
"customField5": "", // moved to proper location 2026-04-13 SEH
... // additional customField6→customFieldN if defined for client, 2026-04-13 SEH
"date_of_service": "2023-01-17", //YYYY-MM-DD
"display_name": "", // facility name as it is displayed in the ClaimMaker UI (can
contain spaces), added 2026-04-13 SEH
"documentIds": [ // added 2026-04-13 SEH
    "bucket:s3/sftp/path/to_first.pdf",
    "bucket:s3/sftp/path/to_second.pdf",
    ... // additional documents if present
],
"id": <int>, // ClaimMaker Case ID
"job_id": <int>, // same as "id", added 2026-04-13 SEH
"meta": {
    "refURL": "https://claimmaker.hank.ai/app/code/batch/123/job/456", //direct url to
open the case in HANK Claim Maker, not present in output. the json object key is the URL
    2026-04-13 SEH
    "created": "2023-01-18 10:00:40", //YYYY-MM-DD HH:MM:SS. datetime case was created
in Claim Maker
    "entireTimeSpent": 62,
    "hasDemographics": false, // were demographics loaded from a discrete reference
e.g. a CSV? description added 2026-04-13 SEH
    "isDataEntered": false, // did ClaimMaker user mark case as 'data entered'?
description added 2026-04-13 SEH
    "isManuallyCreated": false,
    "lastUpdated": "2023-01-21 20:00", //YYYY-MM-DD HH:MM:SS. datetime case was last
modified in HANK Claim Maker
    "lastUpdatedExport": "",
    "schemaVersion": "2.0.3",
    "source": "extractor",
    "timeSpent": 36

```

```

},
"note": "", // newline delimited list of ClaimMaker user notes/comments.
"patient_full_name": "", //patient full name
"patient_info": {
  "guarantor": {
    "address": { //Example below
      "city": "",
      "state": "",
      "street1": "",
      "street2": "",
      "zip": ""
    },
    "dob": "1986-06-04", //date of birth of guarantor. timestamp. YYYY-MM-DD
    "email": "",
    "employer": {
      "address": {
        "city": "",
        "state": "",
        "street1": "",
        "street2": "",
        "zip": ""
      },
      "name": "",
      "phone": ""
    },
    "first": "",
    "fullName": "",
    "homePhone": "",
    "language": "",
    "last": "",
    "maritalStatus": "",
    "middle": "",
    "mobilePhone": "",
    "relationship": "",
    "sex": "",
    "ssn": "",
    "suffix": "", // name suffix e.g. JR/SR/etc, updated 2026-04-13 SEH
    "workPhone": ""
  },
  "insurance": [ //list of insurance plans for the patient, in order, from primary
through N
  {
    "insuranceID": "XXXXXXXXXXXXXXXX",
    "address": {
      "city": "",

```

```
    "state": "",
    "street1": "",
    "street2": "",
    "zip": ""
  },
  "authorizationNumber": "",
  "company": "",
  "facilityPlanId": "", // plan code from emr, updated 2026-04-16 SEH
  "groupId": "",
  "insuranceID": "", // mapping code assigned via UI or auto generated from
address/plan, updated 2026-04-16 SEH
  "phone": "",
  "plan": "",
  "policyId": "",
  "subscriber": {
    "address": {
      "city": "",
      "state": "",
      "street1": "",
      "street2": "",
      "zip": ""
    },
    "dob": "",
    "email": "",
    "employer": {
      "address": {
        "city": "",
        "state": "",
        "street1": "",
        "street2": "",
        "zip": ""
      },
      "name": "",
      "phone": ""
    },
    "first": "",
    "fullName": "",
    "homePhone": "",
    "language": "",
    "last": "",
    "maritalStatus": "",
    "middle": "",
    "mobilePhone": "",
    "relationship": "",
    "sex": "",
```

```

        "ssn": "",
        "suffix": "", // name suffix e.g. JR/SR/etc, updated 2026-04-13 SEH
        "workPhone": ""
    }
}
],
"patient": {
    "accn": "",
    "address": {
        "city": "",
        "state": "",
        "street1": "",
        "street2": "",
        "zip": ""
    },
    "dob": "", //YYYY-MM-DD. patient's date of birth
    "email": "",
    "employer": {
        "address": {
            "city": "",
            "state": "",
            "street1": "",
            "street2": "",
            "zip": ""
        },
        "name": "",
        "phone": ""
    },
    "encn": "",
    "first": "",
    "fullName": "",
    "homePhone": "",
    "language": "",
    "last": "",
    "maritalStatus": "",
    "middle": "",
    "mobilePhone": "",
    "mrn": "",
    "primaryCareProvider": "",
    "relationship": "",
    "sex": "",
    "ssn": "",
    "suffix": "", // name suffix e.g. JR/SR/etc, updated 2026-04-13 SEH
    "workPhone": ""
}

```

```

    },
    "provider_correlation_id": "", // SFTP path to schedule associated with this case if
applicable, description updated 2026-04-13 SEH
    "provider_facility": "FACILITY", //string. internal name of the facility where this
encounter occurred. same as display_name with spaces replaced with underscores,
description updated 2026-04-13 SEH
    "schedule": {
        "admitDate": "", //YYYY-MM-DD. date of admission to facility
        // BEGIN: If and only if Additional Times are enabled for your org
        "additionalTimes": [ // list of dicts of additional time intervals to associate with
this case. Can be linked to specific line items in the claims array.
            {
                "order": <int>,
                "startTime": "YYYY-MM-DD HH:MM",
                "endTime": "YYYY-MM-DD HH:MM"
            }
        ],
        // END: If and only if Additional Times are enabled for your org
        "anType": "General", //string. primary anesthesia type. General/MAC/Spinal/etc
        "anesthesiaStaff": [ //list of dicts of providers for the encounter. includes their
role, name, start time, end time, and a flag for whether they were marked as the primary
provider for the case or not
            {
                "endTime": "",// <YYYY-MM-DD> HH:MM. date is included if and only if clearly
indicated by documentation. MAY CONTAIN ONLY HH:MM. provider end time as appears on
document, format updated to include date 2026-04-13 SEH
                "isResponsibleProvider": true, //boolean. true/false. was this provider marked
as the provider responsible for the case
                "provider": "", //string. provider name
                "providerNPI": "XXXXXXX",
                "role": "", //string. holds providers role, such as CRNA, SUPERVISING, MD, etc
                "startTime": "" // YYYY-MM-DD HH:MM. provider start time as appears on document,
format updated 2026-04-13 SEH
            }
        ],
        "asa": "", //string. ASA classification 1 through 6
        "class": "", // aka admission status (inpatient/outpatient/ambulatory surgery/etc),
description updated 2026-04-13 SEH
        "diagnosis": "", //string. short diagnosis description provided as rationale for
surgical procedure
        "difficultIntubation": true, //boolean. true/false,
        "dischargeDate": "", //YYYY-MM-DD. date of discharge from facility
        "emergent": false, //boolean. true/false,

```

```

    "endTime": "", // <YYYY-MM-DD> HH:MM. date is included if and only if clearly
indicated by documentation. MAY CONTAIN ONLY HH:MM. anesthesia end time as appears on
document, format updated 2026-04-13 SEH
    "procedure": "", //string. short surgical description
    "recSigned": true, //boolean. was the medical record signed by a provider.
true/false,
    "room": "", //string. OR location room
    "startTime": "", // YYYY-MM-DD HH:MM. anesthesia start time as appears on document,
format updated 2026-04-13 SEH
    "surgeon": "" //string. surgeon name
    "surgeonNPI": "XXXXXXXX"
},
"state": "", // ClaimMaker Case State, description updated 2026-04-13 SEH
"status": "", // ClaimMaker Case Status/State Reason, description updated 2026-04-13
SEH
},
//FUTURE CONSIDERATIONS [NOT SUPPORTED] - Case Documentation
"input": {
    "entities_metadata": [
        {
            "text": "...", //Will contain text unless documentId is present which is located
on S3
            "textLength": <int>, //size of text
            "noteType": "AnesProcNotes/AnesIntraop/AnesPostEval/AnesPreEval/BillingDetails"
            "inputType": "json",
            "documentId": "", //if not json, then will be pointing to s3 identifier
            "noteHeader": "", //type of note
            "inputSource": "extractor", //Internal use only
            "userAttached": false, //internal use only
            "lastModifiedTime": "" //string represents timestamp
        },
        ...
    ],
    "documentId": "", //document home location
    "dateDemographics": "" //string represents timestamp
}
}

```

HOW TO traverse the Claim entities to recreate the claim

1. Iterate over the “claim” list to get a list of line item dictionaries
 - a. Sort the list of line item dictionaries by value in the line item “order” key, ascending
 - b. Iterate over the line item dictionaries
 - i. Iterate over the entities and group them by “type” (SurgCPT, AnesCPT, ...)
 - ii. Sort each group by the value in the entities “order” key, ascending

Last updated October 2023

iii. Extract the “code” value for each entity

After doing the above, you’ll have a list of line items that hold lists of the SurgCPT, AnesCPT, ICD10, Modifiers, and Practitioner with the values for each in order

Example of Export with Values

```
{
  "3894_513244_FACILITY_2023-01-17_MARTEL, BEATRICE A": {
    "batch_id": 3894,
    "documentIds": [
      "hank-ai-clients:client.com/facility/processed/AnesIntraop_fj3489f.pdf",
      "hank-ai-clients:client.com/facility/processed/MARTEL, B_01-17-2023.pdf",
      "hank-ai-clients:client.com/facility/processed/MARTEL, B_facesheet.pdf"
    ],
    "claim": [
      {
        "box19": "",
        "customField1": "1723703735",
        "customField2": "XX404, 4256F, XX430, G2149",
        "customField3": "",
        "customField4": "",
        "customField5": "",
        "entities": [
          {
            "code": "29880",
            "order": 0,
            "type": "SurgCPT",
            "unitValue": 0
          },
          {
            "code": "01400",
            "order": 0,
            "type": "AnesCPT",
            "unitValue": 4
          },
          {
            "code": "S83.242A",
            "order": 0,
            "type": "ICD10",
            "unitValue": 0
          },
          {
            "code": "I50.1",
            "order": 1,
            "type": "ICD10",
            "unitValue": 0
          },
          {
            "code": "59",
```

```

        "order": 0,
        "type": "Modifier",
        "unitValue": 0
    },
    {
        "code": "Jim Smith, MD",
        "order": 0,
        "type": "Practitioner",
        "unitValue": 0
    },
    {
        "code": "XXXXXX",
        "order": 0,
        "type": "PractitionerNPI",
        "unitValue": 0
    }
],
"order": 1
}
],
"created_date": "2023-01-18",
"date_of_service": "2023-01-17",
"id": 513244,
"meta": {
    "created": "2023-01-18 10:00:40",
    "entireTimeSpent": 62,
    "hasDemographics": false,
    "isDataEntered": false,
    "isManuallyCreated": false,
    "lastUpdated": "2023-01-21 20:00",
    "lastUpdatedExport": "",
    "schemaVersion": "2.0.3",
    "source": "extractor",
    "timeSpent": 36
},
"note": "",
"patient_full_name": "MARTEL, BEATRICE A",
"patient_info": {
    "guarantor": {
        "address": {
            "city": "BRANSON",
            "state": "WA",
            "street1": "51 BEAUREMONT DR",
            "street2": "",
            "zip": "67891"
        }
    }
}

```

```

    },
    "dob": "1986-06-04",
    "email": "beatriceemail@email.com",
    "employer": {
      "address": {
        "city": "BRANSON",
        "state": "WA",
        "street1": "ONE MEDICAL CENTER DRIVE",
        "street2": "",
        "zip": "29876"
      },
      "name": "SAMPLE MEMORIAL HOSPITAL",
      "phone": "+1 555-650-5000"
    },
    "first": "BEATRICE",
    "fullName": "MARTEL, BEATRICE A",
    "homePhone": "",
    "language": "",
    "last": "MARTEL",
    "maritalStatus": "SINGLE",
    "middle": "A",
    "mobilePhone": "+1 555-359-7465",
    "relationship": "SELF",
    "sex": "F",
    "ssn": "XXX-XX-9999",
    "workPhone": ""
  },
  "insurance": [
    {
      "insuranceID": "XXXXXXXXXXXXXXXX",
      "address": {
        "city": "LONDON",
        "state": "KY",
        "street1": "ATTN: CLAIMS PROCESSING DEPT PO BOX 7387",
        "street2": "",
        "zip": "40742-7387"
      },
      "authorizationNumber": "",
      "company": "AMERIHEALTH CARITAS MANAGED\\nMEDICAID",
      "groupId": "",
      "phone": "+1 888-599-1479",
      "plan": "AMERIHEALTH CARITAS NH",
      "policyId": "98765678",
      "subscriber": {
        "address": {

```

```

        "city": "",
        "state": "",
        "street1": "",
        "street2": "",
        "zip": ""
    },
    "dob": "1986-06-04",
    "email": "",
    "employer": {
        "address": {
            "city": "",
            "state": "",
            "street1": "",
            "street2": "",
            "zip": ""
        },
        "name": "",
        "phone": ""
    },
    "first": "BEATRICE",
    "fullName": "MARTEL, BEATRICE A",
    "homePhone": "",
    "language": "",
    "last": "MARTEL",
    "maritalStatus": "",
    "middle": "A",
    "mobilePhone": "",
    "relationship": "SELF",
    "sex": "",
    "ssn": "",
    "workPhone": ""
}
]
"patient": {
    "accn": "",
    "address": {
        "city": "BRANSON",
        "state": "WA",
        "street1": "51 BEAUREMONT DR",
        "street2": "",
        "zip": "67891"
    },
    "dob": "1986-06-04",
    "email": "beatriceemail@email.com",

```

```

    "employer": {
      "address": {
        "city": "BRANSON",
        "state": "WA",
        "street1": "ONE MEDICAL CENTER DRIVE",
        "street2": "",
        "zip": "29876"
      },
      "name": "MEMORIAL HOSPITAL",
      "phone": "+1 555-650-5000"
    },
    "encn": "",
    "first": "BEATRICE",
    "fullName": "MARTEL, BEATRICE A",
    "homePhone": "",
    "language": "",
    "last": "MARTEL",
    "maritalStatus": "SINGLE",
    "middle": "A",
    "mobilePhone": "+1 555-359-7465",
    "mrn": "98756987",
    "primaryCareProvider": "BRANSON FAMILY PRACTICE 555-448-3122",
    "relationship": "SELF",
    "sex": "F",
    "ssn": "XXX-XX-9999",
    "workPhone": ""
  }
},
  "provider_correlation_id":
"bank-ai-clients:bluelakesolutions.com/facility/processed/DailyCases20230117.csv",
  "provider_facility": "FACILITY",
  "schedule": {
    "admitDate": "",
    "anType": "general",
    "anesthesiaStaff": [
      {
        "endTime": "15:54",
        "isResponsibleProvider": true,
        "provider": "WATKINS, MICHAEL R, CRNA",
        "providerNPI": "XXXXXXX",
        "role": "CRNA",
        "startTime": "14:43"
      }
    ]
  },
  "asa": "2",

```

```

    "class": "Hospital Outpatient Surgery",
    "diagnosis": "Chronic pain of left knee [M25.562, G89.29\nTear of medial meniscus of
left knee, current, unspecified tear type, initial encounter [S83.242A",
    "difficultIntubation": false,
    "dischargeDate": "",
    "emergent": false,
    "endTime": "15:54",
    "procedure": "ARTHROSCOPY WITH MENISCECTOMY, LAT.& MEDIAL WITH SHAVING (WRVU 7.39)
[29880], MODIFIER SMITH & NEPHEW ENDOSCOPY - FLOW 50 / WERE WOLF",
    "recSigned": true,
    "room": "OR 02",
    "startTime": "14:43",
    "surgeon": "HOUDE, JOHN P",
    "surgeonNPI": "XXXXXXX"
  },
  "state": "CodeCompleted",
  "status": "OK"
}
}

```

There are two main use cases:

- Electronic Records

- o providerNPI, surgeonNPI, insuranceID:

- § Hank.ai will maintain the IDs for Insurance, Provider [NPI], and Surgent [NPI] as available

- o User Experience:

- § Electronic records should work as is today based on existing mapping

- Paper Records [Mobile]

- o providerNPI – hash ID that is constructed from the name
 - o surgeonNPI – hash ID that is constructed from the name
 - o insuranceID – hash ID that is facility name, company name, PO Box, Plan
 - o User Experience:

- § Initially mapping will have to be implemented at first.

- o Hank.ai: In about 10-12 weeks there should be a solution.