

# **HEALTH CARE SERVICES**

HOSPITAL-NGO Services Database

**ARIJEET BISWAS**

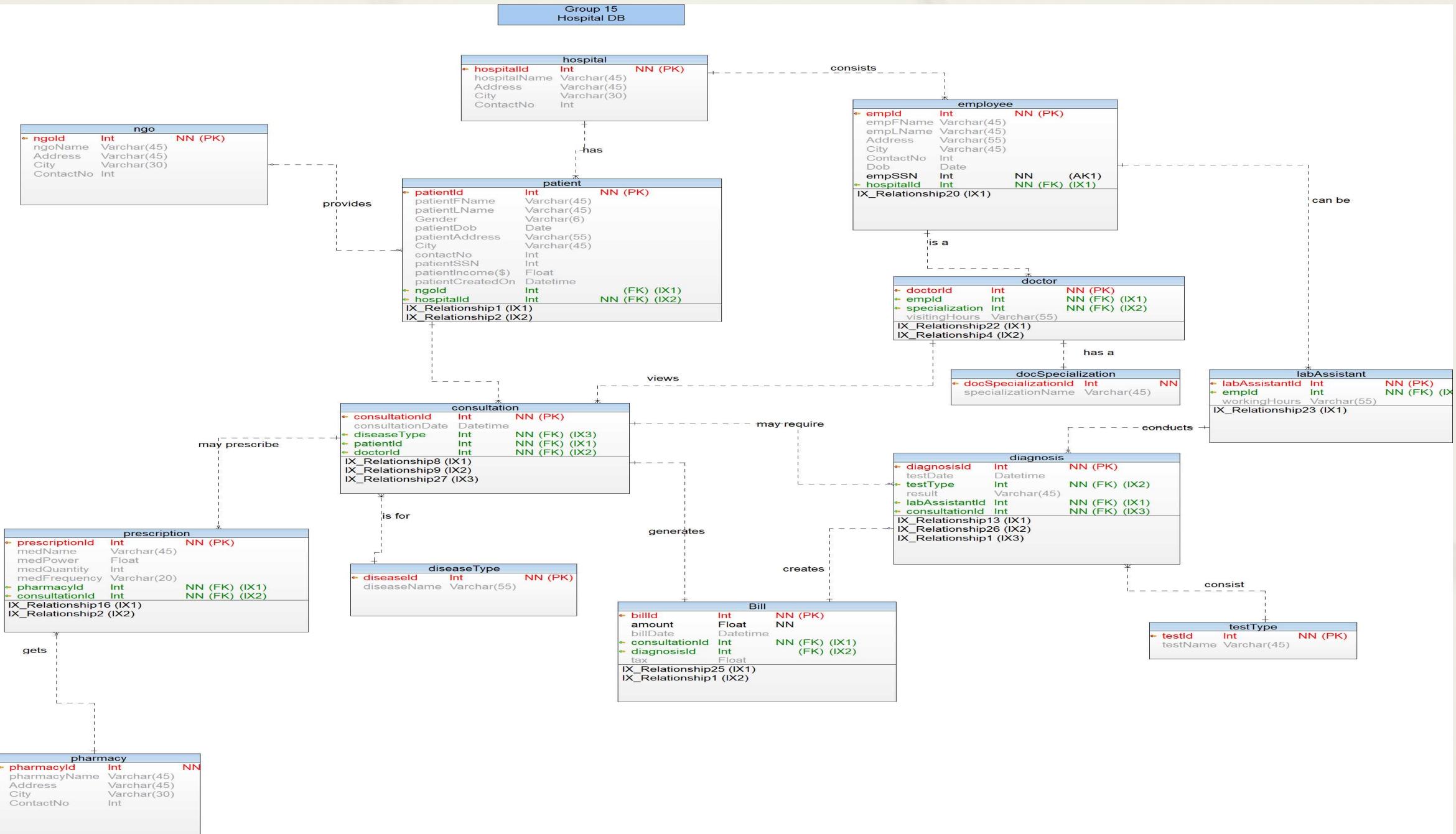
# PROBLEM STATEMENT

- Many underprivileged people cannot afford a proper medical treatment and are also not able to consult an expert doctor which results in deterioration of their health. In addition to this the other problem that we come across is the incapability of various NGO's to capture the data of such people since they must collect this data manually which results in many underprivileged people not receiving proper health care timely. Hence, we have come up with a system where in we are projecting, how a hospital management system would work in collaboration with an NGO to work for the betterment of quality of life for needy people.

# PROPOSED ENTITIES

- Hospital
- Employee
- Doctor
- Lab Assistant
- NGO
- Patient
- Pharmacy
- Consultation
- Diagnosis
- DocSpecialization
- DiseaseType
- TestType
- Bill
- Prescription





# DDL SCRIPT- EMPLOYEE TABLE (ALONG WITH CHECK CONSTRAINTS)

```
CREATE TABLE [employee]
(
    [empId] Int NOT NULL IDENTITY(120001,1),
    [empFName] Varchar(45) NULL,
    [empLName] Varchar(45) NULL,
    [Address] Varchar(55) NULL,
    [City] Varchar(45) NULL,
    [ContactNo] BigInt NULL ,
    [Dob] Date NULL,
    [empSSN] BigInt NOT NULL,
    [hospitalId] Int NOT NULL,
    CONSTRAINT check_age CHECK (Dob >= '1954-01-01' AND Dob <= '1998-04-19'),
    CONSTRAINT chk_phone CHECK (ContactNo like '[1-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]')
)
go
-- Create indexes for table employee

CREATE INDEX [IX_Relationship20] ON [employee] ([hospitalId])
go

-- Add keys for table employee

ALTER TABLE [employee] ADD CONSTRAINT [pk_employee] PRIMARY KEY ([empId])
go

ALTER TABLE [employee] ADD CONSTRAINT [empSSN] UNIQUE ([empSSN])
go

ALTER TABLE [employee] ADD CONSTRAINT [consists] FOREIGN KEY ([hospitalId]) REFERENCES [hospital]
    ([hospitalId]) ON UPDATE NO ACTION ON DELETE NO ACTION
go
```

| empld  | empFName | empLName   | Address                    | City            | ContactNo  | Dob                          | empSSN   | hospitalId | Username   |
|--------|----------|------------|----------------------------|-----------------|------------|------------------------------|----------|------------|------------|
| 120001 | Vincent  | Bennett    | 4919 Algonquin             | Peoria          | 4258657292 | Tuesday, January 25, 1955    | 18445864 | 15         | Bennett    |
| 120002 | Leighton | Dodson     | 5095 Reserve               | North Las Vegas | 9542276267 | Saturday, June 30, 1956      | 66750486 | 6          | Dodson     |
| 120003 | Malakai  | Guthrie    | 6345 Arbour                | Kansas City     | 6122226854 | Thursday, March 27, 1969     | 38965263 | 16         | Guthrie    |
| 120004 | Reagan   | Joyner     | 2842 St Mary               | Chattanooga     | 4138437521 | Tuesday, October 21, 1986    | 30275354 | 14         | Joyner     |
| 120005 | Quintin  | Garza      | 1557 Luella                | Richmond        | 9479941806 | Wednesday, February 9, 1994  | 17552542 | 6          | Garza      |
| 120006 | Eleanor  | Hernandez  | 9237 96th                  | Cincinnati      | 8322900673 | Friday, September 20, 1963   | 52583032 | 12         | Hernandez  |
| 120007 | Elian    | Walters    | 5466 Magnet                | Chattanooga     | 7475711359 | Friday, January 16, 1970     | 7224182  | 18         | Walters    |
| 120008 | Emily    | Barlow     | 9029 Nicolet               | Akron           | 6821932287 | Friday, March 11, 1966       | 55801367 | 14         | Barlow     |
| 120009 | Dustin   | Ortiz      | 6640 Dan Ryan Canalport Av | Coral Springs   | 3181240667 | Wednesday, August 20, 1958   | 82291483 | 8          | Ortiz      |
| 120010 | Alijah   | Frost      | 3120 I57 Ford 119th St     | Indianapolis    | 5513868359 | Saturday, May 21, 1994       | 1809707  | 2          | Frost      |
| 120011 | Clinton  | Booth      | 6929 34th                  | Madison         | 3016122143 | Wednesday, February 22, 1961 | 63005121 | 14         | Booth      |
| 120012 | Tara     | Goodman    | 3598 Montrose Harbor       | Worcester       | 4349630821 | Friday, May 2, 1986          | 54898850 | 12         | Goodman    |
| 120013 | Parker   | Johns      | 9162 Foster                | Mobile          | 5869310310 | Saturday, November 11, 1989  | 42094624 | 11         | Johns      |
| 120014 | Carter   | Cherry     | 4497 Kostner               | Louisville      | 2253197247 | Monday, April 23, 1990       | 4831618  | 11         | Cherry     |
| 120015 | Edgar    | Wilkins    | 5110 Vanderpoel            | Albuquerque     | 9415888276 | Sunday, December 11, 1988    | 56321881 | 3          | Wilkins    |
| 120016 | Desmond  | Schroeder  | 6695 Buckingham            | Jackson         | 9066578834 | Saturday, May 17, 1969       | 52168019 | 16         | Schroeder  |
| 120017 | Erica    | Ferrell    | 5406 Newport               | Charlotte       | 3214566317 | Thursday, January 31, 1991   | 57984800 | 17         | Ferrell    |
| 120018 | Molly    | Brennan    | 6736 Beverly Glen          | Bridgeport      | 4754232493 | Friday, February 16, 1990    | 62285772 | 17         | Brennan    |
| 120019 | Miguel   | Hill       | 1775 Pensacola             | Tucson          | 6363730175 | Tuesday, August 19, 1975     | 17470691 | 8          | Hill       |
| 120020 | Alissa   | Pruitt     | 8176 St Lawrence           | Boise City      | 3376206131 | Tuesday, January 25, 1955    | 58155190 | 11         | Pruitt     |
| 120021 | Roberto  | Fernandez  | 7022 Columbus Sub          | Springfield     | 3144901571 | Saturday, May 29, 1971       | 25818143 | 15         | Fernandez  |
| 120022 | Jerimiah | Hutchinson | 3564 Van Vlissingen        | Independence    | 6037581534 | Friday, March 3, 1972        | 52189983 | 8          | Hutchinson |

# SCREEN CAPTURE OF OUR DATA- EMPLOYEE TABLE

| diseaseId | diseaseName    |
|-----------|----------------|
| 1         | Asthma         |
| 2         | Eyesight       |
| 3         | Diabetes       |
| 4         | Skin Allergies |
| 5         | Depression     |
| 6         | Cancer         |
| 7         | HIV/Aids       |
| 8         | Thyroid        |
| 9         | Migraine       |
| 10        | Menopause      |
| 11        | Cholestrol     |
| 12        | Cardiac        |
| 13        | Sexual Health  |
| 14        | Oral Health    |
| 15        | Sleep Disorder |
| 16        | Fracture       |
| 17        | Arthritis      |
| 18        | Blood Pressure |
| 19        | Mental Health  |
| 20        | Chronic Pain   |

diseaseType (20 rows)

| pharmacyId | pharmacyName    | Address               | City            | ContactNo  |
|------------|-----------------|-----------------------|-----------------|------------|
| 1          | CVS             | 8415 Broad            | Montgomery      | 3042183177 |
| 2          | WalGreens       | 7775 Howard           | Jacksonville    | 3211111270 |
| 3          | CVS             | 1086 Dickinson        | Winston-salem   | 5809563873 |
| 4          | WalGreens       | 303 Hollett           | Atlanta         | 3853743851 |
| 5          | CVS             | 8084 Avenue B         | Fremont         | 2193041016 |
| 6          | WalGreens       | 196 Hart              | Huntsville      | 8302381640 |
| 7          | CVS             | 9933 Dan Ryan 47th St | Virginia Beach  | 4754388611 |
| 8          | WalGreens       | 5991 Meade            | Laredo          | 2133150450 |
| 9          | CVS             | 9261 Park Shore East  | Ann Arbor       | 6786917938 |
| 10         | WalGreens       | 5476 Olympia          | St. Louis       | 4074121186 |
| 11         | CVS             | 8427 107th            | Gilbert         | 7028449345 |
| 12         | WalGreens       | 9664 Rainey           | St. Petersburg  | 6716055341 |
| 13         | CVS             | 5223 Charles          | Sioux Falls     | 9411687123 |
| 14         | WalGreens       | 8875 Kewanee          | Clarksville     | 5049950592 |
| 15         | CVS             | 8929 Van Vlissingen   | Omaha           | 2036900954 |
| 16         | WalGreens       | 6010 Elaine           | Shreveport      | 3125332431 |
| 17         | CVS             | 978 122nd             | Fort Lauderdale | 8155061414 |
| 18         | WalGreens       | 1240 Longwood         | Little Rock     | 7696111866 |
| 19         | Express Scripts | 6838 Algonquin        | Coral Springs   | 5867484325 |
| 20         | Walmart         | 8827 Desplaines       | Tallahassee     | 9145321163 |

| hospitalId | hospitalName                               | Address                            | City          | ContactNo  |
|------------|--|------------------------------------|---------------|------------|
| 1          | Boston Medical Center                      | 4952 Ludlam                        | Boston        | 6195597964 |
| 2          | Boston Children Hospital                   | 4576 I57 Ford 119th St             | Boston        | 5178328919 |
| 3          | Tufts Medical Center                       | 8365 Wicker Park                   | Boston        | 7186109385 |
| 4          | Cleveland Clinic                           | 5251 Dan Ryan Ob Dan Ryan          | Cleveland     | 8081601816 |
| 5          | Massachusetts General Hospital             | 9180 Archer                        | Boston        | 9894831074 |
| 6          | Johns Hopkins Hospital                     | 7020 Lsd Recreation Dr             | Baltimore     | 3406406008 |
| 7          | UCLA Medical Centre                        | 6067 36th                          | Los Angeles   | 2179555180 |
| 8          | NYPU Hospital of Columbia and Cornell      | 9246 Dekalb                        | New York City | 3478878127 |
| 9          | Northwestern Memorial Hospital             | 4223 Grand                         | Chicago       | 8486104714 |
| 10         | Hospital of the University of Pennsylvania | 6468 Dekalb                        | Philadelphia  | 3024003707 |
| 11         | Barnes-Jewish Hospital                     | 2010 Breakwater Access             | Missouri      | 9528573380 |
| 12         | UPMC Presbyterian Shadyside                | 8969 Eastwood                      | Pittsburgh    | 3476383201 |
| 13         | Brigham and Womens Hospital                | 8791 Fielding                      | Boston        | 205885125  |
| 14         | Stanford Health Care-Stanford Hospital     | 2916 Stratford                     | Palo Alto     | 8503774651 |
| 15         | Duke University Hospital                   | 5096 Prairie Park                  | Durham        | 7196673890 |
| 16         | Cedars-Sinai Medical Center                | 6019 Chicago Skyway St Lawrence Av | Mesa          | 4357350256 |
| 17         | Houston Methodist Hospital                 | 5350 Shields                       | Cleveland     | 6509347530 |
| 18         | University of Colorado Hospital            | 1460 Denvir                        | Colorado      | 3309673008 |
| 20         | NYU Langone Medical Center                 | 897 Steuben                        | New York City | 2285195921 |
| 21         | University of Michigan Hospitals           | 2501 Belmont Harbor                | Detroit       | 5628603944 |

## SOME MORE SNIPPETS OF OUR DATA – DISEASETYPE TABLE, PHARMACY TABLE, HOSPITAL TABLE

| prescriptionId | medName             | medPower | medQuantity | medFrequency   | pharmacyId | consultationId |
|----------------|---------------------|----------|-------------|----------------|------------|----------------|
| 15002          | Sina Rest           | 10       | 15          | 1 in Morning   | 1          | 10002          |
| 15003          | Vicodin             | 100      | 5           | 1 in Morning   | 4          | 10003          |
| 15004          | Simvastatin         | 250      | 4           | 1 in AfterNoon | 7          | 10004          |
| 15005          | Paracetamol         | 500      | 8           | 1 in Evening   | 2          | 10005          |
| 15006          | Lisinopril          | 400      | 10          | 1 in Morning   | 9          | 10006          |
| 15007          | Azithromycin        | 650      | 7           | 1 in AfterNoon | 5          | 10009          |
| 15008          | Lipitor             | 150      | 6           | 1 in Evening   | 1          | 10012          |
| 15009          | Metformin           | 250      | 8           | 1 in Morning   | 10         | 10011          |
| 15010          | Amoxicillin         | 50       | 10          | 1 in AfterNoon | 6          | 10013          |
| 15011          | Hydrochlorothiazide | 10       | 14          | 1 in AfterNoon | 5          | 10014          |

| patientId | patientFName | patientLName | Gender | patientDob                  | patientAddress             | City           | contactNo  | patientSSN | patientIncome(\$) | patientCreatedOn     | ngold |
|-----------|--------------|--------------|--------|-----------------------------|----------------------------|----------------|------------|------------|-------------------|----------------------|-------|
| 2         | Kaydence     | Sanders      | m      | Monday, January 30, 1989    | 360 Huntington Ave         | Boston         | 2404664653 | 31136734   | 4390.21           | 4/18/2019 2:04:43 PM | 1     |
| 3         | Aileen       | Vaughan      | m      | Tuesday, September 16, 1980 | 2489 Mozart                | Pittsburgh     | 8013021232 | 70559360   | 628.54            | 4/18/2019 2:04:43 PM | 1     |
| 4         | Esmeralda    | Jordan       | m      | Sunday, July 10, 1910       | 2719 Dan Ryan Taylor St    | Huntsville     | 6185019340 | 85890910   | 356.98            | 4/18/2019 2:04:43 PM | 1     |
| 5         | Tyrell       | Barber       | f      | Tuesday, August 9, 1960     | 1364 Union                 | Santa Ana      | 9497551509 | 19440399   | 131.26            | 4/18/2019 2:04:43 PM | 1     |
| 6         | Harry        | Vang         | f      | Saturday, May 21, 1932      | 6474 Lsd Lawrence Av       | Baton Rouge    | 4693613263 | 74698047   | 3469.08           | 4/18/2019 2:04:43 PM | 1     |
| 7         | Chace        | Pittman      | f      | Wednesday, November 5, 1913 | 6878 Winchester            | Raleigh        | 6203265313 | 29220724   | 1784.25           | 4/18/2019 2:08:21 PM | 1     |
| 8         | Tinley       | Hines        | f      | Tuesday, January 6, 1920    | 5719 Meade                 | Corpus Christi | 8584094827 | 30438416   | 750.25            | 4/18/2019 2:08:21 PM | 1     |
| 9         | Misael       | Diaz         | m      | Tuesday, June 5, 1990       | 8374 Deming                | Laredo         | 6411651205 | 65456394   | 7302.79           | 4/18/2019 2:08:21 PM | 1     |
| 10        | Krystal      | Whitley      | f      | Thursday, July 8, 1954      | 5502 11th                  | Savannah       | 9548445436 | 9784315    | 1580.26           | 4/18/2019 2:08:21 PM | 1     |
| 11        | Taylor       | Lindsay      | f      | Monday, March 22, 1982      | 5648 Hutchinson            | Louisville     | 9361678169 | 87183795   | 364.3             | 4/18/2019 2:08:21 PM | 1     |
| 12        | Lilah        | Gallegos     | m      | Tuesday, July 25, 1989      | 2824 Kennedy California Av | Chandler       | 2533481071 | 11169418   | 4594.97           | 4/18/2019 2:08:21 PM | 1     |
| 13        | Lyric        | Bonner       | m      | Saturday, January 23, 1993  | 6825 Columbus Sub          | Tempe          | 6414690232 | 31640970   | 530.12            | 4/18/2019 2:08:21 PM | 1     |
| 14        | Myah         | Benjamin     | f      | Tuesday, February 13, 2007  | 4886 South Water Market    | Paterson       | 4694137087 | 27993573   | 2490.86           | 4/18/2019 2:08:21 PM | 1     |

| diagnosisId | testDate               | testType | result                   | labAssistantId | consultationId |
|-------------|------------------------|----------|--------------------------|----------------|----------------|
| 101         | 9/4/2017 12:00:00 AM   | 17       | Positive                 | 5              | 10002          |
| 102         | 3/2/2018 12:00:00 AM   | 13       | Negative                 | 3              | 10003          |
| 103         | 11/28/2017 12:00:00 AM | 10       | Positive                 | 1              | 10004          |
| 104         | 3/2/2017 12:00:00 AM   | 3        | Positive                 | 10             | 10005          |
| 105         | 1/1/2018 12:00:00 AM   | 18       | Bone Marrow Differential | 4              | 10006          |
| 106         | 4/17/2017 12:00:00 AM  | 15       | Positive                 | 5              | 10009          |
| 107         | 2/17/2017 12:00:00 AM  | 6        | Positive                 | 8              | 10011          |
| 108         | 5/30/2017 12:00:00 AM  | 7        | Tumor on upper rectum    | 2              | 10012          |
| 109         | 7/11/2017 12:00:00 AM  | 4        | Positive                 | 7              | 10013          |
| 110         | 8/3/2017 12:00:00 AM   | 10       | Negative                 | 6              | 10014          |
| 111         | 12/26/2017 12:00:00 AM | 20       | Positive                 | 9              | 10018          |
| 112         | 1/17/2018 12:00:00 AM  | 13       | Positive                 | 10             | 10002          |
| 113         | 4/6/2018 12:00:00 AM   | 1        | Negative                 | 4              | 10002          |

**LITTLE MORE SNIPPETS OF OUR DATA –  
PRESCRIPTION TABLE, DIAGNOSIS TABLE, PATIENT  
TABLE**

# STORED PROCEDURES- OUTPUT SP & INPUT SP

```
CREATE PROCEDURE NoOfConsultation @doctorId int, @ConsultationCount int OUTPUT
AS
BEGIN
/* Code GOES here */

SELECT d.doctorId , e.empFName +' '+ e.empLName AS Doctor, c.consultationId
From doctor d Join Employee e
On d.empId = e.empId Join consultation c
ON c.doctorId = d.doctorId
Where d.doctorId = @doctorId;

SELECT @ConsultationCount = @@ROWCOUNT;
END
```

```
CREATE PROCEDURE SelectPatientBillDetails @patientLName varchar(40), @Dob date
AS
BEGIN
/* Code GOES here */

SELECT p.patientId, p.patientFName +' '+ p.patientLName AS PatientName, e.empFName +' '+ e.empLName AS Doctor,
b.billdate, b.amount, b.tax, (b.amount+b.tax) AS Total

FROM PATIENT p Join consultation c
On p.patientId = c.patientId Join Bill b
On c.consultationId = b.consultationId Join doctor d
On c.doctorId = d.doctorId Join employee e
On d.empId = e.empId
--where p.patientFName = 'Tyrell'
Where p.patientLName = @patientLName And p.patientDob = @Dob;
END
```

| consultationId | DoctorName      | PatientName      | Disease        | testName                         | Prescription        |
|----------------|-----------------|------------------|----------------|----------------------------------|---------------------|
| 10002          | Erica Ferrell   | Tyrell Barber    | Blood Pressure | Tomography                       | Sina Rest           |
| 10002          | Erica Ferrell   | Tyrell Barber    | Blood Pressure | EEG                              | Sina Rest           |
| 10002          | Erica Ferrell   | Tyrell Barber    | Blood Pressure | Mammography                      | Sina Rest           |
| 10003          | Valentina Reyes | Marina Schroeder | Cardiac        | EEG                              | Vicodin             |
| 10004          | Dustin Ortiz    | Esmeralda Jordan | Blood Pressure | Electrocardiogram (EKG)          | Simvastatin         |
| 10005          | Kendall Shaffer | Tinley Hines     | Thyroid        | Complete Blood Count (CBC)       | Paracetamol         |
| 10006          | Dane Hawkins    | Krystal Whitley  | Asthma         | Endoscopy                        | Lisinopril          |
| 10009          | Vincent Bennett | Taylor Lindsay   | Oral Health    | Stool Test                       | Azithromycin        |
| 10011          | Edgar Wilkins   | Lilah Gallegos   | Sleep Disorder | Magnetic Resonance Imaging (MRI) | Metformin           |
| 10012          | Kendall Shaffer | Bennett Gardner  | Sleep Disorder | Charlee                          | Lipitor             |
| 10013          | Dulce Glenn     | Chace Pittman    | Eyesight       | Colonoscopy                      | Amoxicillin         |
| 10014          | Tara Goodman    | Kaydence Sanders | Blood Pressure | Electrocardiogram (EKG)          | Hydrochlorothiazide |
| 10015          | Erica Ferrell   | Marina Schroeder | Oral Health    |                                  |                     |
| 10016          | Tara Goodman    | Tinley Hines     | Mental Health  |                                  |                     |
| 10017          | Tara Goodman    | Chace Pittman    | Blood Pressure |                                  |                     |
| 10018          | Tara Goodman    | Jayde Lambert    | Cardiac        | Skin Allergy Test                |                     |
| 10019          | Elian Walters   | Stephen Mcdowell | Arthritis      |                                  |                     |
| 10020          | Edgar Wilkins   | Marina Schroeder | Depression     |                                  |                     |

Create View [User Views Consultation History]

AS

```
Select c.consultationId, e.empFName + ' ' + e.empLName AS DoctorName,
p.patientFName + ' ' + p.patientLName AS PatientName, t.diseaseName AS Disease,
test.testName, pc.medName AS Prescription
From consultation c Left join doctor d
ON c.doctorId = d.doctorId Left join employee e
ON e.empId=d.empId Left join patient p
ON c.patientId = p.patientId Left join diseaseType t
ON c.diseaseType = t.diseaseId Left Join prescription pc
ON c.consultationId = pc.consultationId Left JOIN diagnosis di
ON c.consultationId = di.consultationId Left JOIN testType test
ON di.testType = test.testId;
```

SELECT \* FROM [User Views Consultation History]

# VIEW-FOR CONSULTATION HISTORY

```
Create Function GetPrescribedMedicine ( @PatientLName varchar(40), @docLName varchar(40))
RETURNS varchar(50)

BEGIN
    DECLARE @medicine varchar(55)
    Select @medicine =
        pc.medName

        From patient p JOIN consultation c
        On p.patientId = c.patientId JOIN doctor d
        ON c.doctorId = d.doctorId JOIN prescription pc
        ON c.consultationId = pc.consultationId JOIN employee e
        ON d.empId = e.empId
        Where p.patientLName = @PatientLName AND e.empLName = @docLName

    Return @medicine
END

SELECT dbo.GetPrescribedMedicine ('Barber', 'Ferrell')
```

118 %

Results Messages

|   | (No column name) |
|---|------------------|
| 1 | Sina Rest        |

## FUNCTION – TO FETCH MEDICINE FOR PARTICULAR PATIENT

```
CREATE TRIGGER Bill_Amount on Bill
INSTEAD OF INSERT, UPDATE
AS
BEGIN
    INSERT INTO Bill
        SELECT amount,(amount*0.0625), billDate, diagnosisId ,consultationId
        FROM inserted
END
GO

INSERT INTO Bill (amount, billDate,diagnosisId,consultationId) VALUES (126.55,'20171105',104, 10017);

SELECT * From Bill where consultationId = 10017;
```

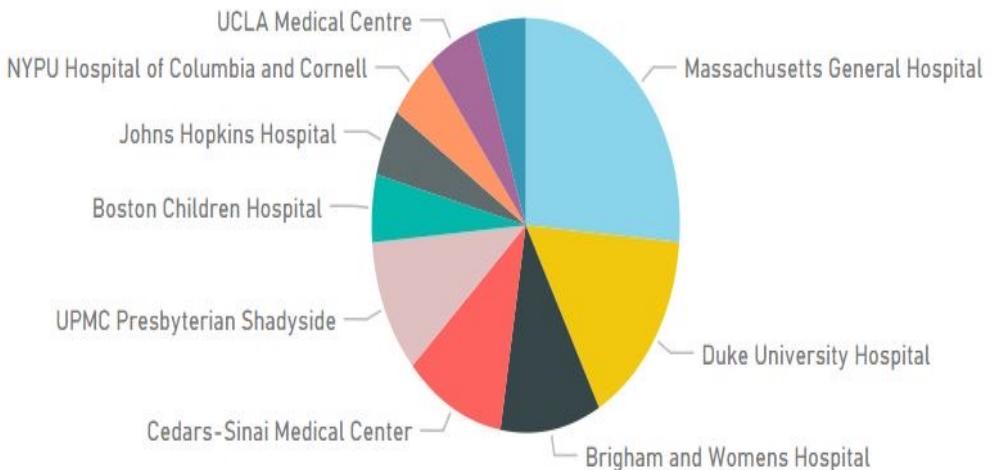
118 %

|   | billId | amount | tax      | billDate                | diagnosisId | consultationId |
|---|--------|--------|----------|-------------------------|-------------|----------------|
| 1 | 1016   | 126.55 | 7.909375 | 2017-11-05 00:00:00.000 | 104         | 10017          |

## TRIGGER TO INSERT OR UPDATE TAX VALUE FOR BILLS

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### COUNT OF PATIENTID AND AVERAGE OF PATIENTINCOME(\$) BY HOSPITALNAME



| hospitalName                          | Count of patientId | Average of patientIncome(\$) |
|---------------------------------------|--------------------|------------------------------|
| Massachusetts General Hospital        | 5                  | 1,218.63                     |
| Duke University Hospital              | 3                  | 3,800.14                     |
| Brigham and Womens Hospital           | 2                  | 2,479.64                     |
| Cedars-Sinai Medical Center           | 2                  | 1,267.25                     |
| UPMC Presbyterian Shadyside           | 2                  | 1,311.06                     |
| Boston Children Hospital              | 1                  | 591.28                       |
| Johns Hopkins Hospital                | 1                  | 4,390.21                     |
| NYPU Hospital of Columbia and Cornell | 1                  | 530.12                       |
| UCLA Medical Centre                   | 1                  | 171.00                       |
| University of Colorado Hospital       | 1                  | 642.59                       |

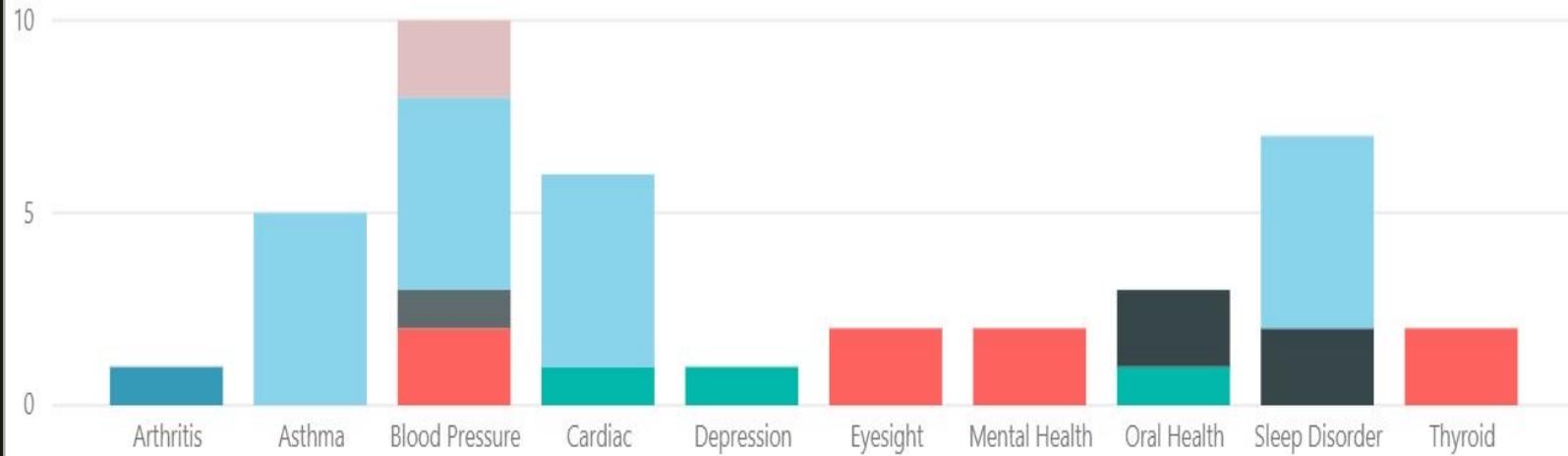
# POWER BI REPORT – DASHBOARD FOR COUNT OF PATIENT PER HOSPITAL

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## COUNT OF PATIENTID BY DISEASENAME AND HOSPITALNAME



hospitalName Boston Children Hospi... Brigham and Wome... Cedars-Sinai Medic... Johns Hopkins H... Massachusetts G... University of Col... UPMC Presbyteri...



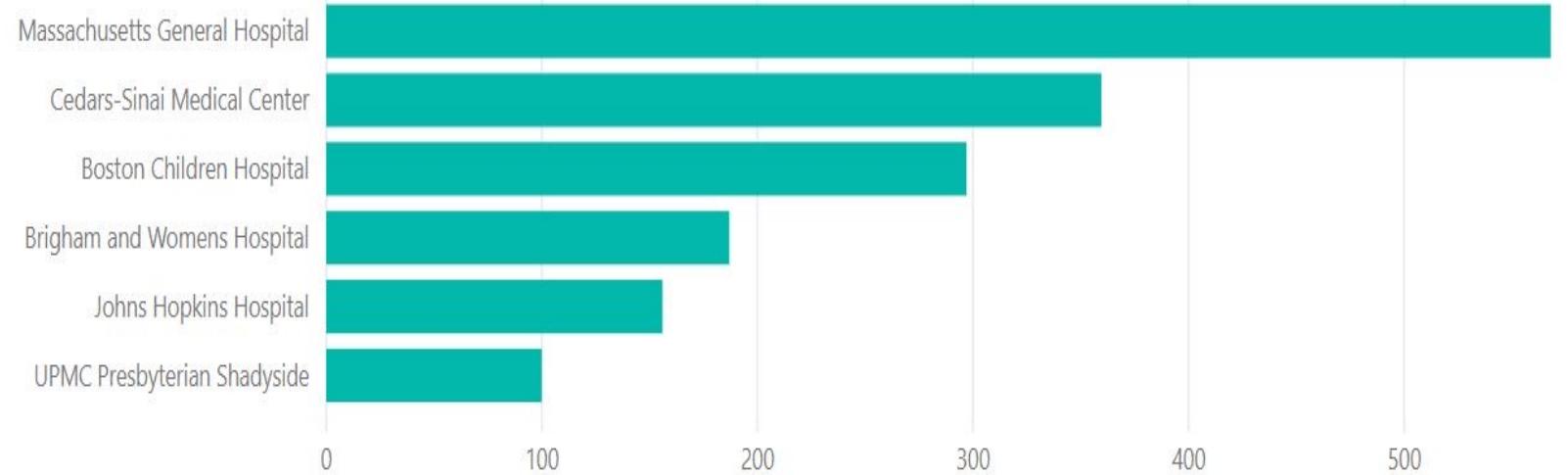
diseaseName Boston Children Hospital Brigham and Womens Hospital Cedars-Sinai Medical Center Johns Hopkins Hospital Massachusetts General Hospital University

| diseaseName    | Boston Children Hospital | Brigham and Womens Hospital | Cedars-Sinai Medical Center | Johns Hopkins Hospital | Massachusetts General Hospital | University |
|----------------|--------------------------|-----------------------------|-----------------------------|------------------------|--------------------------------|------------|
| Arthritis      | 1                        | 0                           | 0                           | 0                      | 0                              | 0          |
| Asthma         | 0                        | 0                           | 0                           | 0                      | 0                              | 5          |
| Blood Pressure | 0                        | 2                           | 1                           | 0                      | 0                              | 5          |
| Cardiac        | 1                        | 0                           | 0                           | 0                      | 0                              | 5          |
| Depression     | 1                        | 0                           | 0                           | 0                      | 0                              | 0          |
| Eyesight       | 0                        | 0                           | 0                           | 2                      | 0                              | 0          |
| Mental Health  | 0                        | 0                           | 0                           | 0                      | 2                              | 0          |
| Oral Health    | 1                        | 0                           | 0                           | 0                      | 0                              | 0          |
| Sleep Disorder | 0                        | 0                           | 2                           | 0                      | 0                              | 5          |
| Thyroid        | 0                        | 0                           | 0                           | 0                      | 0                              | 2          |

# POWER BI REPORT– DASHBOARD FOR DISEASE SUMMARY IN DIFFERENT HOSPITAL

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## INCOME AND COUNT OF BILLDATE BY HOSPITALNAME



# POWER BI REPORT- DASHBOARD FOR HOSPITAL INCOME



# THANK YOU!