

Article

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[Open Exchange](#)

An overview of iris-fhir-portal

I created the iris-fhir-portal as part of the current contest [InterSystems IRIS for Health FHIR](#), and I'm writing this quick overview to introduce the features that my application offers.

The goal of iris-fhir-portal is to show how easy we can create a Patient Chart using FHIR capabilities in IRIS for Health and empower the user with their own data.

Features

Patient List

On the left panel, you have a patient list with a filter bar on top.



Patient List

Getting patient list using FHIR.



Allen322 Kilback373

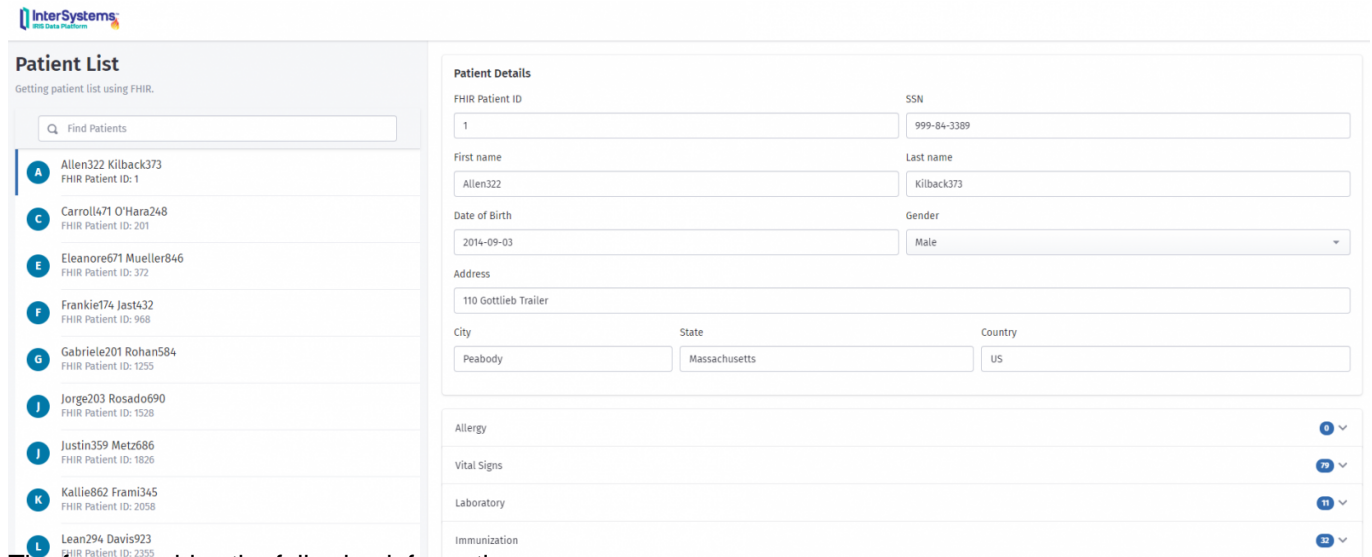
FHIR Patient ID: 1



Kallie862 Frami345

FHIR Patient ID: 2058

Patient Details



The form provides the following information:

- FHIR Patient ID
- SSN (Social Security Number)
- First Name
- Last Name
- Date of Birth
- Gender
- Address
- City
- State
- Country

After the Patient Details form, we have an accordion with four blocks of information. The FHIR Resources that provide those pieces of information are:

- AllergyIntolerance
- Observation
 - Category: vital-signs
 - Category: laboratory
- Immunization

The badges on the right side show the total of results for each item.

PS: I wrote about how I got all this information from FHIR Resources in my previous article.

<https://community.intersystems.com/post/my-experience-working-fhir>

As an example, here we have a screenshot of Laboratory Results:

Laboratory 11 ^

Test	Value	Unit	Date Time
Leukocytes [# /volume] in Blood by Automated count	6.7188	10 ³ /uL	2014-09-03T01:12:15+00:00
Erythrocytes [# /volume] in Blood by Automated count	5.1535	10 ⁶ /uL	2014-09-03T01:12:15+00:00
Hemoglobin [Mass /volume] in Blood	17.382	g/dL	2014-09-03T01:12:15+00:00
Hematocrit [Volume Fraction] of Blood by Automated count	36.776	%	2014-09-03T01:12:15+00:00
MCV [Entitic volume] by Automated count	91.937	fL	2014-09-03T01:12:15+00:00
MCH [Entitic mass] by Automated count	29.745	pg	2014-09-03T01:12:15+00:00
MCHC [Mass /volume] by Automated count	35.152	g/dL	2014-09-03T01:12:15+00:00
Erythrocyte distribution width [Entitic volume] by Automated count	44.684	fL	2014-09-03T01:12:15+00:00
Platelets [# /volume] in Blood by Automated count	342.38	10 ³ /uL	2014-09-03T01:12:15+00:00
Platelet distribution width [Entitic volume] in Blood by Automated count	231.8	fL	2014-09-03T01:12:15+00:00
Platelet mean volume [Entitic volume] in Blood by Automated count	10.655	fL	2014-09-03T01:12:15+00:00

For a transparent approach with patient data, at the end of the page, there is a modal with all the information provided by the FHIR resources.

FHIR Data Source

```
{
  "resourceType": "Patient",
  "id": "1",
  "text": {
    "status": "generated",
    "div": "<div xmlns='\"http://www.w3.org/1999/xhtml\"'>Generated by <a href='\"https://github.com/synthetichealth/synthea\"'>Synthea</a>.Version identifier: 65d0325\n . Person seed: 5952252835160219791 Population seed: 1597226051893</div>"
  },
  "extension": [
    {
      "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-race",
      "extension": [
        {
          "url": "ombCategory",
          "valueCoding": {
            "system": "urn:oid:2.16.840.1.113883.6.238",
            "code": "2106-3",
            "display": "White"
          }
        },
        {
          "url": "text",
          "valueString": "White"
        }
      ]
    },
    {
      "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-ethnicity",
      "extension": [
```

Close



You can try the app here!

<http://iris-fhir-portal.eastus.cloudapp.azure.com:32783/csp/user/fhirUI/patientlist.html>

If you liked the app and think I deserve your vote, please vote for iris-fhir-portal!



<https://openexchange.intersystems.com/contest/current>

[#FHIR #InterSystems IRIS for Health #Open Exchange](#)
[Check the related application on InterSystems Open Exchange](#)

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