SQL Assignment

1. How many Home Agencies are based in New York?

```
SELECT COUNT(*) AS Number_Of_Agencies_in_NewYork

FROM `bigquery-public-data.cms_medicare.home_health_agencies_2013`

WHERE State = 'NY';

Query results

JOB INFORMATION RESULTS CHART PREVIEW JSON EXECUTION DETAILS EXECUTION GRAPH

Row Number_Of_Agencies_in_NewYork *
```

2. How many Home Agencies are based in Miami City?



3. How much is the average Medicare Charge for Lupas?



4. How many Lupa episodes are there in Brooklyn City?

SELECT sum(total_lupa_episodes) AS Total_Lupas_Episodes_in_Brooklyn_City
FROM `bigquery-public-data.cms_medicare.home_health_agencies_2013`
Where city='BROOKLYN';



5. Which Home Medical Agency charged the maximum medicare charge for non-lupa in Birmingham city?

SELECT agency_name as Agency_which_charged_maximum_for_nonlupa_in_Birmingham_City
FROM `bigquery-public-data.cms_medicare.home_health_agencies_2013`
Where city='BIRMINGHAM'
ORDER BY total_hha_charge_amount_non_lupa
Limit 1;

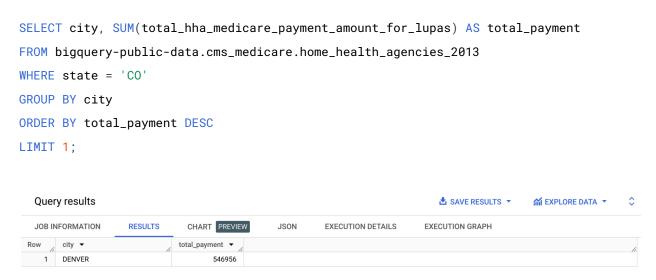


6. What is the total number of Home Health Agencies in California (CA) that had Medicare payments for non-LUPA cases, and what is the average Medicare payment amount among them?

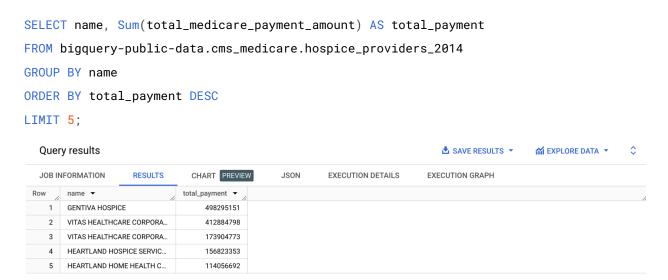
```
SELECT COUNT(*) AS total_agencies, AVG(total_hha_medicare_payment_amount_non_lupa) AS
average_payment
FROM bigquery-public-data.cms_medicare.home_health_agencies_2013
WHERE state = 'CA';
```



7. Among the Home Health Agencies in Colorado (CO), which city had the highest total Medicare payments for LUPA cases, and what is the amount?



8. Find the top 5 hospice providers in 2014 based on the total Medicare payment amount.



9. Find the top 10 home health agencies with the most total Medicare payments in 2013 and compare their total Medicare payments received in 2014.

```
SELECT
   hha2013.agency_name,
   hha2013.total_hha_medicare_payment_amount_for_lupas AS payment_2013,
   hha2014.total_hha_medicare_payment_amount_for_lupas AS payment_2014
FROM
   bigquery-public-data.cms_medicare.home_health_agencies_2013 AS hha2013
JOIN
   bigquery-public-data.cms_medicare.home_health_agencies_2014 AS hha2014
ON
   hha2013.provider_id = hha2014.provider_id
ORDER BY
   payment_2013 DESC
LIMIT 10;
  Query results
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  JOB INFORMATION
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       agency_name ▼
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      VNS OF NY HOME CARE CHHA
                               3085530
                                           3773014
    2 PARTNERS HEALTHCARE AT H...
                               1011128
                                            903930
```

799260

795078

713497

652164

666890

535535

628448

642212

896965

718151

648194

623846

616203

587616

583889

556588

10. Identify the hospice providers and home health agencies in 2014 located in the same city and state. Provide the names and total Medicare payments for each.

SELECT

3 VNA CARE NETWORK

4 CATHOLIC HOME CARE

5 CLEVELAND CLINIC HOME CA...

6 NORTH SHORE HOME CARE C...

7 ADVOCATE HOME HEALTH CA...

8 ATLANTIC HOME CARE & HOS...

9 VISITING NURSE ASSOC OF CE

10 VNA OF CAPE COD

```
name AS hospice_provider,
hospice.city AS hospice_city,
hospice.state AS hospice_state,
```

```
agency_name AS home_health_agency,
total_medicare_payment_amount AS total_payment
FROM
bigquery-public-data.cms_medicare.hospice_providers_2014 AS hospice
JOIN
bigquery-public-data.cms_medicare.home_health_agencies_2014 AS home_health
ON
hospice.city = home_health.city
AND hospice.state = home_health.state
ORDER BY
total_payment DESC
LIMIT 10;
```

