**HCP API DOCUMENTATION**

**API ENDPOINT :** [**http://192.168.1.27/api/v1/home**](http://192.168.1.27/api/v1/home)

**JWT ALGORITHIM: ‘HS512’**

**DATE FORMAT: DD-MM-YYYY or DD/MM/YYYY**

**ABBREVIATION:**

* ***Action*** : define type of action to be performed by API eg ***107*** for requesting authorization number
* **hcpCode**: defines Hospital Facility Code eg MOUNT MERU HOSPITAL => ‘105651-4’.
* ***Data*** : Encrypted JWT String that contains payload data.
* **Payload variable descriptions:**
  + **visitType :**

1 => Normal visit, 2 => Followup

* + **Category** :

1 => Normal Authorization, 2 => Emergency Authorization and 3 => Investigation Authorization

* + **serviceCategory** :

1 => Consultation , 2 => Investigation , 3 => Pharmacy , 4 => Minor Procedure , 5 => Major Procedure , 6 => Admission Costs

* + **facilityType**:

1 => HSP, 2 => HCP

* + **progressCategory**:

1 => Discharged, 2 => Admitted, 3 => scheduled for next visit

* + **exemptionType**

1 => ED (Excuse from duties), 2 => LD (Light Duties), 3 => Hospitalization

* + **referralCategory:**

1=> HCP referral, 2=> WCF referral, 3=> Investigation referral

* + **dischargeReason**

1 => Full recovered, 2 => Referral, 3 => Death, 4 => Recovered with Permanent body part loss

1. **AUTHORIZATION NUMBER REQUEST**

***PAYLOAD:***

**{**

**"registrationNo": "105651-4",**

**"insuaranceID": 0,**

**"facilityType": 2,**

**"notificationumber": 600000030,**

**"visitType": "1",**

**"category": 1,**

**"qaName": "Kumlaza Swai",**

**"qaPhone": "0798262384",**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 107,

“hcpCode”: “**105651-4**”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": "Authorization Number Generated Successfully",

"data": {

"wcfAuthNo": "NV80917273032",

"visitType": "1",

"employeeNo": 203471991,

"employeeName": "AMIRI ABDUL MKETO",

"incidentType": "Disease",

"incidentDate": "2023-10-01",

"employerTin": "127359830",

"employerName": "Arab Contractors Tanzania Ltd",

"gender": "Female",

"dob": "1979-10-25",

"maritalStatus": "Single",

"wcfNotificationNo": 600000012,

"nida": null

}

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **FACILITY SERVICE LIST**

***PAYLOAD:***

**{**

**"facilityType": 2,**

**"registrationNo": "111144-2",**

**"serviceCategory": 2,**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 108,

“hcpCode”: “**105651-4**”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": "Facillity Service List",

"data": [

{

"serviceid": 3,

"wcf\_code": "WCF003",

"servicename": "WCF003 : FBC",

"serviceprice": "7000",

"is\_prior\_approval": 0,

"gender": "Both"

},

{

"serviceid": 4,

"wcf\_code": "WCF004",

"servicename": "WCF004 : Utrasound",

"serviceprice": "30000",

"is\_prior\_approval": 0,

"gender": "Both"

},

{

"serviceid": 5,

"wcf\_code": "WCF005",

"servicename": "WCF005 : MRI",

"serviceprice": "30000",

"is\_prior\_approval": 1,

"gender": "Both"

},

{

"serviceid": 6,

"wcf\_code": "WCF006",

"servicename": "WCF006 : X-ray",

"serviceprice": "30000",

"is\_prior\_approval": 0,

"gender": "Both"

}

]

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **ADDING SERVICE TO AUTHORIZATION**

***PAYLOAD:***

**{**

**"facility\_type": 2,**

**"registrationNo": "105651-4",**

**"authorizationNo": "NV88688035724",**

**"data": [**

**{**

**"serviceID": 1,**

**"quantity": 1,**

**"servicePrice": "16/10/2023",**

**"requestedBy": "Dr Rajab Moshi"**

**},**

**{**

**"serviceID": 7,**

**"quantity": 5,**

**"servicePrice": "16/10/2023",**

**"requestedBy": "Dr Rajab Moshi"**

**},**

**{**

**"serviceID": 12,**

**"quantity": 1,**

**"servicePrice": "15/10/2023",**

**"requestedBy": "Dr Rajab Moshi"**

**}**

**],**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 109,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": " Authorization Services Added Successfully",

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **AUTHORIZATION EXTENSION REQUEST**

***PAYLOAD:***

**{**

**"authorizationNo": "NV88688035724",**

**"extensionReason": "Waiting for Investigation Outcomes",**

**"requestedDate": "2023-09-29 08:18:26.000",**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 110,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": " Request Denied because Authorization Number already has extension",

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **INPATIENT MEDICAL PROGRESS (KUMLAZA)**

***PAYLOAD:***

**{**

**"authorizationNo": "NV88688035724",**

**"progressCategory": 2,**

**"patientCondition": "Patient in a comma",**

**"ICD10": ["Z96692","Z96492"],**

**"admissionData": {**

**"admissionDate": "23/09/2023",**

**"wardName": "Mwaisela",**

**"wardType": "Normal",**

**"admissionReason": "Require Closure monitoring"**

**},**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 111,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": " Patient Medical Progress Added and Patient Admitted Successfully"

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **INPATIENT WARD ROUNDS**

***PAYLOAD:***

**{**

**"authorizationNo": "NV88688035724",**

**"ward\_round\_date": "29/09/2023 12:45:00",**

**"progress\_note": "somehow relieved",**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 112,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": " Ward Round Updated Successfully"

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **OUTPATIENT MEDICAL PROGRESS**

***PAYLOAD:***

**{**

**"authorizationNo": "NV88688035724",**

**"progressCategory": 1,**

**"hasNextVisit": 0,**

**"patientCondition": "Patient in a coma",**

**"nextVisit": "null",**

**"ICD10": ["Z96692", "Z94692"],**

**"mmiDate": "9-29-2023",**

**"qaName": "Mwajuma Kibaden",**

**"qaPhone": "0753628962",**

**"exemptionData": [**

**{**

**"exemptionType": 1,**

**"startDate": "01/10/2023",**

**"endDate": "10-Oct-2023",**

**"days": 10**

**},**

**{**

**"exemptionType": 2,**

**"startDate": "2023-10-10",**

**"endDate": "20-Oct-2023",**

**"days": 10**

**}**

**],**

**"dischargeData": {**

**"dischargeReason": 1,**

**"dischargeDate": "29/09/2023",**

**"dischargeNote": "Patient Recovered",**

**"practitionerID": "3987",**

**"isDeath": 0,**

**“hasExemption”: 1,**

**"deathData": {**

**"date\_of\_death": "28/09/2023",**

**"deathCause": "Heart Attack"**

**},**

**"bodylossData": [**

**{**

**"bodyPart": 16,**

**"mannerOfLoss": "Accident leading to removal of his leg",**

**"degreeOfLoss": "complete loss",**

**“needRehabilitation” : 1,**

**"rehabilitation": "none"**

**},**

**{**

**"bodyPart": 16,**

**"mannerOfLoss": "accident at the factory",**

**"degreeOfLoss": "complete loss",**

**"rehabilitation": "none"**

**}**

**],**

**"referralData": {**

**"referralTo": "105651-4",**

**"referralCategory": 3,**

**"remark": "Need Further Investigation"**

**}**

**},**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 113,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": " Patient Discharged Successfully"

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **AUTHORIZATION DATA**

***PAYLOAD:***

**{**

**"authorizationNo": "NV88688035724",**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 117,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eV90eXBlIjoxLCJhY2NUeXBlIjoiQWRtaW4iLCJyZWdpc3RyYXRpb25ObyI6IjEwNTY1MS00IiwiZmlyc3ROYW1lIjoiUmFqYWJ1IiwibWlkZGxlTmFtZSI6IlNhbHVtIiwibGFzdE5hbWUiOiJBbGx5IiwiZW1haWwiOiJleGFtcGxlQGV4YW1wbGUuY29tIiwicGhvbmVObyI6IjA3OTgyNjIzODQiLCJpYXQiOjE1MTYyMzkwMjJ9.ZQjfkEIByFVVYQ2G6Yd1RdMTBjc7y8QeKgUng9E3puHUpylU\_vWOzK13Y8\_OwSMfW5MltjMb186v1HxU01Lgxw”

}

***Response:***

For Success:

{

"code": 200,

"message": "Authorization Details Retrived Successfully",

"data": {

"authData": {

"wcf\_authno": "NV61186668290",

"employee\_no": 702953378,

"employee\_name": "FESTO EXAVERY RUGUMAMU",

"incident\_type": "Disease",

"incident\_date": "2023-09-25",

"employer\_tin": "106410046",

"employer\_name": "WadsWorth Distributors Tanzania Limited",

"gender": "Female",

"dob": "1962-08-15",

"marital\_status": "Married",

"wcf\_notificationNo": "100000020",

"visit\_type": "Normal",

"nida": null

},

"serviceData": [

{

"service\_id": 12,

"name": "Procedure 4",

"price": "7000",

"has\_approval": true,

"approval": "",

"approval\_status": "Waiting Approval"

},

{

"service\_id": 14,

"name": "VIP Bed",

"price": "50000",

"has\_approval": true,

"approval": "PAA33901094715",

"approval\_status": "Auto Approved"

},

{

"service\_id": 1,

"name": "Consultation",

"price": "10000",

"has\_approval": false,

"approval": "0",

"approval\_status": null

},

{

"service\_id": 7,

"name": "Panadol",

"price": "100",

"has\_approval": false,

"approval": "0",

"approval\_status": null

}

],

"medicalReportData": {

"progressCategory": "Scheduled for Next visit",

"patientCondition": "Patient in a comma",

"isSchedule": "0",

"mmiDate": null,

"ICD10": [

"I11",

"A010",

"A12"

],

"excemptionData": [

{

"exemptionType": 1,

"no\_of\_days": 10,

"startDate": "2023-01-01",

"endDate": "2023-01-10"

},

{

"exemptionType": 2,

"no\_of\_days": 10,

"startDate": "2023-01-11",

"endDate": "2023-01-20"

},

{

"exemptionType": "2",

"no\_of\_days": 10,

"startDate": "2023-01-01",

"endDate": "2023-01-10"

},

{

"exemptionType": "LD",

"no\_of\_days": 10,

"startDate": "2023-01-11",

"endDate": "2023-01-20"

}

],

"admissionData": {

"admissionDate": "2023-09-23",

"wardName": "Mwaisela",

"wardType": "HDU",

"admissionReason": "Require Closure monitoring",

"admissionStatus": "Discharged",

"wardRounds": null

},

"dischargeData": {

"dischargeDate": "2023-09-29",

"dischargeNote": "Patient Recovered",

"isDeath": false,

"dischargeReason": "Recovered with body part Loss",

"medicalPractitioner": "DrJoel Zacharia",

"bodyPartData": [

{

"bodyPart": "Abdomen",

"mannerOfLoss": "25",

"degreeOfLoss": "complete loss",

"rehabilitation": "none"

},

{

"bodyPart": "Abdomen",

"mannerOfLoss": "25",

"degreeOfLoss": "complete loss",

"rehabilitation": "none"

}

],

"referralData": “”

}

}

}

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **FACILITY AUTHORIZATION LIST**

***PAYLOAD:***

**{**

**"facilityNo": "111144-2",**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 118,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJ1c2VySUQiOjE3LCJmYWNpbGl0eU5vIjoiMTExMTQ0LTIiLCJpYXQiOjE2OTY1MTEwOTl9.xaNBfpMHO6S862TTj5S0gOGSUwUj9tUeifMub4QzgtcR0yKw0Da7xgXiWozLAkeek1tQfpDHSZfPZgW37hjAOQ”

}

***Response:***

For Success:

{

"code": 200,

"message": "Authorization List",

"data": [

{

"notificationNo": "600000030",

"authorizationNo": "NV84765479205",

"employeeName": "SALUMU IBRAHIM MTAUKILA",

"status": "Pending"

}

]

}

For Failure:

{

“code”: 422,

“message”: “Error message”

}

1. **HOSPITAL LIST REQUEST**

**PAYLOAD:**

**{**

**"userID": 2, // Facility ID**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 122,

“hcpCode”: 1,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eVR5cGUiOjIsImZhY2lsaXR5SUQiOjQxMzIsImlhdCI6MTY5NjUyNjk2NX0.fVkC50D7givOeAGBL1s9PCdwc75PtMn4b1uiqoV6gm86WeVmEFna7lBgo\_gUJkYJWLbsBjt1yPQHERuT59rTVA”

}

***Response:***

For Success:

{

"code": 200,

"message": "Hospital List",

"data": [

{

"id": 5673,

"hcpname": "107806-2:TEMEKE"

},

]

}

1. **BODY LIST REQUEST**

**PAYLOAD:**

**{**

**"userID": 2,**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 123,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eVR5cGUiOjIsImZhY2lsaXR5SUQiOjQxMzIsImlhdCI6MTY5NjUyNjk2NX0.fVkC50D7givOeAGBL1s9PCdwc75PtMn4b1uiqoV6gm86WeVmEFna7lBgo\_gUJkYJWLbsBjt1yPQHERuT59rTVA”

}

***Response:***

For Success:

{

"code": 200,

"message": "Body Part List",

"data": [

{

"id": 1,

"bodypart": "Scalp"

},

]

}

1. **ICD10 LIST REQUEST**

**PAYLOAD:**

**{**

**"userID": 2,**

**"exp": "1696589748"**

**}**

***REQUEST:***

{

“action”: 124,

“hcpCode”: “1”,

“data”: “eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJmYWNpbGl0eVR5cGUiOjIsImZhY2lsaXR5SUQiOjQxMzIsImlhdCI6MTY5NjUyNjk2NX0.fVkC50D7givOeAGBL1s9PCdwc75PtMn4b1uiqoV6gm86WeVmEFna7lBgo\_gUJkYJWLbsBjt1yPQHERuT59rTVA”

}

***Response:***

For Success:

{

"code": 200,

"message": "ICD10 List",

"data": [

{

"id": 1,

"icd10": "A000:Cholera due to Vibrio cholerae 01, biovar cholerae"

},

]

}