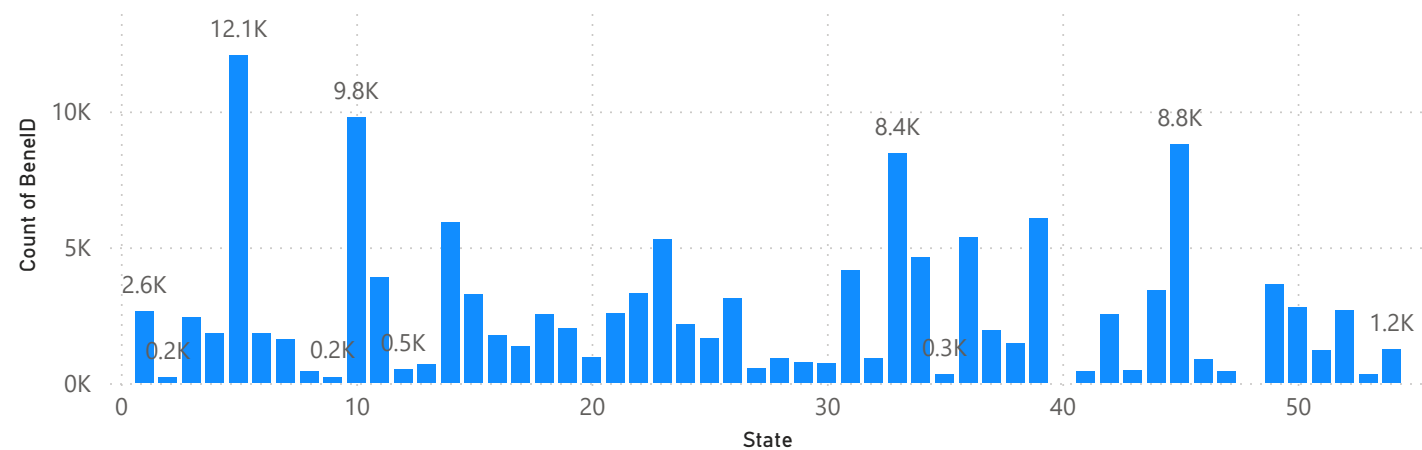


Healthcare Insurance Fraud analysis

total reimbursements to InPatientData vs OutPatientData			
ClaimType	ClaimType	Sum of InscClaimAmtReimbursed	Sum of InscClaimAmtReimbursed
In-Patient	Out-Patient	369224060	63000080
Total		408297020	148246120

State with the Highest Number of Beneficiaries

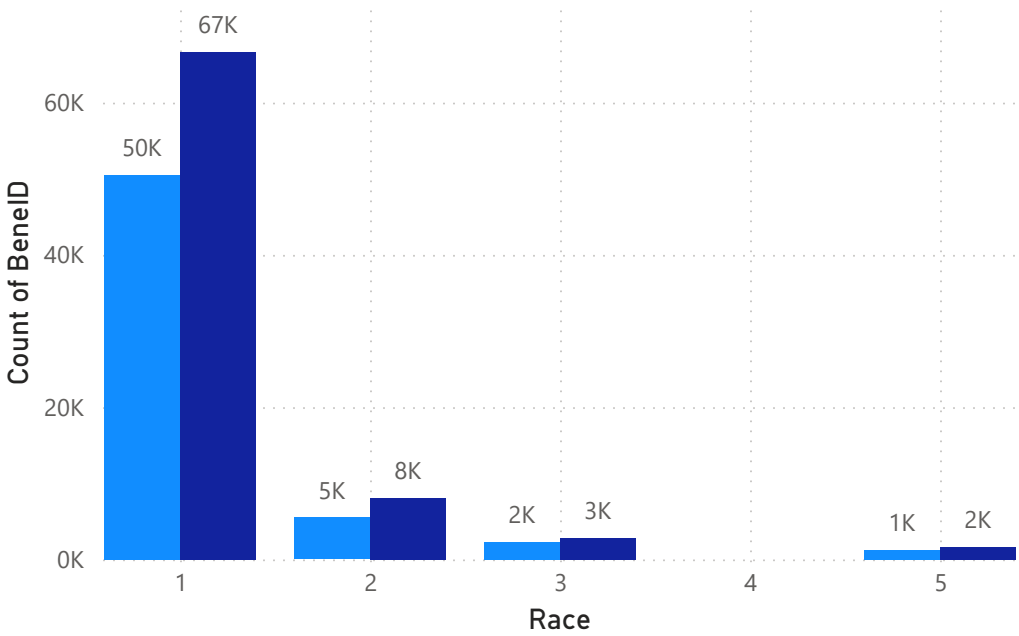


"Number of Beneficiaries: In-Patient vs. Out-Patient

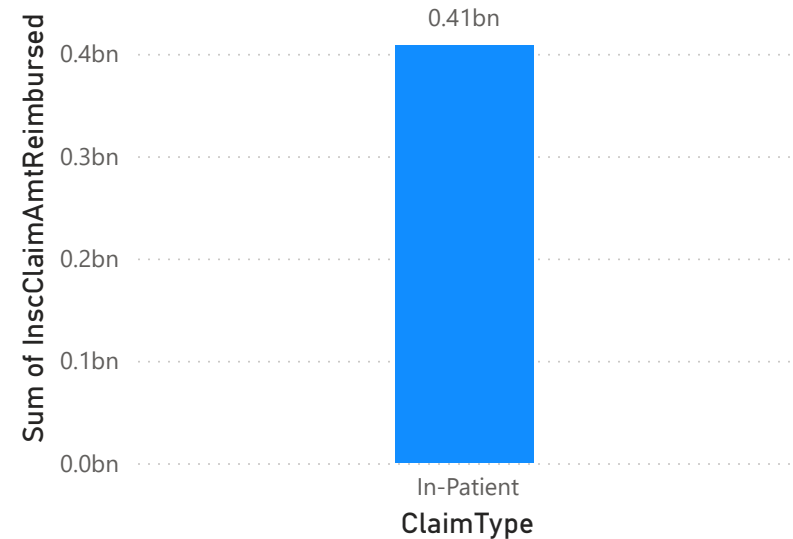
ClaimType	Count of BeneID	ClaimType	Count of BeneID
In-Patient	36727	Out-Patient	219737
Total		40474	
		517737	

total number of male and female beneficiaries across all races

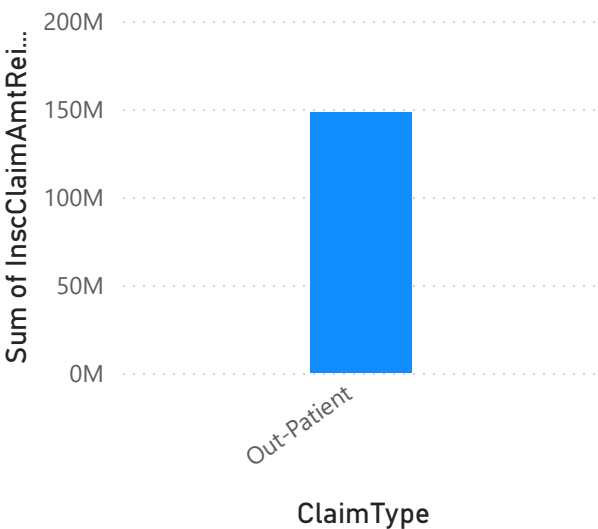
Gender 1 2



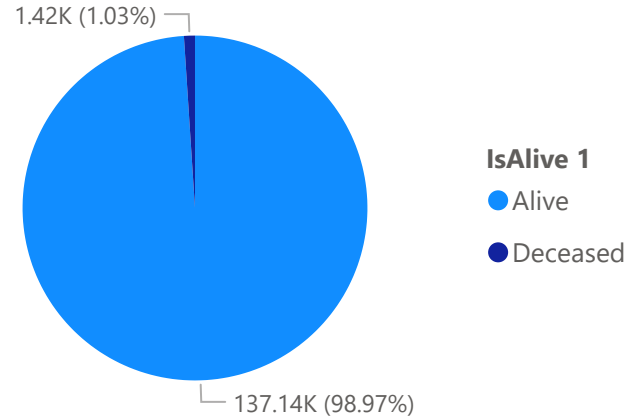
Sum of InscClaimAmtReimbursed by ClaimType



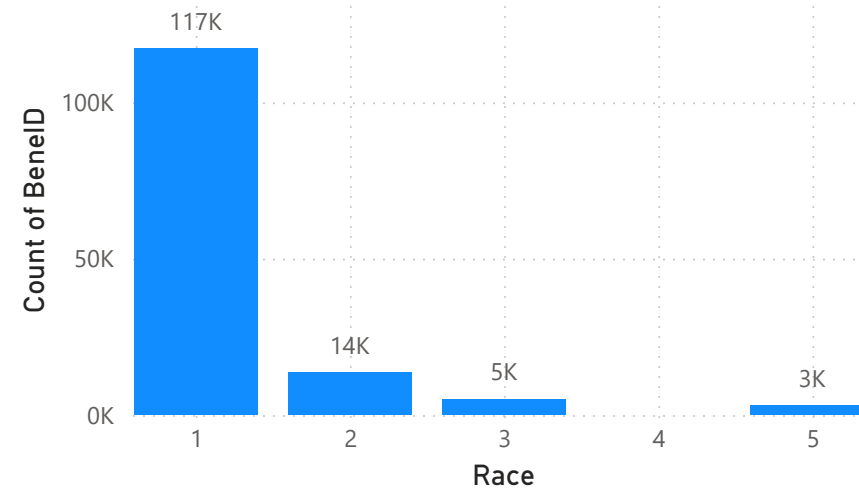
Sum of InscClaimAmtReimbursed by ClaimType



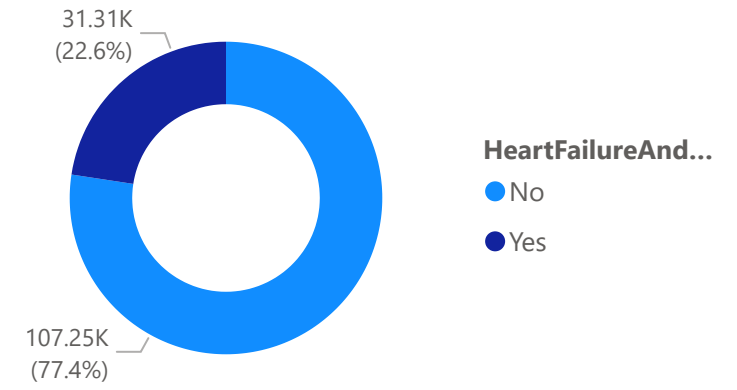
Percentage of Alive Beneficiaries



Number of Beneficiaries by Racial Background



Percentage of Beneficiaries with Both Heart Failure and Renal Failure



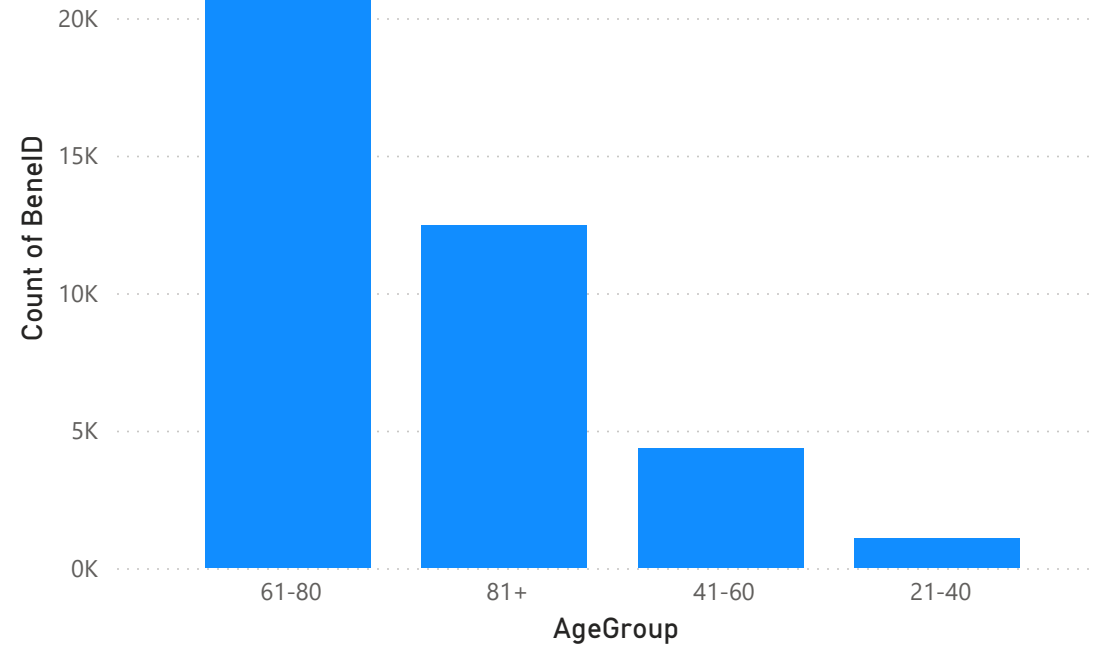
137.14K

Count of BenelD

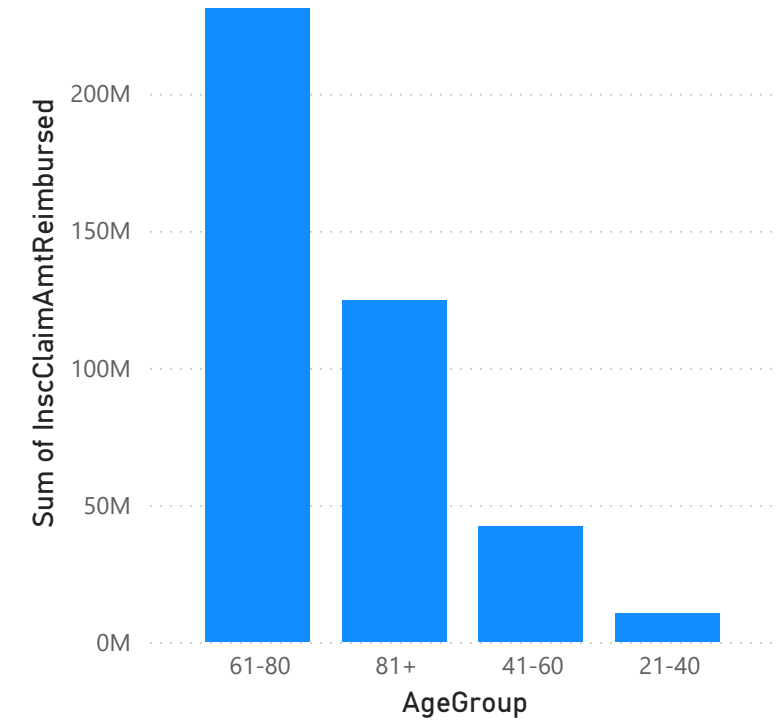
101K

TotalUniquePhysicians

age of beneficiaries at the time of hospitalization

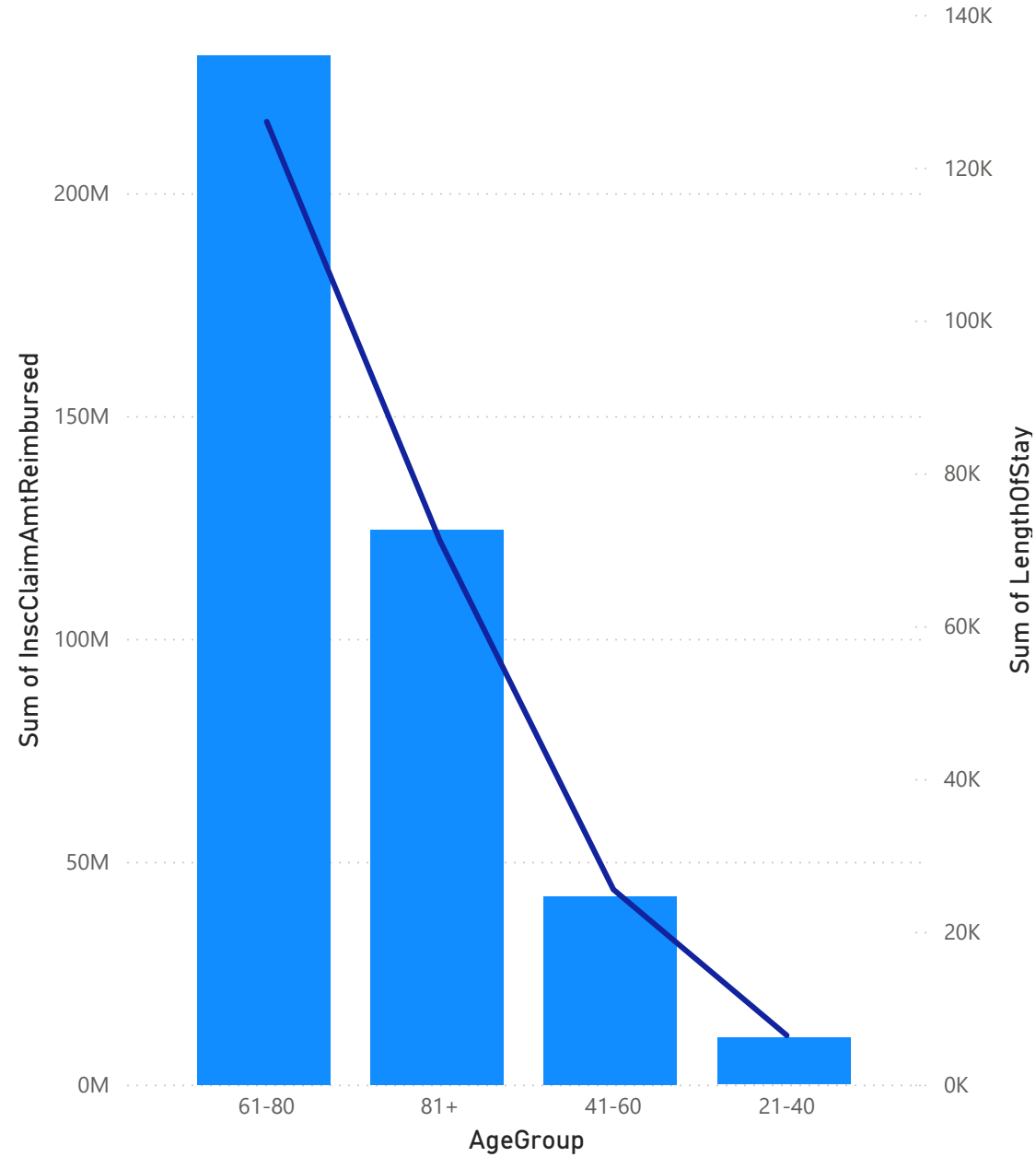


Sum of InscClaimAmtReimbursed by AgeGroup

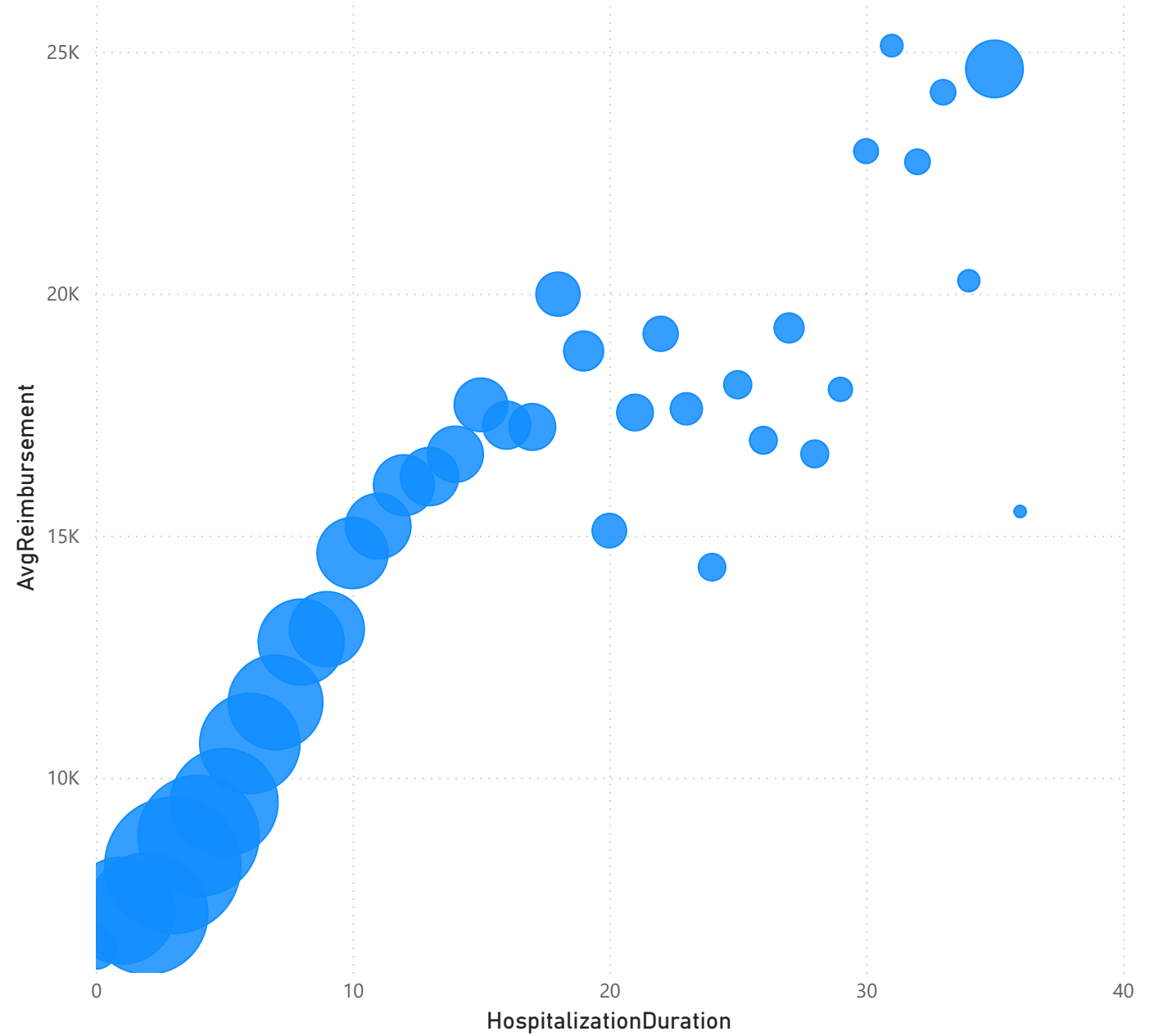


Sum of InscClaimAmtReimbursed and Sum of LengthOfStay by AgeGroup

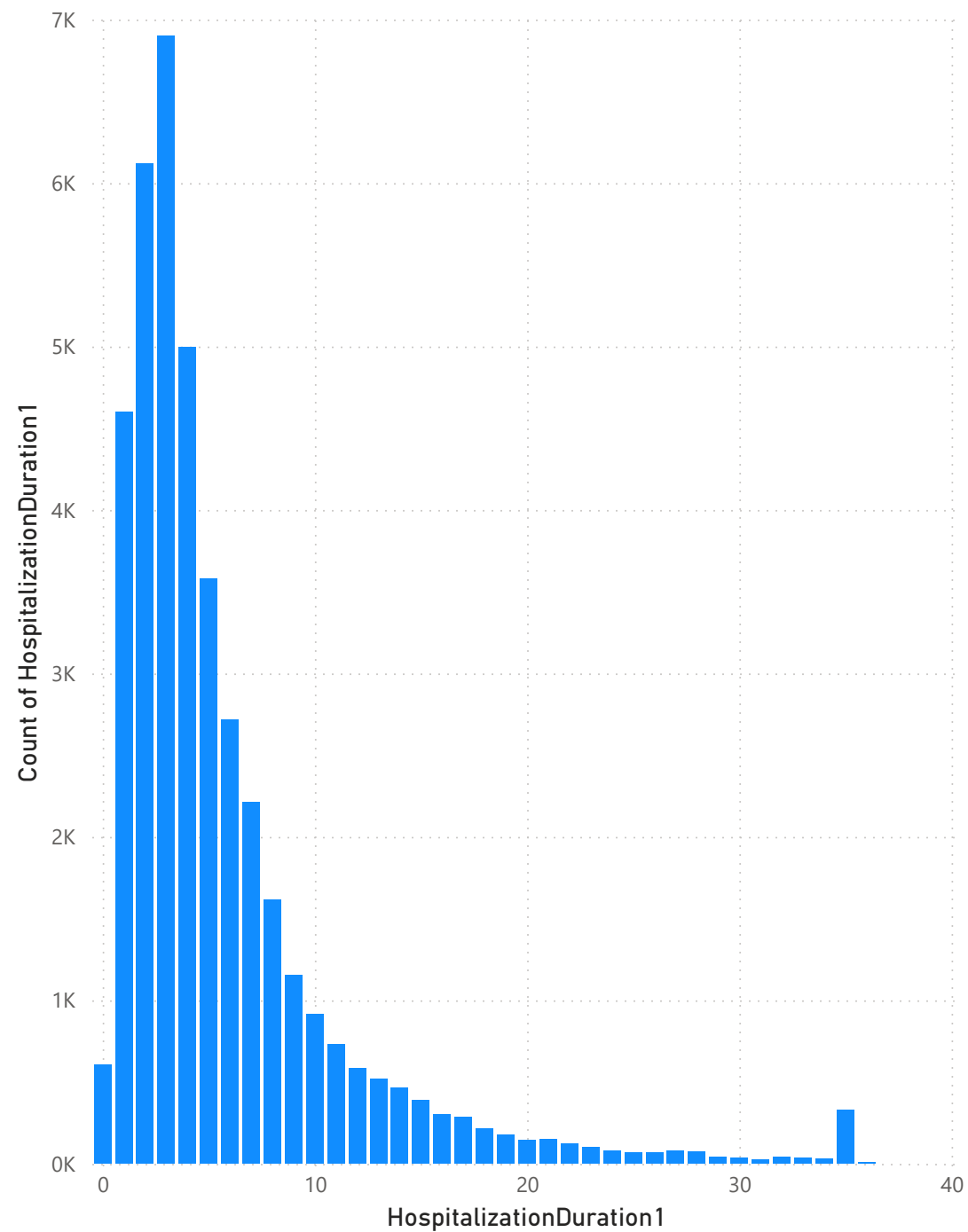
● Sum of InscClaimAmtReimbursed ● Sum of LengthOfStay



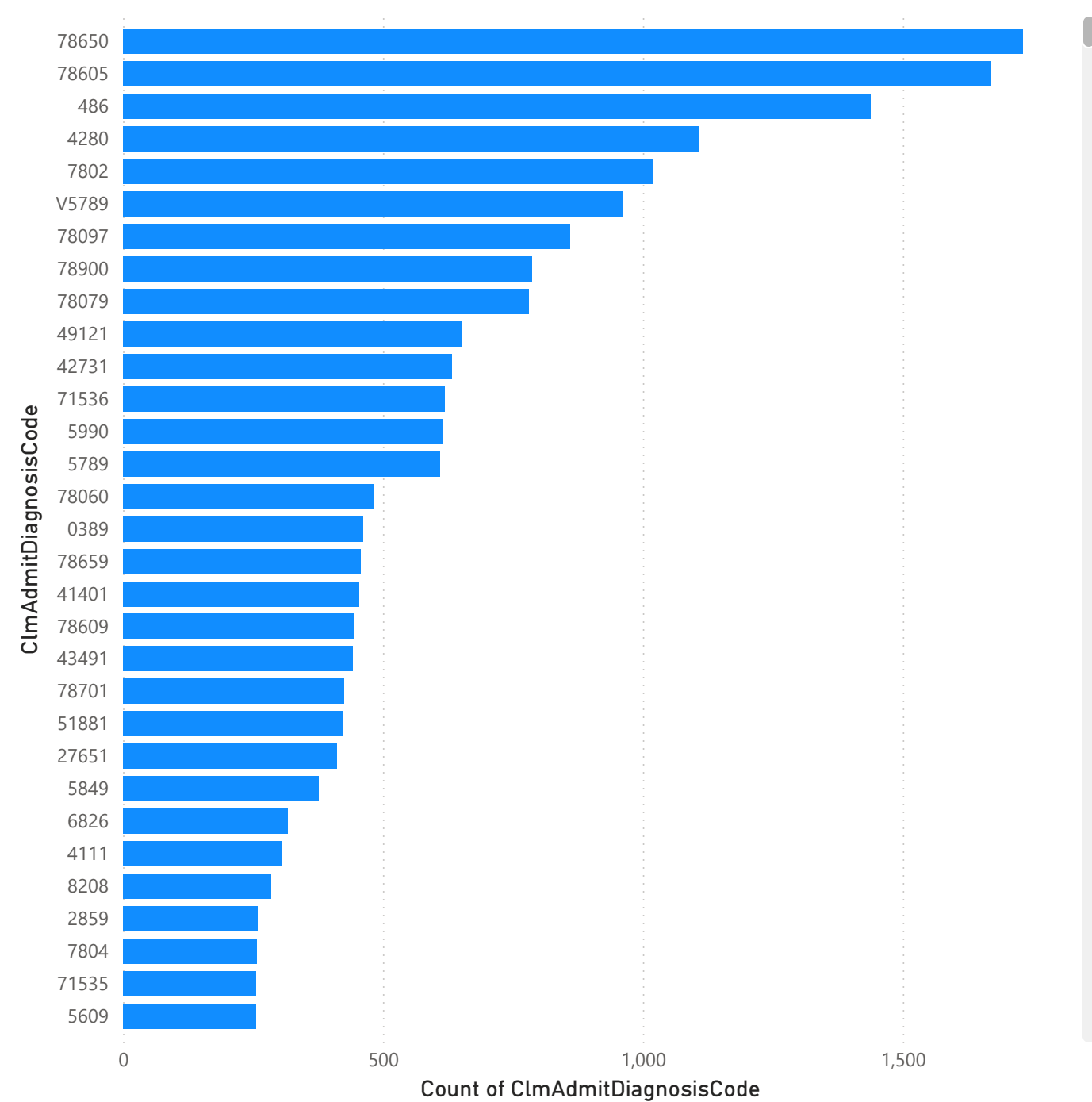
relationship between hospitalization duration and the average amount claimed for reimbursement



hospitalization duration



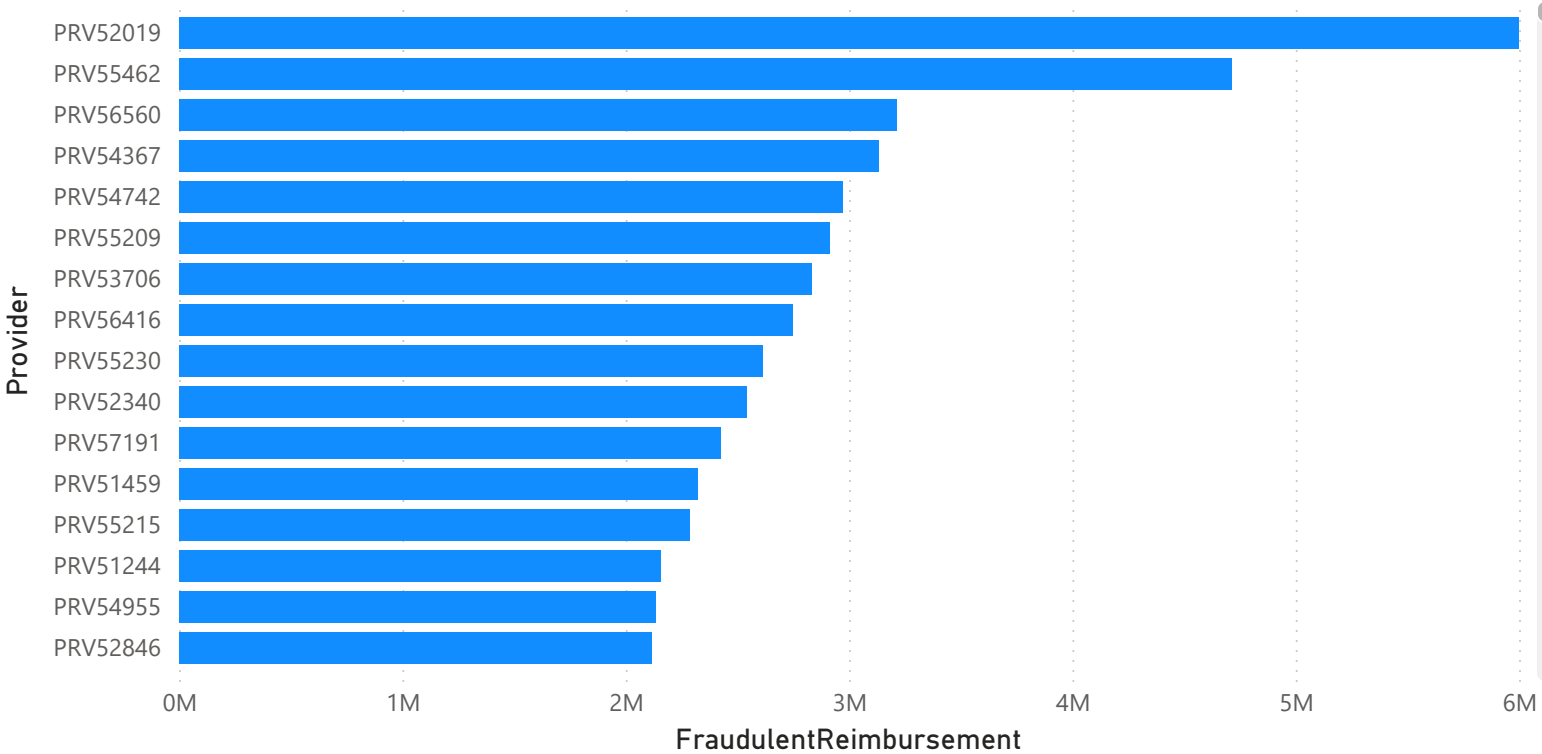
Count of ClmAdmitDiagnosisCode by ClmAdmitDiagnosisCode



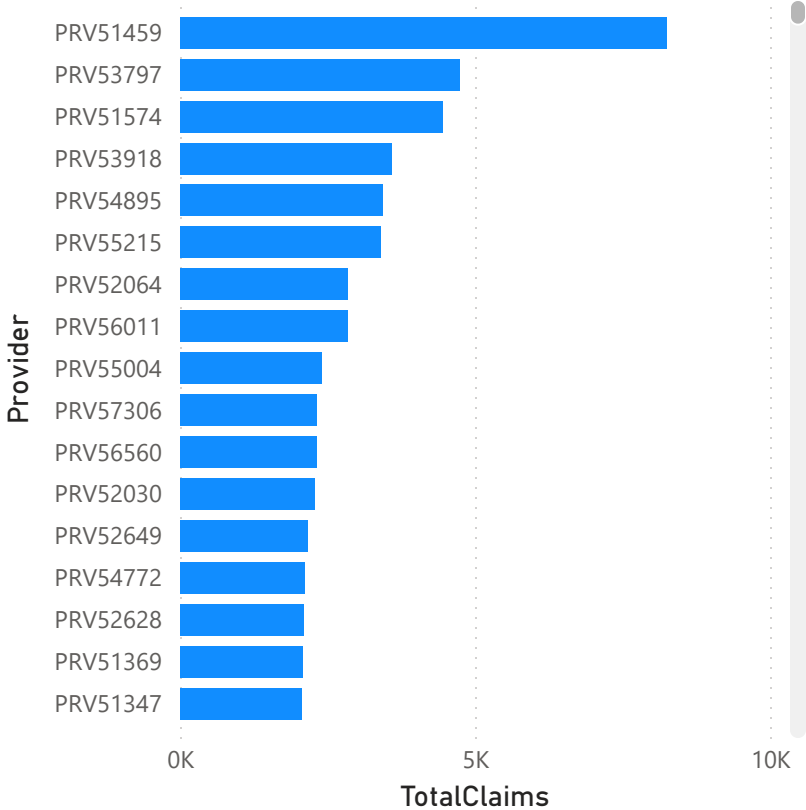
PercentageFraudulent

9.35

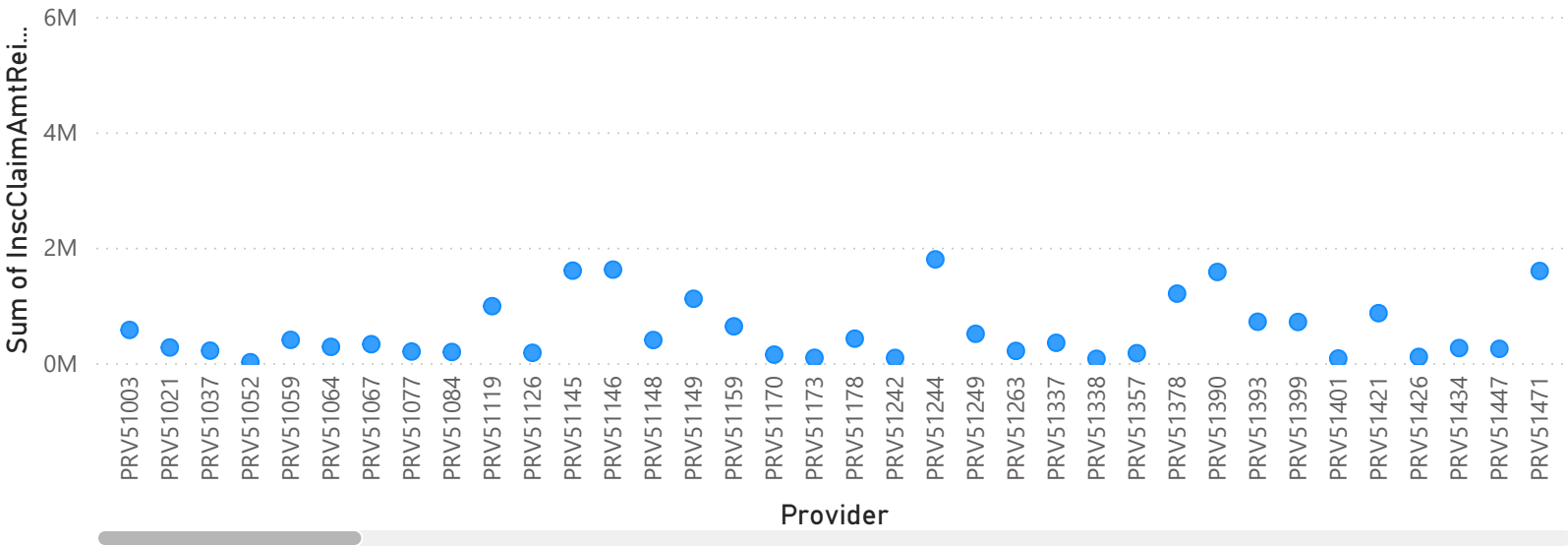
FraudulentReimbursement by Provider



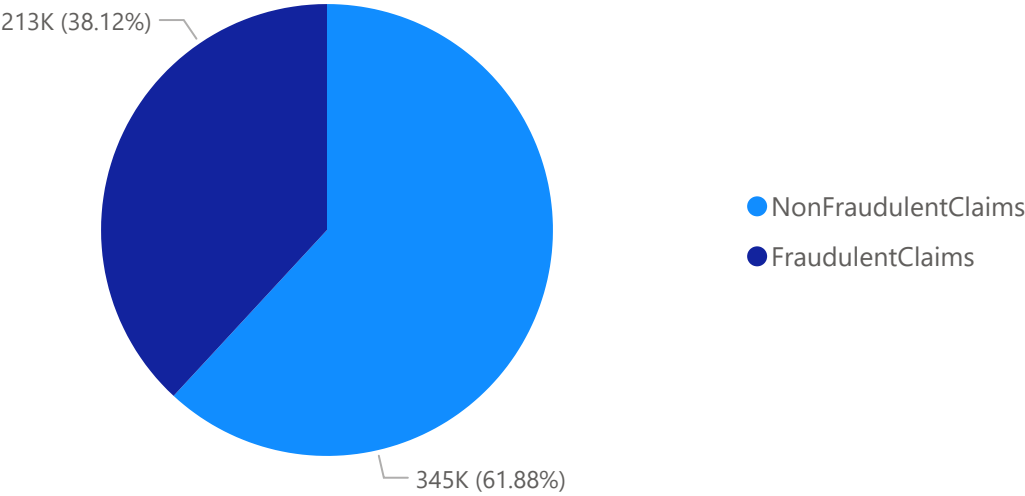
TotalClaims by Provider



Sum of InscClaimAmtReimbursed by Provider



NonFraudulentClaims and FraudulentClaims

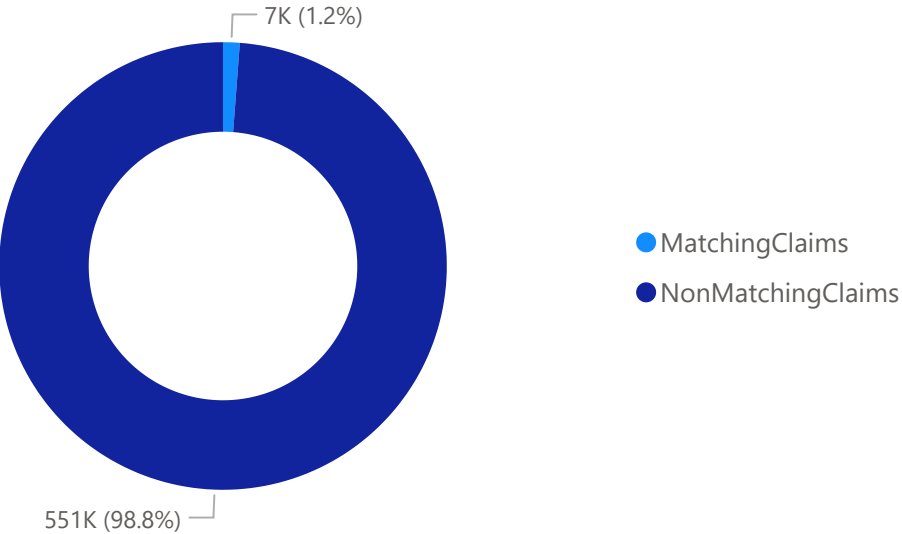


1.20
PercentageMatchingClaims

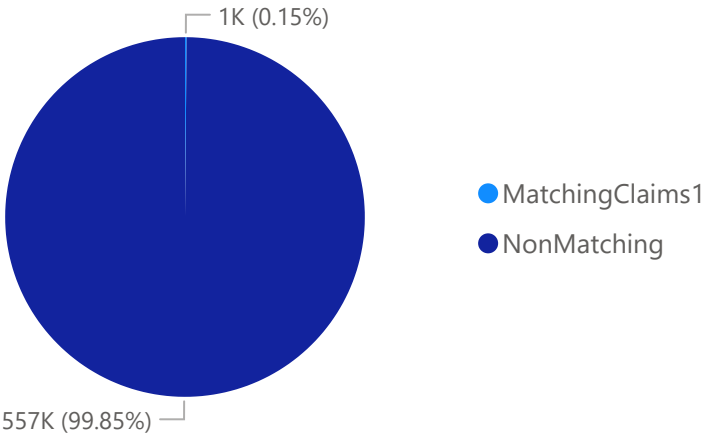
0.15
PercentageMatchingClaims1

0.06
PercentageMatchingClaims2

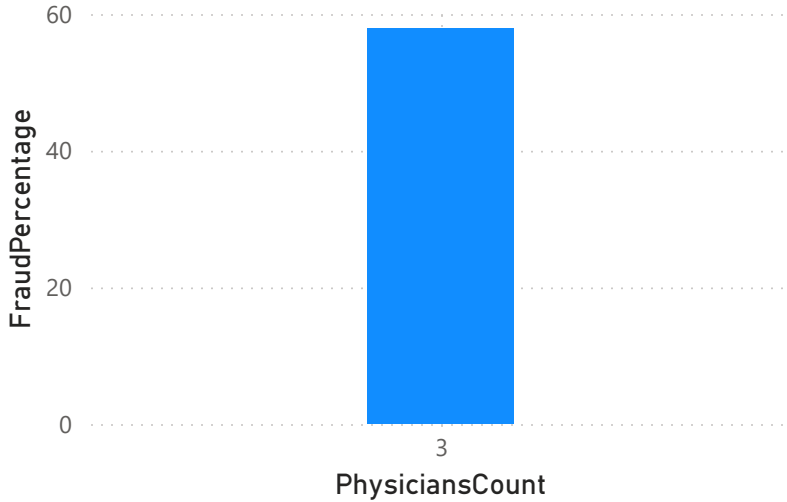
MatchingClaims and NonMatchingClaims



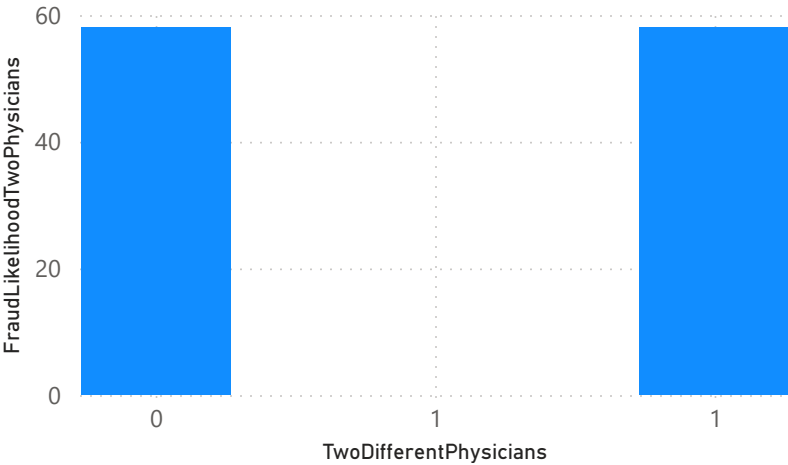
MatchingClaims1 and NonMatching



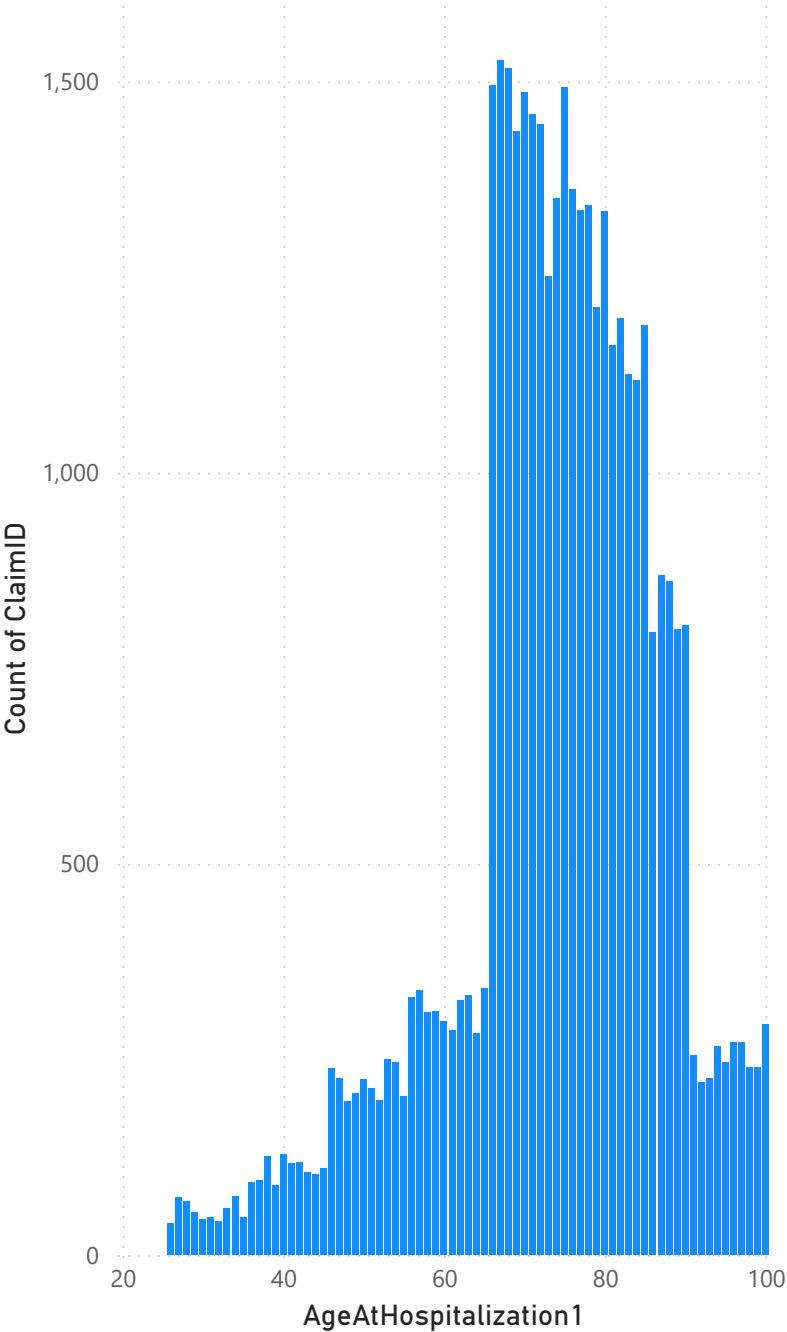
FraudPercentage by PhysiciansCount



FraudLikelihoodTwoPhysicians by TwoDifferentPhysicians



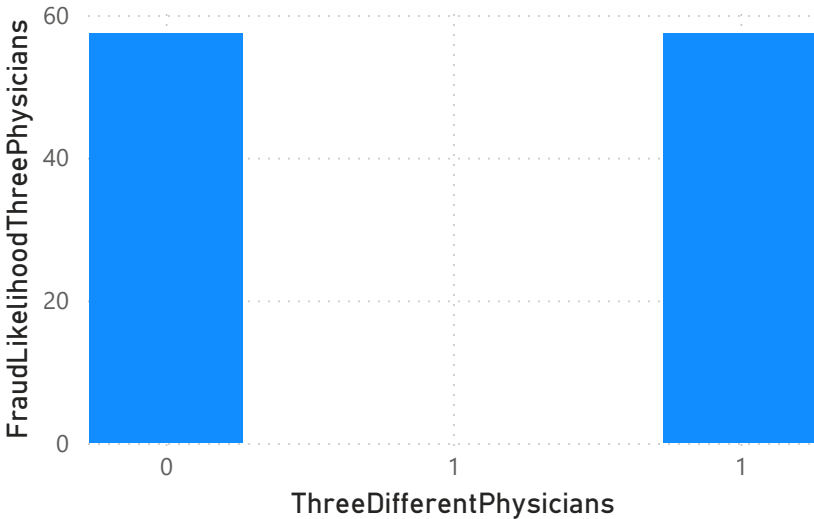
Count of ClaimID by AgeAtHospitalization1



FraudLikelihoodTwoPhysicians

57.95

FraudLikelihoodThreePhysicians by ThreeDifferentPhysicians

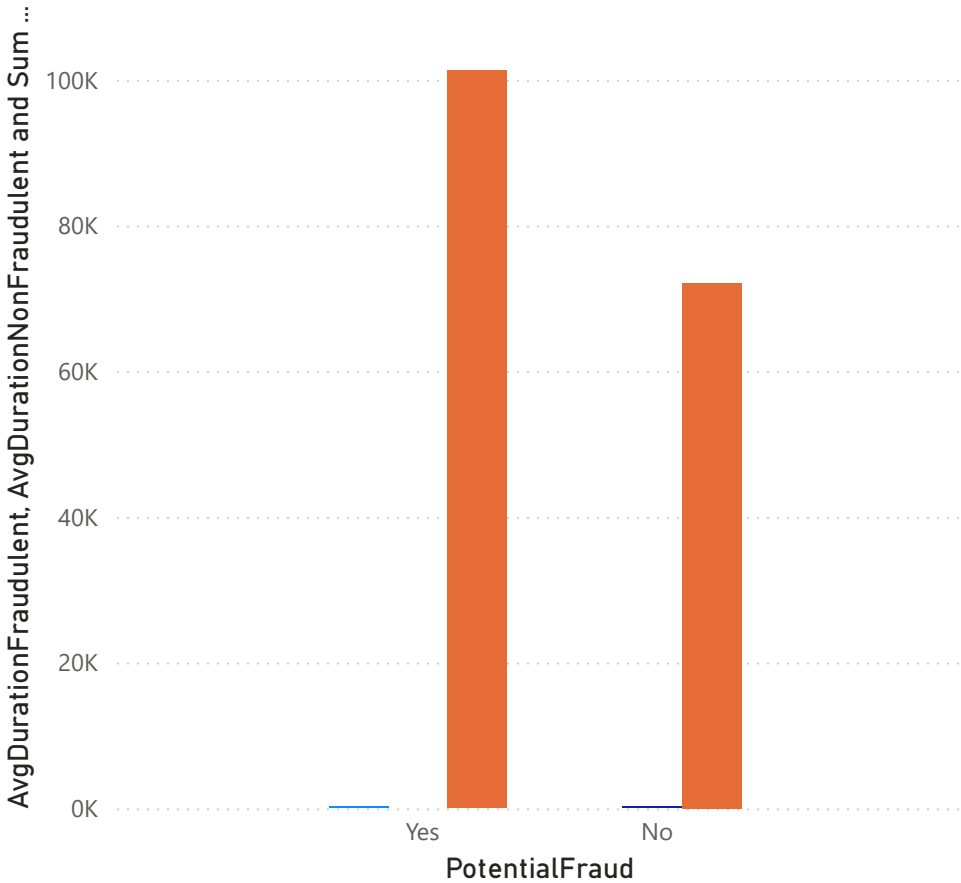


FraudLikelihoodThreePhysicians

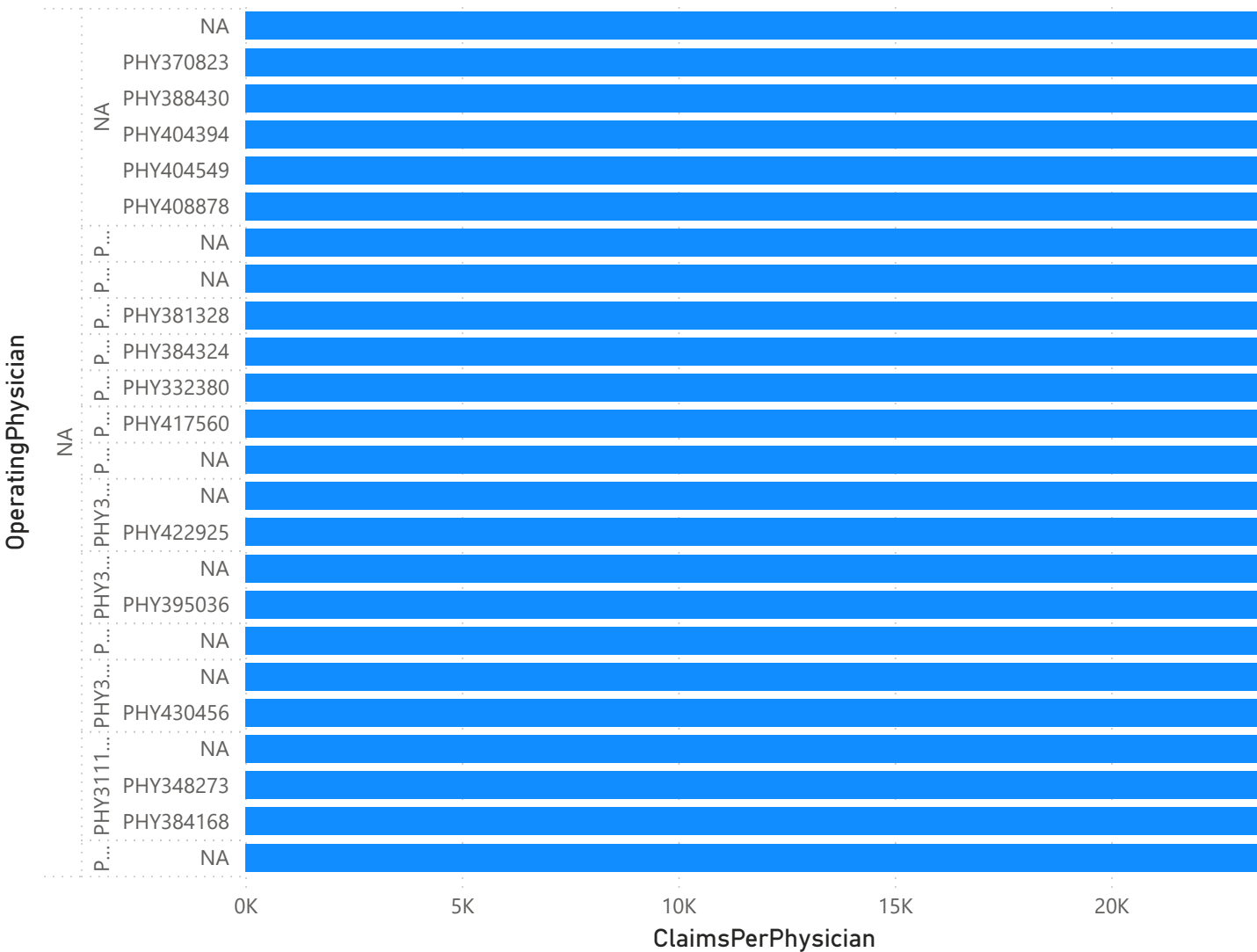
57.39

AvgDurationFraudulent, AvgDurationNonFraudulent and Sum of HospitalizationDuration1 by PotentialFraud

AvgDurationFraudulent AvgDurationNonFraudulent Sum of Hospitalizat...



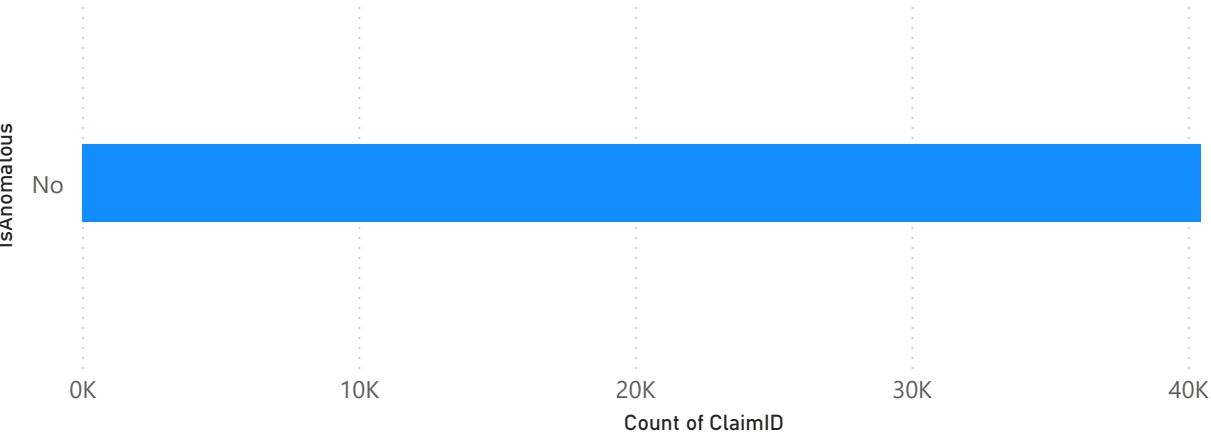
ClaimsPerPhysician by OtherPhysician, AttendingPhysician and OperatingPhysician



Count of AttendingPhysician	Count of OperatingPhysician	Count of OtherPhysician	ClaimsPerPhysician
19804	19804	19804	23402

Count of IsAnomalous	ClaimID	Sum of InscClaimAmtReimbursed
1	CLM31001	10000
1	CLM31004	51000
1	CLM31005	56000
1	CLM31006	18000
1	CLM31007	0
1	CLM31008	7000
40474		408297020

Count of ClaimID by IsAnomalous

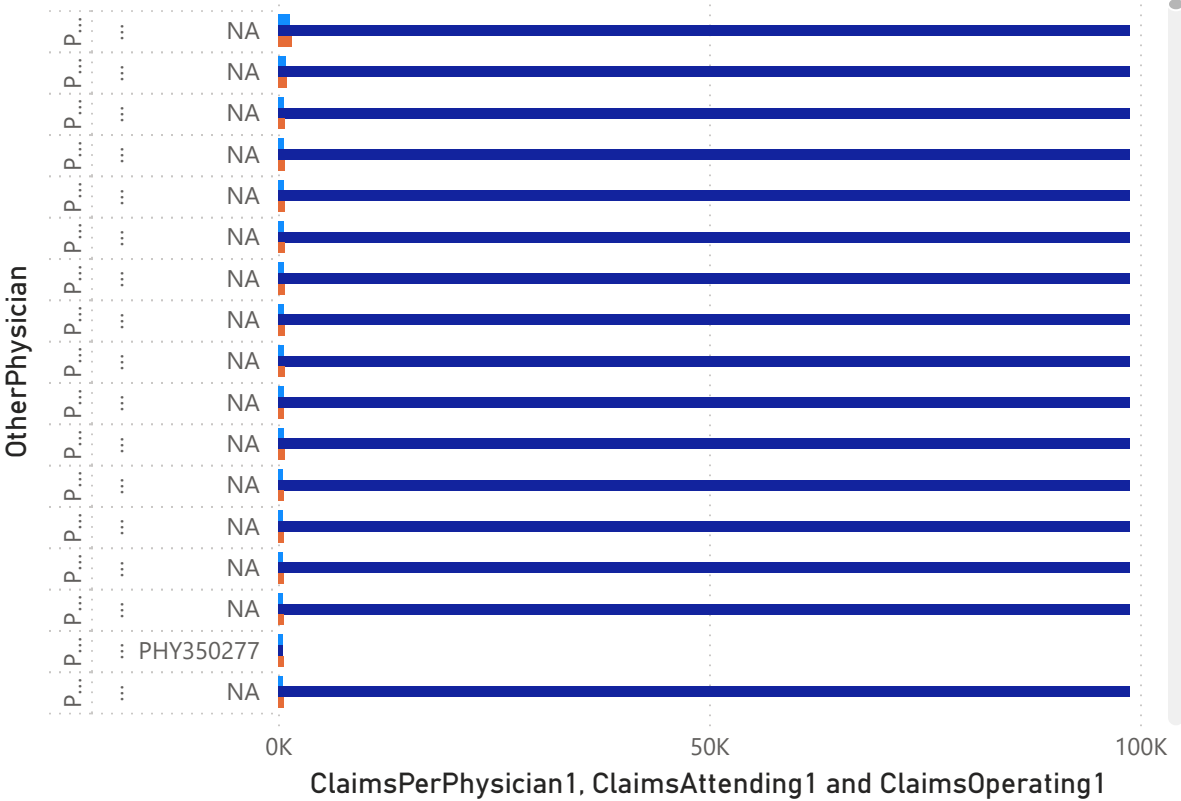


physician is associated with the highest number of claims made with respect to out-patients data and linked to "potentially" fraudulent providers

AttendingPhysician	OperatingPhysician	OtherPhysician
NA	NA	NA
NA	NA	PHY313278
NA	NA	PHY337425
NA	NA	PHY374848
NA	NA	PHY412500
NA	NA	PHY418133
NA	PHY348103	NA

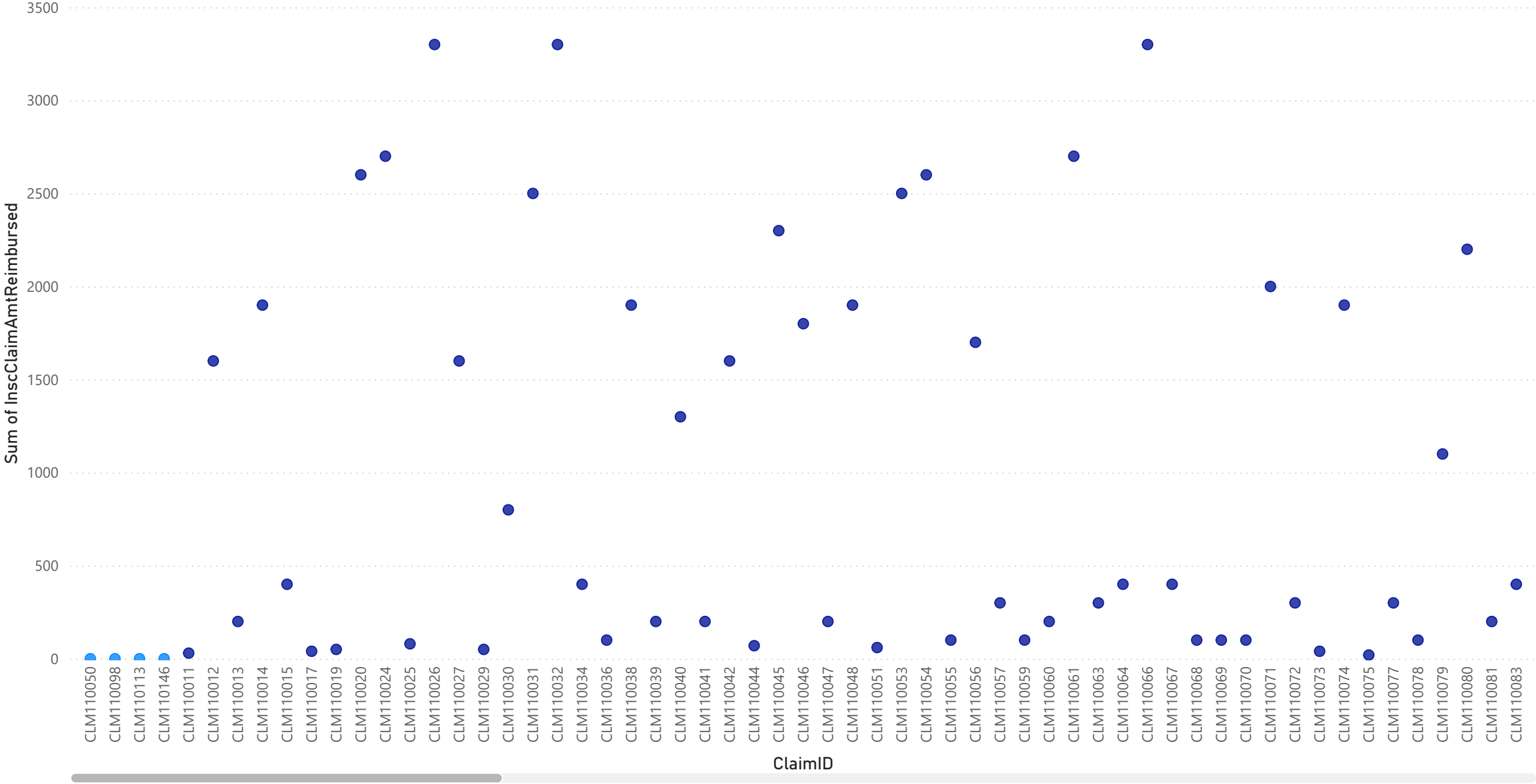
ClaimsPerPhysician1, ClaimsAttending1 and ClaimsOperating1 by AttendingPhysician, OperatingPhysician and OtherPhysician

ClaimsPerPhysician1 ClaimsAttending1 ClaimsOperating1

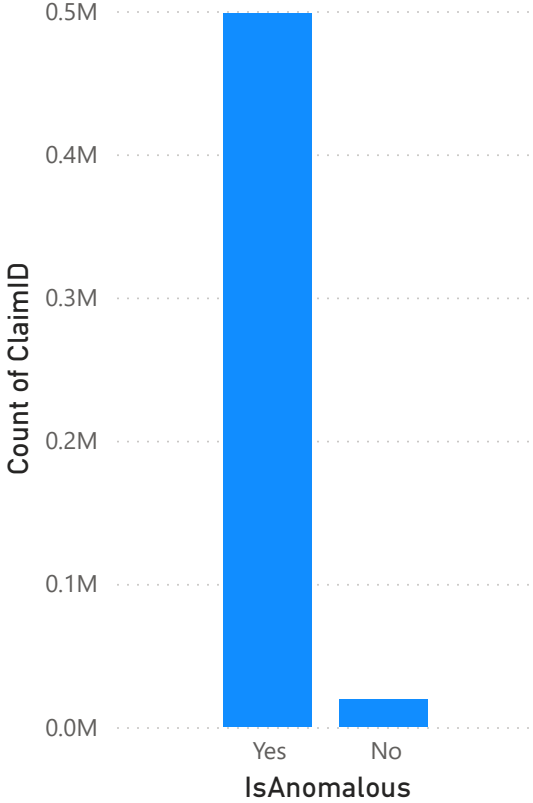


anomalous amount in the reimbursement claim filed by beneficiaries with respect to out-patients data

IsAnomalous ● No ● Yes



Count of ClaimID by IsAnomalous



IsAnomalous	ClaimID	Sum of InscClaimAmtReimbursed
No	CLM110050	0
No	CLM110098	0
No	CLM110113	0
No	CLM110146	0
No	CLM110324	0
No	CLM110355	0
No	CLM110404	0
No	CLM110463	0
No	CLM110495	0
No	CLM110496	0
No	CLM110526	0
No	CLM110676	0
No	CLM110683	0
No	CLM110782	0
No	CLM110791	0
No	CLM110833	0
No	CLM110971	0
No	CLM110983	0
No	CLM110985	0
No	CLM110986	0
No	CLM111004	0
No	CLM111052	0
No	CLM111053	0
No	CLM111078	0
No	CLM111093	0
No	CLM111200	0
No	CLM111296	0
Total		148246120