|  |  |  |  |
| --- | --- | --- | --- |
| Server name | Server URL | Credentials | Contact |
| FHIR-PIT™ | <https://demo.mihin.net/demo-fhir/user-login>   | fhir@tester.orgSandbox2@ | Jim Edwards |
| Consumer Portal | <https://demo.mihin.net/ConsumerPortal/user-login.htm> | See Table at end of document | Jim Edwards |

eCMS Testing

Details related to the Test to be performed in relation to the MiHIN eConsent Management System (eCMS) test environment that will be supported for the connectathon follows.

The following steps are proposed for track participants to demonstrate that they have implemented the eCMS flow in the supported environment successfully.

**Step 1:** Use API to see if consent is on file (should not be one)

**Step 2:** Use interface to create a consent on file (embed-able consent widget or Participant developed consent creation form)

**Step 3:** Use API to see if consent is on file (should be one now)

**Step 4:** Retrieve the consent resources from the FHIR server and ensure match with what is displayed in the UI

**Step 5:** Add or update consent using the FHIR calls and ensure match with the UI

**See Consent Widget** page for information about the embed-able HTML5 .

You can get the capability statement with the following URL.

 [https://demo.mihin.net/demo-fhir/baseDstu3/metadata](https://urldefense.proofpoint.com/v2/url?u=https-3A__demo.mihin.net_demo-2Dfhir_baseDstu3_metadata&d=DwMFaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=-wVBIJgAA3-9uR--Sjb6yDtb5fz-rxiHABKmrx_Z2Mc&m=endd58FYUXwGEsWRKXBDhd86jHyWNa2EpVZIWpSecpo&s=AiVjHL2pX_8X-pJQRWB7ScjihuX6Fttxs4ysvk5TlcM&e=)

These are the four resource types involved in this scenario:

**Consent** (created by embed-able form supplied)

**Patient** (based on persona data to be provided)

**Organization** (from reference data to be provided with personas)

**Practitioner** (from reference data to be provided with personas)

Consent: (GET) URL: <https://demo.mihin.net/demo-fhir/Consent?firstName=Joan&lastName=Chen&gender=F&zip=49503&dob=19870906&ck=ah7xjurafl4bdznumnupokdyn676tqrp7pkz2ojk>

{"resourceType":"Bundle","entry":[{"resource":{"resourceType":"Consent","extension":[{"url":"http://mihin.org/fhir/extension/consent/","valueCodeableConcept":{"coding":[{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"idNumber","display":"4432"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"allInformationFlag","display":"true"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"exceptInformationFlag","display":"false"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"exceptInformationText"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"consentDate"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"consentGivenName","display":"J Chen"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"consentGivenDate","display":"08/22/2017"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"consentRelationshipCode","display":"SELF"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"withdrawConsentFlag","display":"true"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"withdrawAllConsentFlag","display":"false"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"withdrawAllConsentName"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"withdrawAllConsentDate"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"withdrawAllConsentRelationshipCode"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"verbalWithdrawConsentName"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"verbalWithdrawConsentDate"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"individualProvidedCopyFlag","display":"false"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-attribute","code":"individualDeclinedCopyFlag","display":"false"}]}}],"status":"active","category":[{"coding":[{"code":"MDHHS-5515"}]}],"patient":{"id":"JoanChenF4950319870906","reference":"Patient/1122","display":"Joan Chen"},"except":[{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Group/-1"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992244"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992130"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992255"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992127"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999991038"}}]},{"type":"permit","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Organization/1.2.3.4.5.9.99.999.9999.1379"}}]},{"type":"permit","actor":[{"extension":[{"url":"http://mihin.org/fhir/extension/consent/","valueCodeableConcept":{"coding":[{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-actor-attribute","code":"relatedPersonFirstName","display":"Scott"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-actor-attribute","code":"relatedPersonLastName","display":"Smith"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-actor-attribute","code":"relatedPersonBirthDate","display":"1970-02-02"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-actor-attribute","code":"relatedPersonGender","display":"M"},{"system":"http://mihin.org/fhir/extension/consent/scd-consent-form-actor-attribute","code":"relatedPersonZipCode","display":"92821"}]}}],"role":{"coding":[{"code":"CONT"}]},"reference":{"display":"RelatedPerson/1"}}]},{"type":"deny","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992133"}}]},{"type":"deny","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992132"}}]},{"type":"deny","actor":[{"role":{"coding":[{"code":"PROV"}]},"reference":{"display":"Practitioner/9999992131"}}]}]}}]}

For those Participants that develop their own consent form the following are examples of API calls to the eCMS for a:

* Button on the Participants UI to search for organizations (embed-able form provided supports this capability)
* Button on the Participants UI to search for Practitioner (embed-able form provided supports this capability)

Organization: (GET) URL: [https://demo.mihin.net/Demo-fhir/OrganizationDetailsById?oid=1.2.3.4.5.9.99.999.9999.1397](https://demo.mihin.net/MiHINFHIRServer/OrganizationDetailsById?oid=1.2.3.4.5.9.99.999.9999.1397){"resourceType":"Organization","id":"1.2.3.4.5.9.99.999.9999.1397","active":true,"name":"Michigan Tobacco Cessation Program","telecom":[{"value":"800-555-7187","use":"work"}],"address":[{"line":["4827 Tollstone Rd"],"city":"Livonia","state":"MI","postalCode":"48151"}]}

Practitioner (GET) URL: [https://demo.mihin.net/Demo-fhir/PractitionerLookupByNPI?npi=9999992244](https://demo.mihin.net/MiHINFHIRServer/PractitionerLookupByNPI?npi=9999992244) {"resourceType":"Bundle","entry":[{"resource":{"resourceType":"Practitioner","id":"[9999992244](https://bitbucket.org/jeastman/consumer-centered-data-exchange/commits/9999992244)","name":[{"family":"Hasslen","given":["Sarah"]}],"qualification":[{"issuer":{"id":"1.2.3.4.5.9.99.999.9999.1315","reference":"Organization/1.2.3.4.5.9.99.999.9999.1315","display":"Wyoming Community Pharmacy"}}]}}]}

An example of adding a new patient to the eCMS:

Patient: (POST) URL: [https://demo.mihin.net/Demo-fhir/ConsumerInformation?firstName=Alice&lastName=Vargas&gender=F&dob=19900510&zip=48114&ck=088B7140FF9840368455BE6871637395](https://demo.mihin.net/MiHINFHIRServer/ConsumerInformation?firstName=Alice&lastName=Vargas&gender=F&dob=19900510&zip=48114&ck=088B7140FF9840368455BE6871637395) {"resourceType":"Patient","extension":[{"url":"http://mihin.org/fhir/extension/","valueCodeableConcept":{"coding":[{"system":"http://mihin.org/fhir/extension/","code":"commonKey","display":"088B7140FF9840368455BE6871637395"}]}},{"url":"http://mihin.org/fhir/extension/ifc","valueCodeableConcept":{"coding":[{"system":"http://mihin.org/fhir/extension/ifc","code":"ifc","display":"Common\_Key,First\_Name,Last\_Name,Gender,DOB,ZIP,Use\_Case,Integration\_Profile,Content\_Profile,Address\n088B7140FF9840368455BE6871637395,Alice,Vargas,F,1990-05-10,48114,1.1.1.1,DIRECT,FHIR;CSV,doctor@directt.mihin.org\n"}]}}],"name":[{"family":"Vargas","given":["Alice","S"]}],"gender":"female","birthDate":"1990-05-10","address":[{"postalCode":"48114"}]}

Example of Step 1: expected behavior

NO PATIENT / NO CONSENT: [https://demo.mihin.net/Demo-fhir/HasConsent?firstName=Alice&lastName=Vargas&gender=F&dob=19900510&zip=48114&ck=088B7140FF9840368455BE6871637395](https://demo.mihin.net/MiHINFHIRServer/HasConsent?firstName=Alice&lastName=Vargas&gender=F&dob=19900510&zip=48114&ck=088B7140FF9840368455BE6871637395) RESPONSE: Patient has consent on file: NO

Example of Step 3: expected behavior CONSENT FOUND: [https://demo.mihin.net/Demo-fhir/HasConsent?firstName=Tricia&lastName=Franklin&gender=F&dob=19870115&zip=48341&ck=ah7xct5hfl4bdznumnupokdyn67ruuxusrdj4qgc](https://demo.mihin.net/MiHINFHIRServer/HasConsent?firstName=Tricia&lastName=Franklin&gender=F&dob=19870115&zip=48341&ck=ah7xct5hfl4bdznumnupokdyn67ruuxusrdj4qgc) RESPONSE: Patient has consent on file: YES

Consumer Portal Test Credentials:

|  |  |  |
| --- | --- | --- |
| username | password | display name |
| user1@mihin.org | Sandbox2@@ | Julie Caputo |
| user2@mihin.org | Sandbox2@@ | Brandon Clark |
| user3@mihin.org | Sandbox2@@ | Lucas Anderson |
| user4@mihin.org | Sandbox2@@ | Angelica Jones |
| user5@mihin.org | Sandbox2@@ | Millie Bryant |
| user6@mihin.org | Sandbox2@@ | Christy Munson |
| user7@mihin.org | Sandbox2@@ | Jessica Campbell |
| user8@mihin.org | Sandbox2@@ | Ryan Paulson |
| user9@mihin.org | Sandbox2@@ | William Chen |
| user10@mihin.org | Sandbox2@@ | Janie Barnes |
| user11@mihin.org | Sandbox2@@ | Daisy Barnes |
| user12@mihin.org | Sandbox2@@ | Myra Caldwell |
| user13@mihin.org | Sandbox2@@ | Trudy Campbell |
| user14@mihin.org | Sandbox2@@ | Domingo Gonzales |
| user15@mihin.org | Sandbox2@@ | Jorge Mendoza |
| user16@mihin.org | Sandbox2@@ | Viola Campbell |
| user17@mihin.org | Sandbox2@@ | Elise Paulson |
| user18@mihin.org | Sandbox2@@ | Raoul Gonzales |
| user19@mihin.org | Sandbox2@@ | Donna Jones |
| user20@mihin.org | Sandbox2@@ | Aiden Jones |