The Hidden Costs of a Flawed Medicare Auction Peter Cramton¹ 20 January 2012

Summary

In the fall of 2010, 167 auction experts from top universities around the country sent a letter to Congress expressing concern regarding the Centers for Medicare and Medicaid Services (CMS) planned implementation of the durable medical equipment (DME) competitive bidding program which was scheduled to be begin in nine cities beginning January 2011. In June of 2011, 244 economists, computer scientists, and engineers from top universities across the country, including four Nobel laureates, wrote the White House warning that continued implementation of the current CMS competitive bidding program would lead to market failure and thereby deny seniors access to this critical health care benefit while increasing health care costs. Pursuant to a Freedom of Information Request (FOIA), CMS has now released startling new data which demonstrates how destructive the current competitive bidding program was in its first year of implementation. The following is an analysis of this recently released data and recommendations of how Congress can address these problems before the program is expanded to 91 cities across the country.

In January 2011 in the nine pilot cities, CMS began procuring DME products from the auction winners (contract suppliers) at prices determined in the Round 1 Rebid auction. The auction led to sharp reductions in the number of suppliers and in the prices paid to suppliers. As a result of the auction, most Medicare beneficiaries in the pilot regions had to find new suppliers. Both theory and experiment predict that the flawed auction design would lead to unsustainably low prices and the elimination of efficient suppliers. As a result, Medicare beneficiaries would have a difficult time finding a quality supplier and program utilization would decline. For example, suppliers facing below-cost reimbursements may engage in selective fulfillment, may be out of stock, or may go out of business. Judging from the large reduction in claims following enactment of the program, it appears that program utilization indeed did drop substantially in the pilot regions.

Recent CMS data show the implication of the decline in utilization: higher risk of death, higher frequency of ER visits and hospitalization, and longer hospital stays. These results suggest that the cost savings in Medicare DME are dwarfed by the much higher costs to Medicare coming from increased hospital care. Essentially the flawed auction program is substituting low-cost DME expenses with high-cost hospital care. In contrast, an auction recommended by experts that selects the efficient suppliers and pays least-cost sustainable prices will reduce Medicare total costs and avoid expensive cost shifting from low-cost services to high-cost services. Congress and CMS should stop the implementation of the Round 1 Rebid and move quickly to address the auction design flaws before the program is scaled up to the entire nation. An auction properly designed by experts would avoid the flaws observed today.

¹ Professor of Economics, University of Maryland. My research on Medicare auctions is available at www.cramton.umd.edu/papers/health-care. I thank Thomas Milam and Pacharasut Sujarittanonta for their assistance with this research. I thank the National Science Foundation for support.

Analysis

This paper provides an analysis of the Medicare auction for durable medical equipment using data on claims and outcomes following the start of auction-determined supply contracts. The pilot auction, referred to as the Round 1 Rebid, covered nine product categories in nine cities. It was held in November 2009, winners were announced in November 2010, and the supply contracts began on 1 January 2011. Understanding the impact of the pilot auction is important as CMS intends to extend the approach to the entire country in future years.

The analysis is based on four data sources.

The first data source is the <u>Contract Supplier lists</u> (the winners in the auction), which CMS released to the public in November 2010, nearly one year after the bids were submitted. Revised lists were posted periodically in 2011 as businesses went out of business or were sold. I use the revised list of 2 December 2011 as the contract suppliers in 2011. This consists of nine pdf files, one for each region in the auction, listing the name, address, and phone number of each of the suppliers that signed contracts with CMS to supply at the prices determined in the Round 1 Rebid in the particular region and product category. Any supplier not on the list is excluded from supplying the product category in the region.²

The second data source is the PDAC procedure code utilization data, which I received from PDAC on 13 June 2011, as FOIA ad hoc report 35669. From this I extract the Medicare claims for each product category in each of the nine regions for 2006 to 2010.

From these two data sources, an earlier study (Cramton 2011b) showed how the auction had a dramatic transformative effect. The set of contract suppliers was sharply reduced in number. Often the auction removed many of the largest providers from the market. As a result, for the regions and product categories auctioned, the vast majority of Medicare beneficiaries need to find a new supplier.

To get a sense of the difficulties in transitioning to a new supplier, I use two additional data sources.

The first is the PDAC procedure code utilization data, which I received from PDAC on 7 December 2011, as FOIA ad hoc report 16066009. This included the Medicare claims for each product category in each of the nine regions from 1 January 2011 to 23 September 2011. The claims are coded by date of service to assure that all claims are under the terms of the auction pilot.

The second data source is from CMS public access files, www.cms.gov/DMEPOSCompetitiveBid/01A3 Monitoring.asp. The data show the health outcomes for those utilizing the Medicare equipment and for those who do not. In this way we can measure the changes in health outcomes as a result of any decline in utilization.

The analysis shows for each product category the number of suppliers by year from 2006 to 2011. It then shows the number of suppliers for each region and product category. I also show the number of

² Some categories allow Medicare beneficiaries to continue with their current suppliers for a transitional period under a grandfathering clause.

submitted claims by year. Finally, I show the change in health outcomes in 2011 (through September) for those utilizing the Medicare equipment and those who do not.

Not surprisingly, the analysis in the following figures shows a dramatic reduction in suppliers in 2011 as a result of the Medicare auction. However, what is surprising is the substantial reduction in Medicare DME submitted claims in 2011. To make the data comparable across years and recognizing that the 2011 submitted claims data is only through 23 September 2011, I scale up the number of 2011 submitted claims by 365/266.³ In all cases we see a sharp reduction in submitted claims in 2011.

The drop in submitted claims together with the decline in Medicare prices means an even larger drop in Medicare DME reimbursements—an apparent program savings. However, we must recognize that utilization of the Medicare DME program has important health benefits and serves to reduce Medicare expenses in other programs. These benefits from utilization are lost if utilization declines, as must be the case given the substantial drop in claims.

Indeed, the CMS data through September 2011 show the impact of declines in utilization of Medicare DME. In all cases, the result is a higher risk of death, a higher frequency of ER visits and hospitalization, and longer hospital stays. Since the costs of ER and hospital visits are several orders of magnitude higher than the Medicare DME costs, it seems clear that these hidden costs of the pilot auction system increase overall Medicare costs despite the Medicare DME savings.

The decline in Medicare DME utilization would appear to be the result of the flawed auction design. The approach leads to the elimination of efficient providers and to prices that are below costs. Cramton et al. (2011) use auction theory to demonstrate the exceptionally poor performance characteristics of the CMS auction design. Merlob et al. (2011) shows that these theoretic problems with the CMS auction design are observed in a dramatic fashion in the experimental laboratory. As a result, Medicare beneficiaries find it increasingly difficult to secure the quality supplies they need. More beneficiaries end up in the emergency room or the hospital at much greater cost to CMS and the American taxpayer.

In contrast, an efficient auction would identify the efficient providers and sustainable market prices. The selected providers would have strong incentives to provide quality Medicare equipment and utilization would not fall.

The results presented here are consistent with the Medicare auction problems discussed in Cramton and Katzman (2010b). These problems were brought to the attention of Congress and CMS in the "Letter from 167 Concerned Auction Experts on Medicare Competitive Bidding Program." A follow-up "Letter from 244 Concerned Auction Experts on the Medicare Competitive Bidding Program" was sent to President Obama on 17 June 2011.

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³ If there is a lag between the date of service and the date of receipt by CMS, then I would be underreporting 2011 claims by the length of the lag. For example, if the average lag between date of service and receipt by CMS is 30 days, then I should scale up claims by 365/(266 - 30) = 365/236. The size of the reductions in claims is so large that it seems implausible that this could be the result of long lags in the receipt of claims.

Conclusion

Although the evidence from the field is still preliminary, the analysis of the data presented here suggests that the flaws identified in theory, experiment, and practice, are very much present in the pilot. Congress and CMS should move quickly to stop the implementation of the Round 1 Rebid and move to design and implement an efficient auction for durable medical equipment. The draft proposal presented in Cramton (2011a) provides a useful starting point. Failure to act will result in needless harm to millions of Medicare beneficiaries and thousands of Medicare suppliers. Taxpayers, rather than seeing net cost reductions as with an efficient auction, will see substantial cost increases as Medicare costs simply shift to higher cost programs.

References

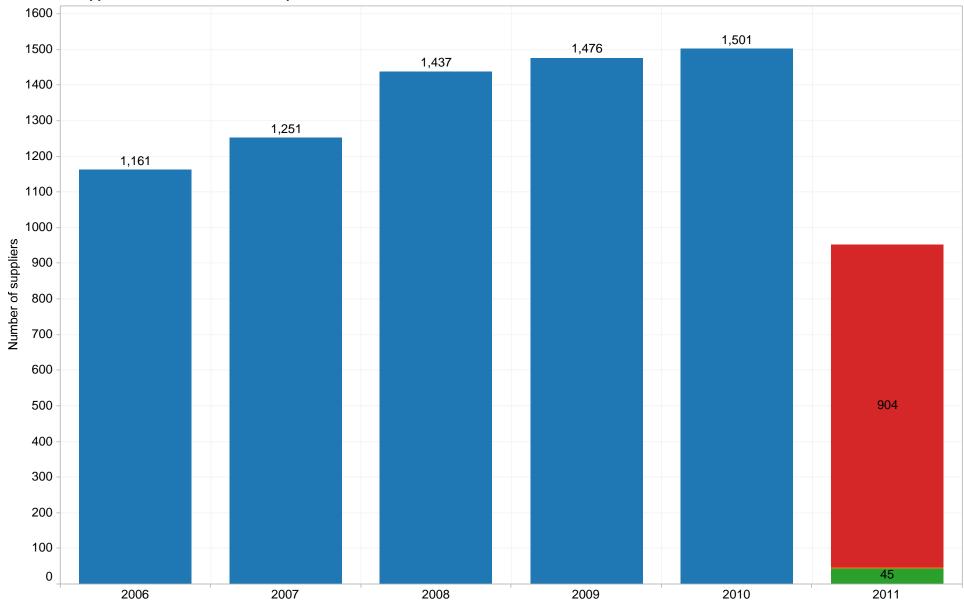
- Cramton, Peter (2011a), <u>"Auction Design for Medicare Durable Medical Equipment,"</u> Working Paper, University of Maryland, March 2011.
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- <u>"Letter from 167 Concerned Auction Experts on Medicare Competitive Bidding Program"</u> to Chairman Stark, Health Subcommittee, Ways and Means, U.S. House of Representatives, 26 September 2010.
- "Letter from 244 Concerned Auction Experts on the Medicare Competitive Bidding Program" to President Obama, the White House, 17 June 2011.
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Figures

The figures presenting the analysis follow in three sets:

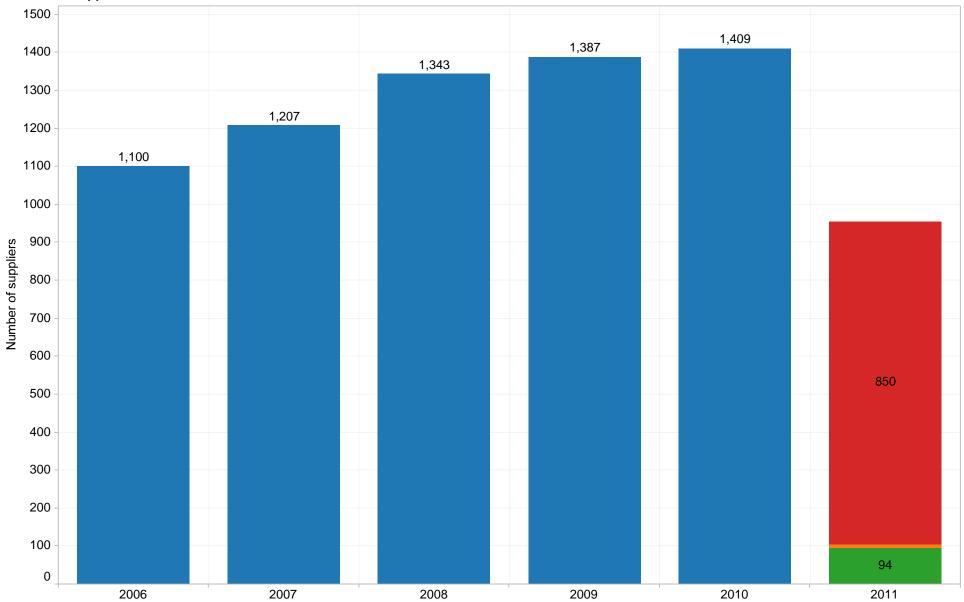
- The number of suppliers from 2006 to 2011. This shows the substantial drop in the number of suppliers in each product category as a result of the competitive bidding program (in year 2011).
 The number of suppliers is then shown for each product category and competitive bidding area.
 This shows that the reduction in 2011 is seen in each competitive bidding area.
- 2. The number of submitted claims from 2006 to 2011. This shows the substantial drop in the number of submitted claims in each product category and competitive bidding area as a result of the competitive bidding program.
- 3. The health outcomes in 2011 for those utilizing a particular DME product and those not utilizing the DME product. This shows the benefit of DME product utilization in terms of improved health outcomes, and shows the costs from non-utilization if access to the DME product is restricted.

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs



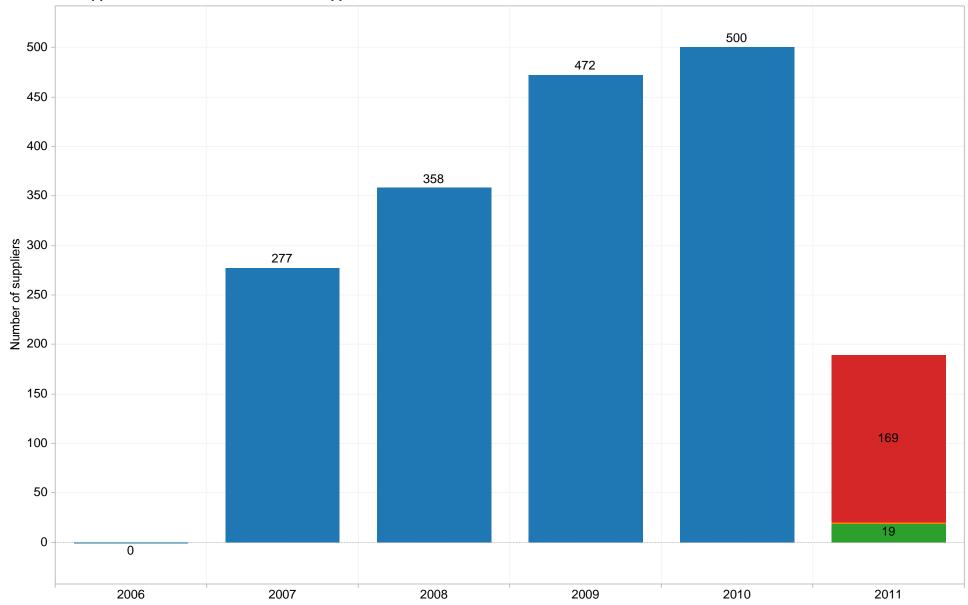
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- Contract supplier with claims submitted at least one CBA
- Has claims submitted in at least one CBA

Number of suppliers from 2006 to 2011: CPAP Devices



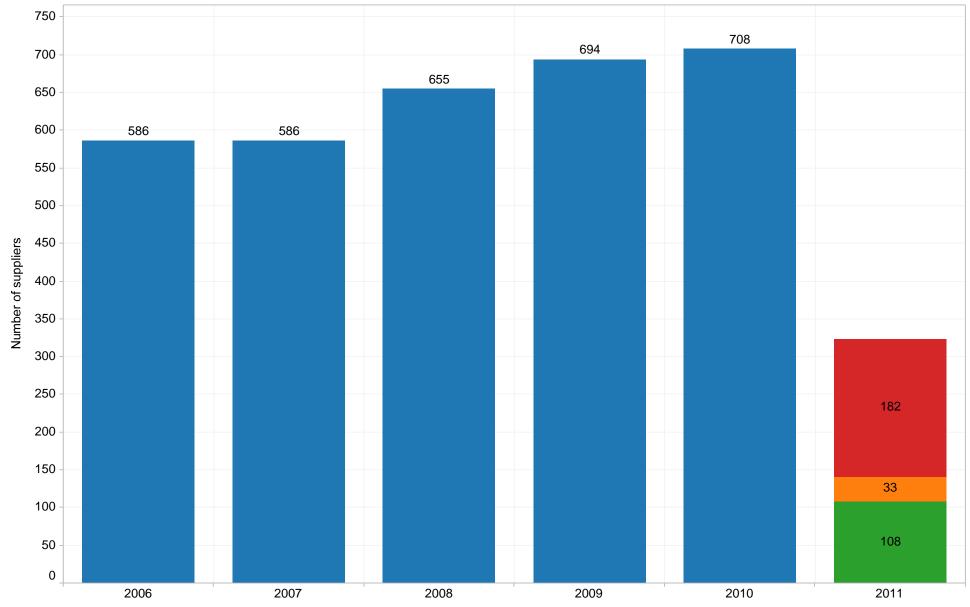
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Number of suppliers from 2006 to 2011: Diabetic Supplies



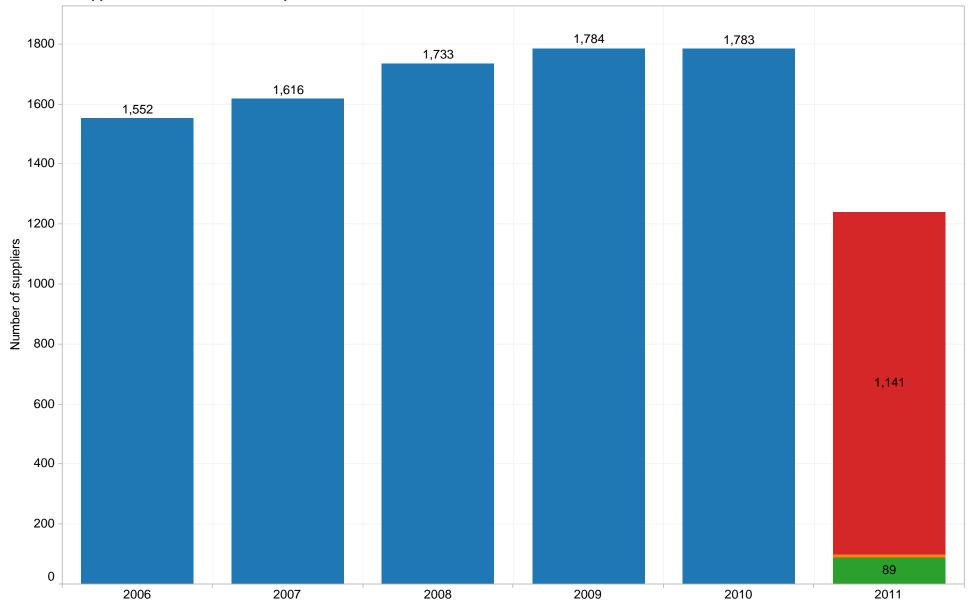
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Number of suppliers from 2006 to 2011: Enteral Nutrients



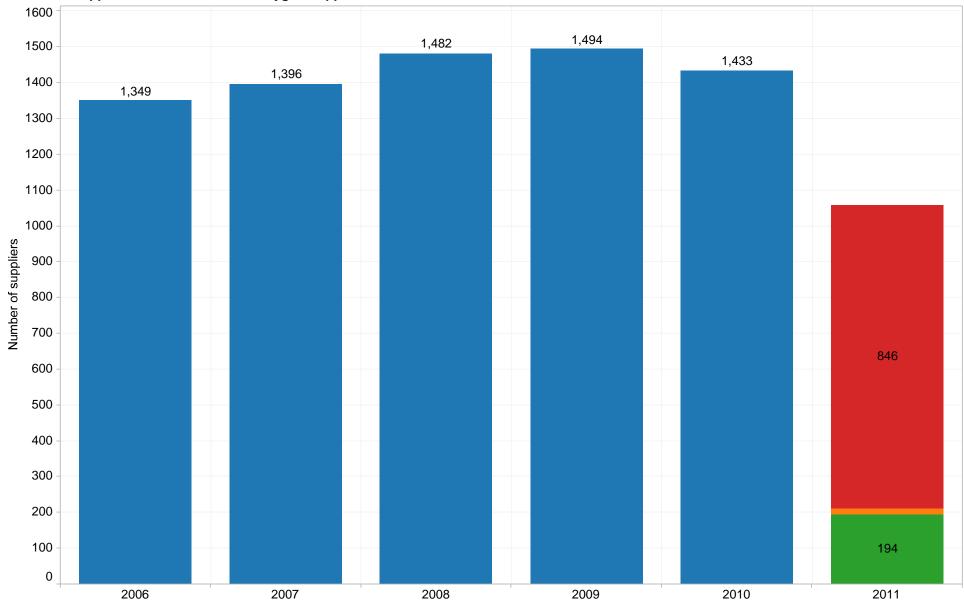
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- Has claims submitted in at least one CBA

Number of suppliers from 2006 to 2011: Hospital Beds



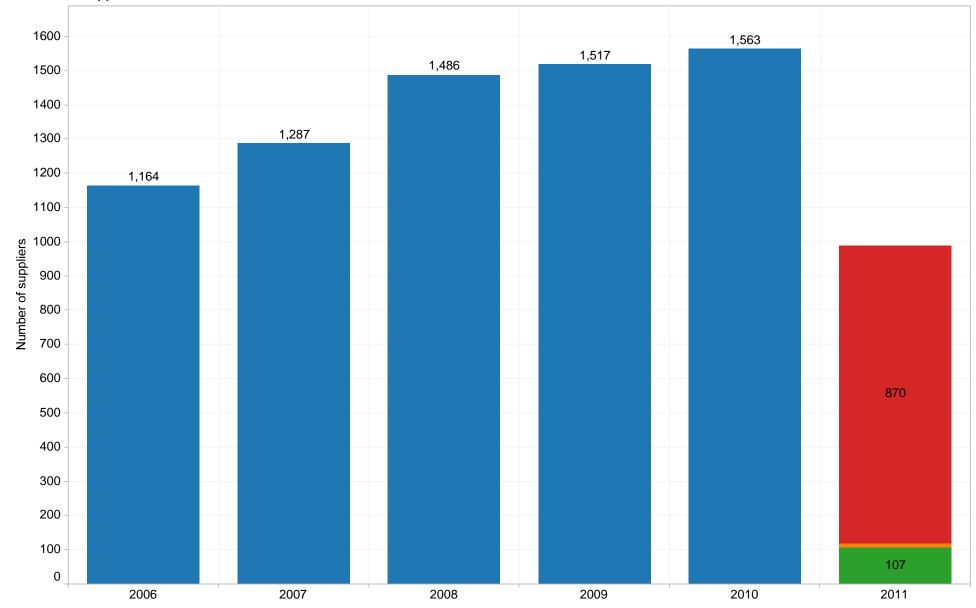
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- Has claims submitted in at least one CBA

Number of suppliers from 2006 to 2011: Oxygen Supplies



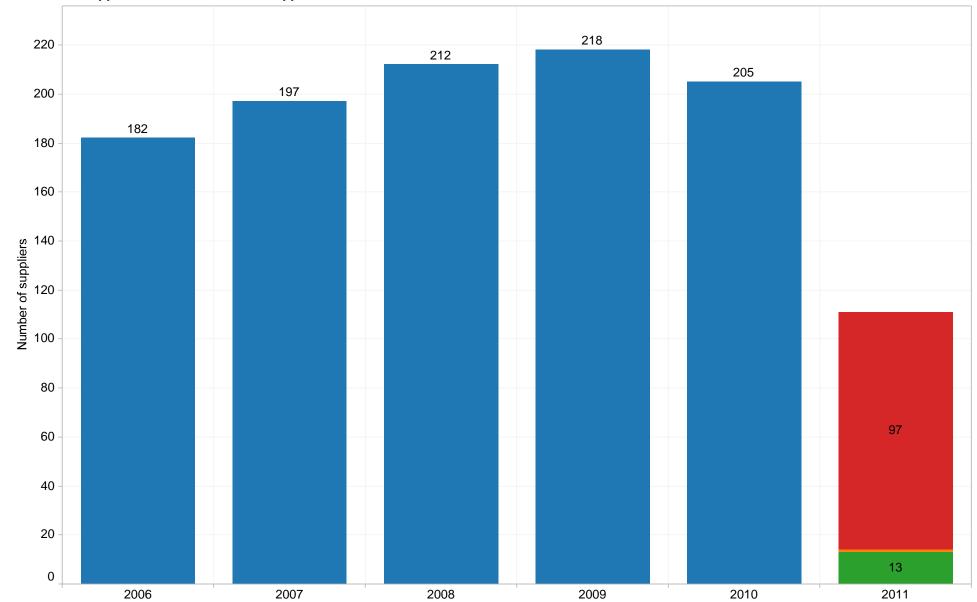
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- Contract supplier with claims submitted at least one CBA
- Has claims submitted in at least one CBA

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs



- Non-contract supplier with claims submitted in at least one CBA
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- Contract supplier with claims submitted at least one CBA
- Has claims submitted in at least one CBA

Number of suppliers from 2006 to 2011: Support Surfaces



Supplier type

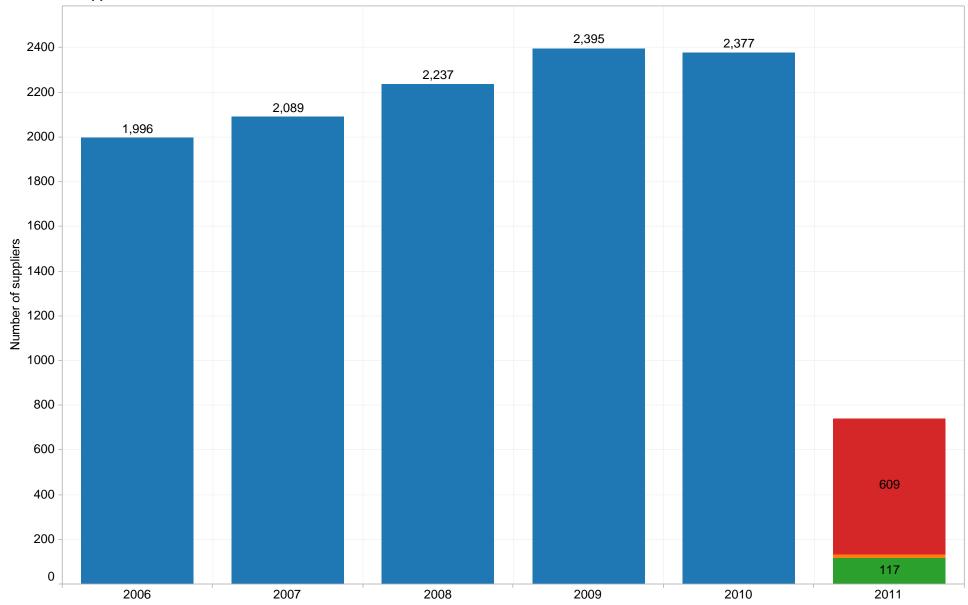
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Contract supplier with claims submitted at least one CBA

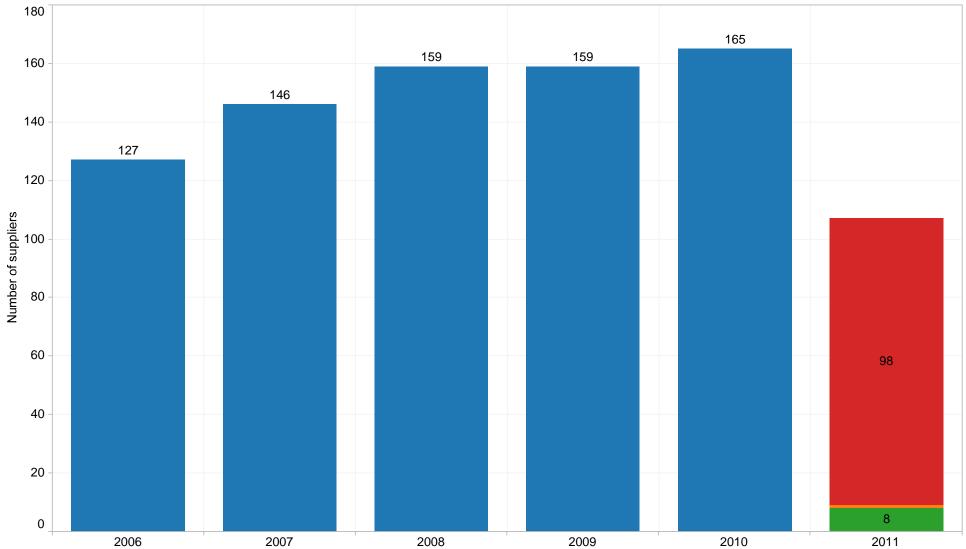
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Number of suppliers from 2006 to 2011: Walkers



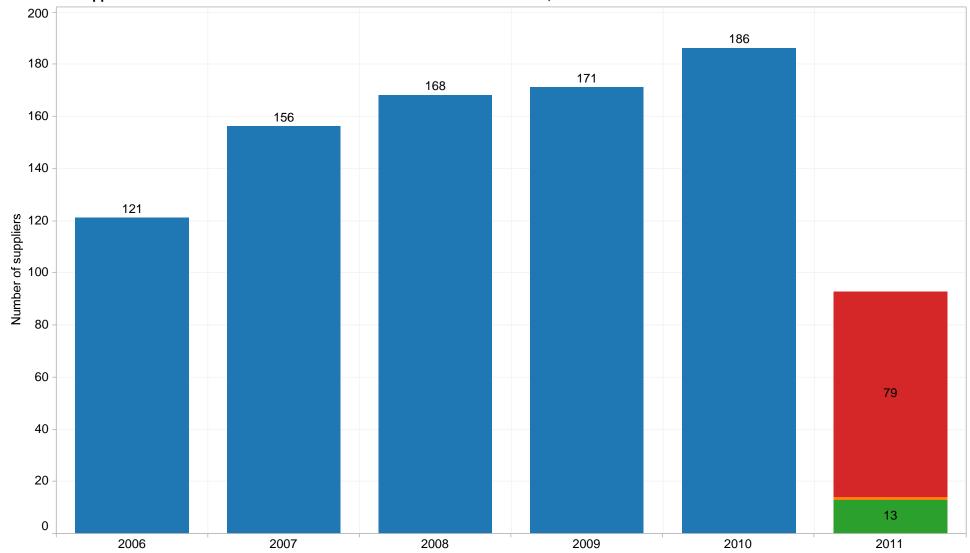
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- Contract supplier with claims submitted at least one CBA
- Has claims submitted in at least one CBA





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- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Charlotte-Gastonia-Concord, NC-SC



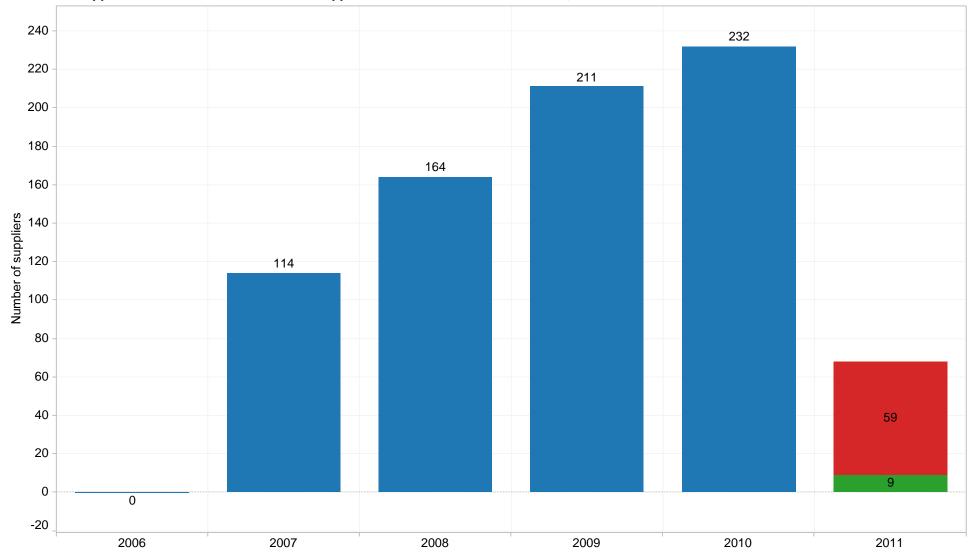
Supplier type

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■ Contract supplier with claims submitted

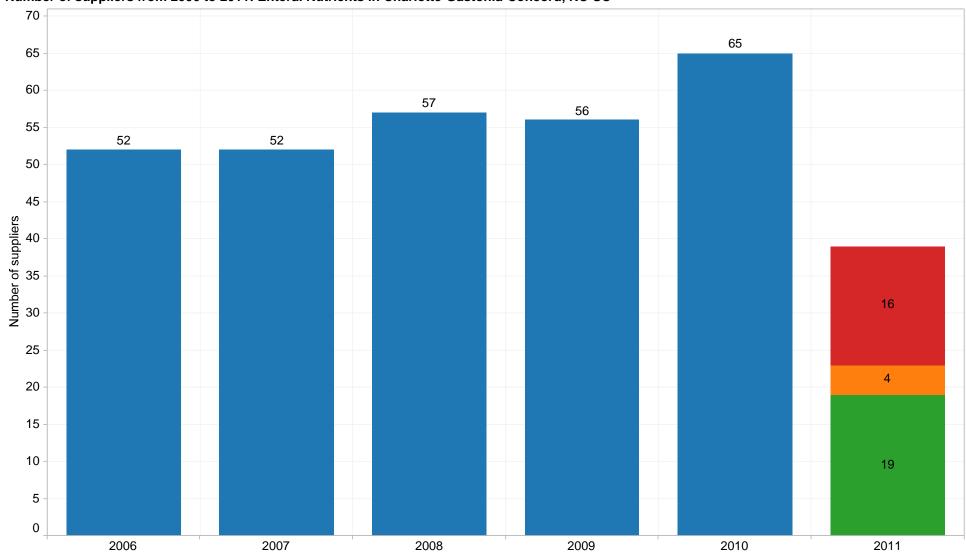
Number of suppliers from 2006 to 2011: Diabetic Supplies in Charlotte-Gastonia-Concord, NC-SC



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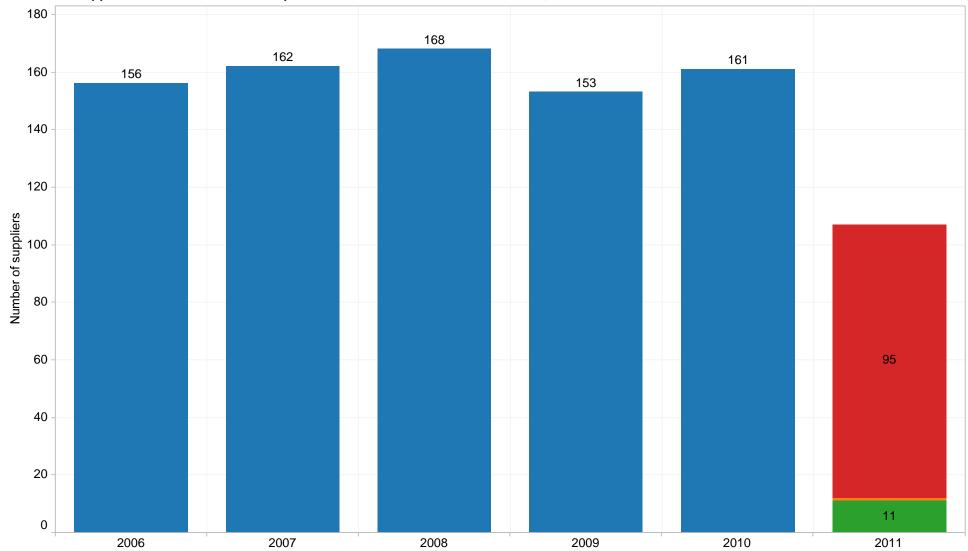
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- Has claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Charlotte-Gastonia-Concord, NC-SC



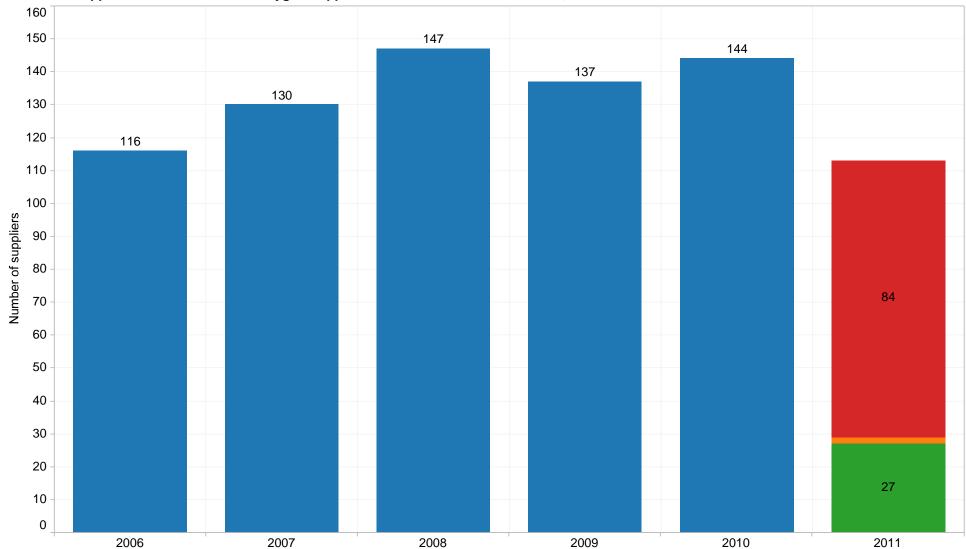
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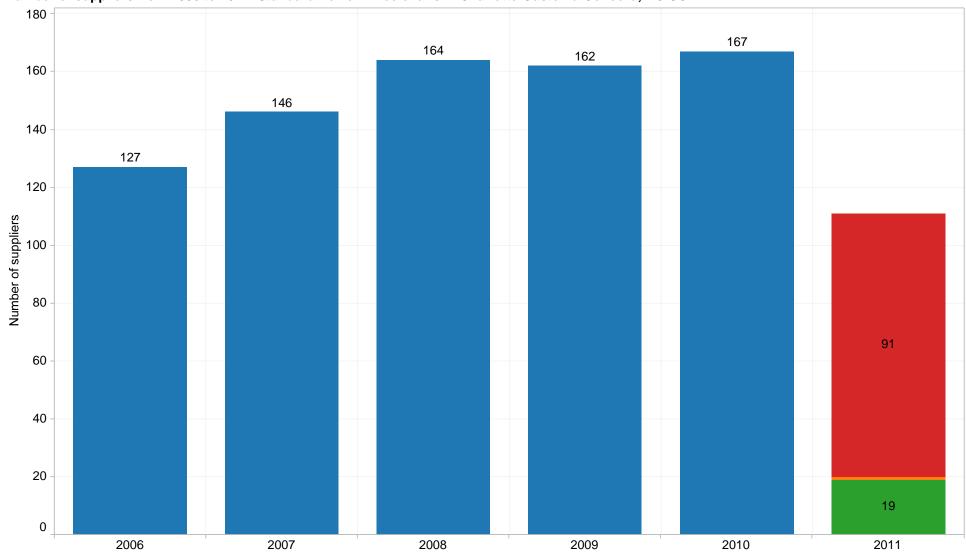
■ Contract supplier with claims submitted





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Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Charlotte-Gastonia-Concord, NC-SC



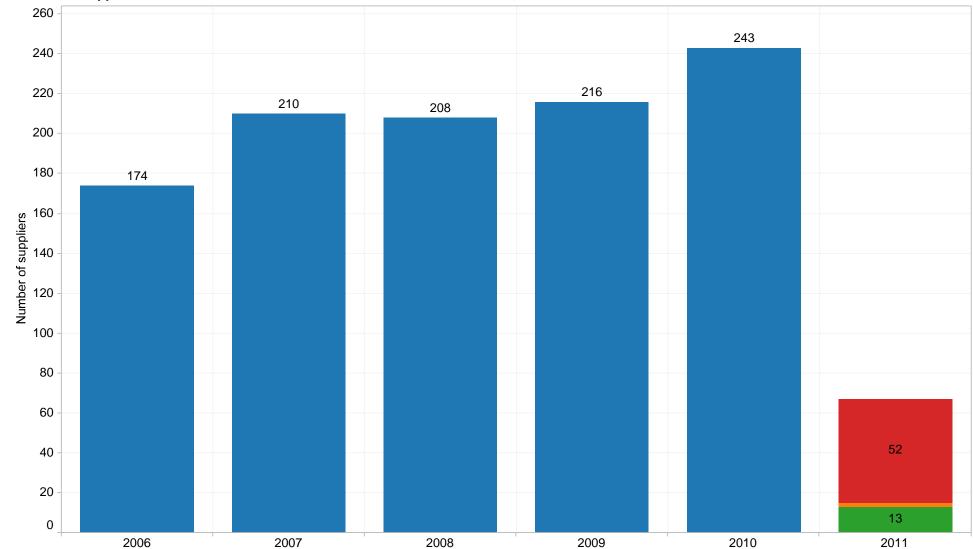
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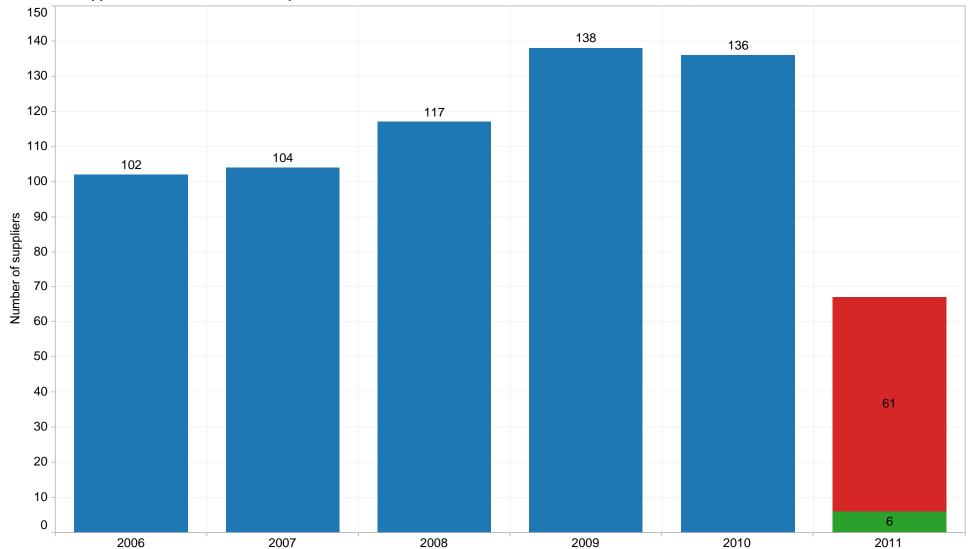
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Number of suppliers from 2006 to 2011: Walkers in Charlotte-Gastonia-Concord, NC-SC



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Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Cincinnati-Middletown, OH-KY-IN

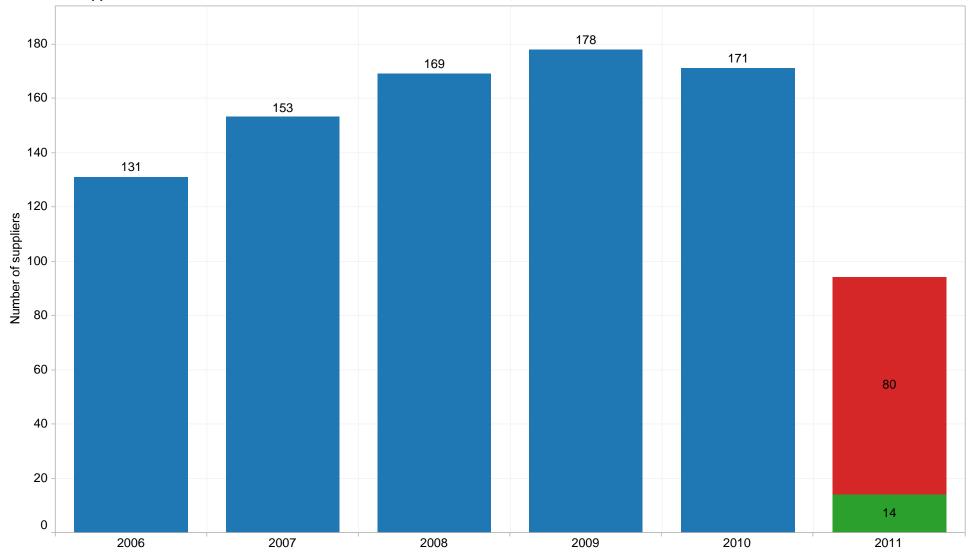


Supplier type

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Number of suppliers from 2006 to 2011: CPAP Devices in Cincinnati-Middletown, OH-KY-IN

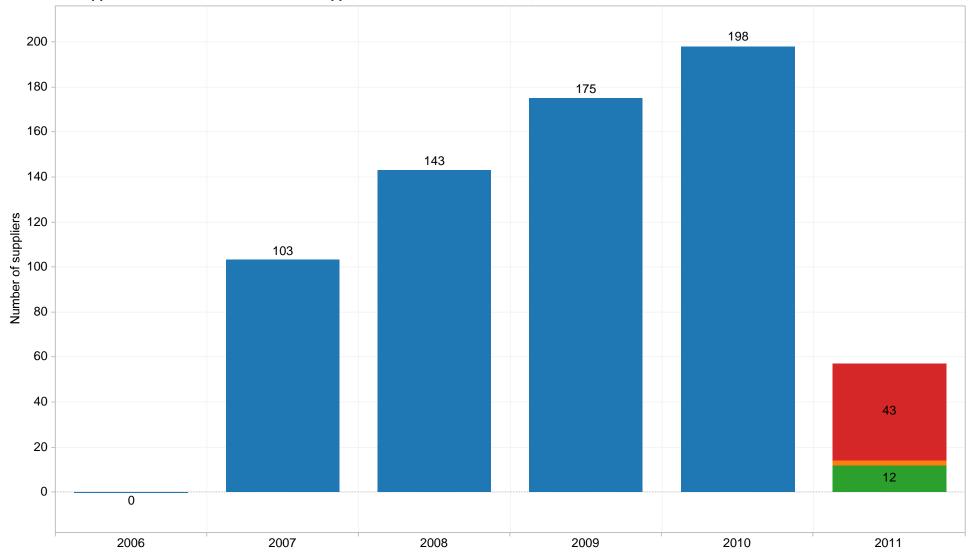


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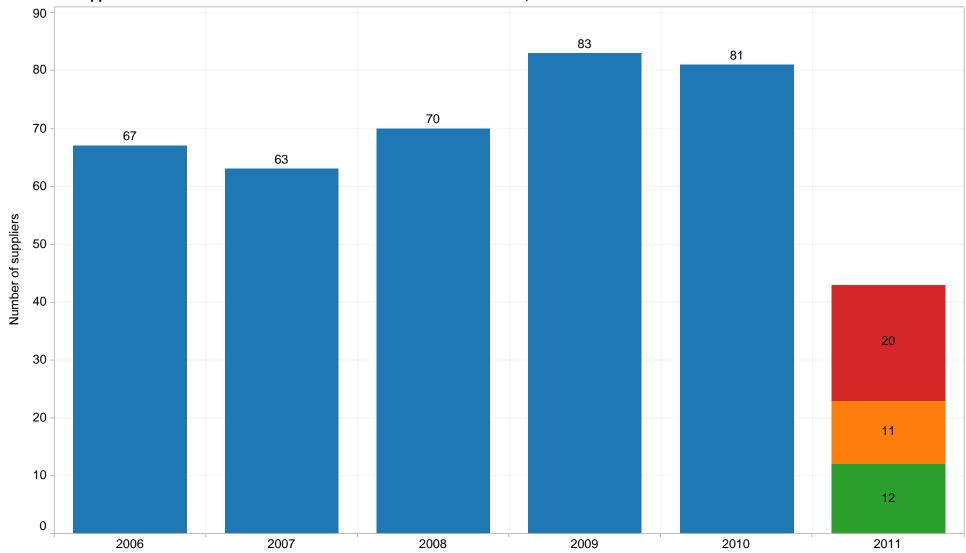
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Number of suppliers from 2006 to 2011: Diabetic Supplies in Cincinnati-Middletown, OH-KY-IN



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Number of suppliers from 2006 to 2011: Enteral Nutrients in Cincinnati-Middletown, OH-KY-IN



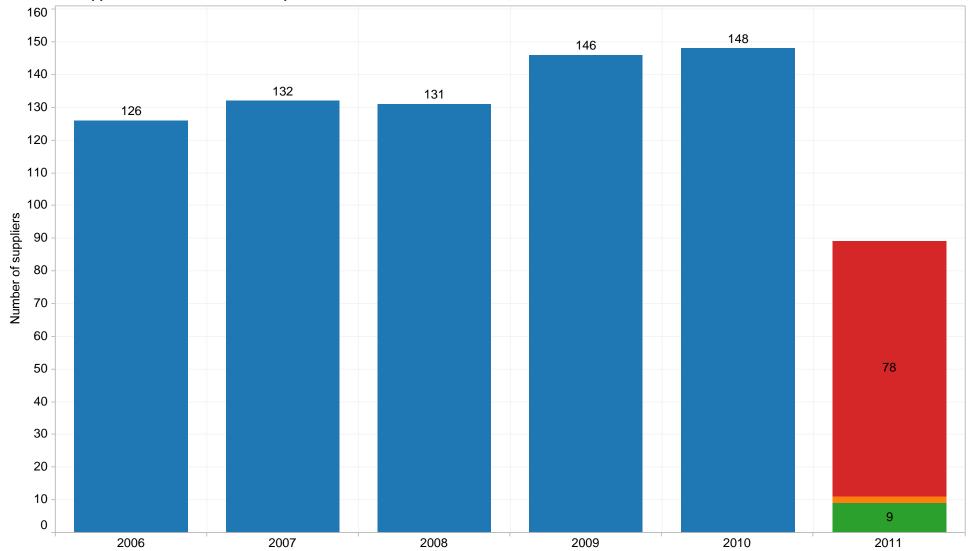
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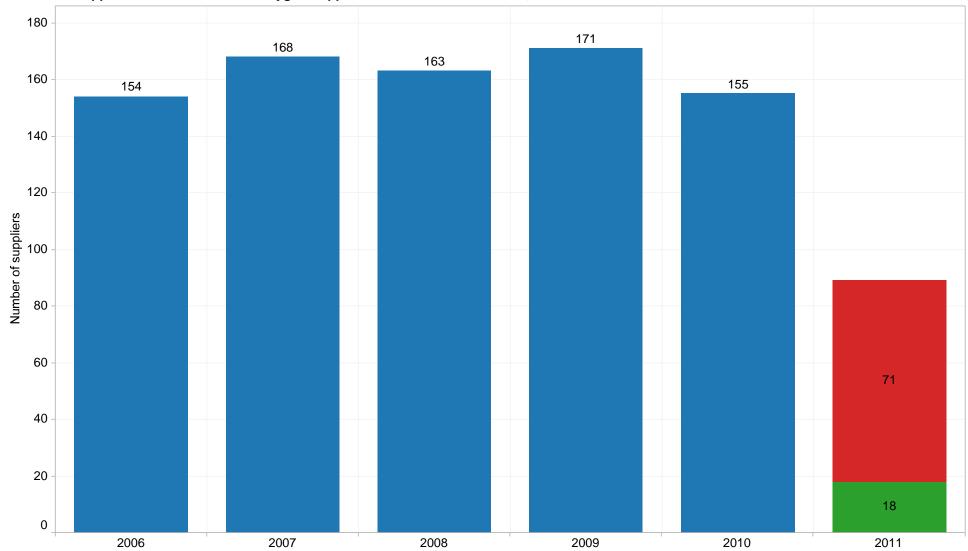
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Number of suppliers from 2006 to 2011: Hospital Beds in Cincinnati-Middletown, OH-KY-IN



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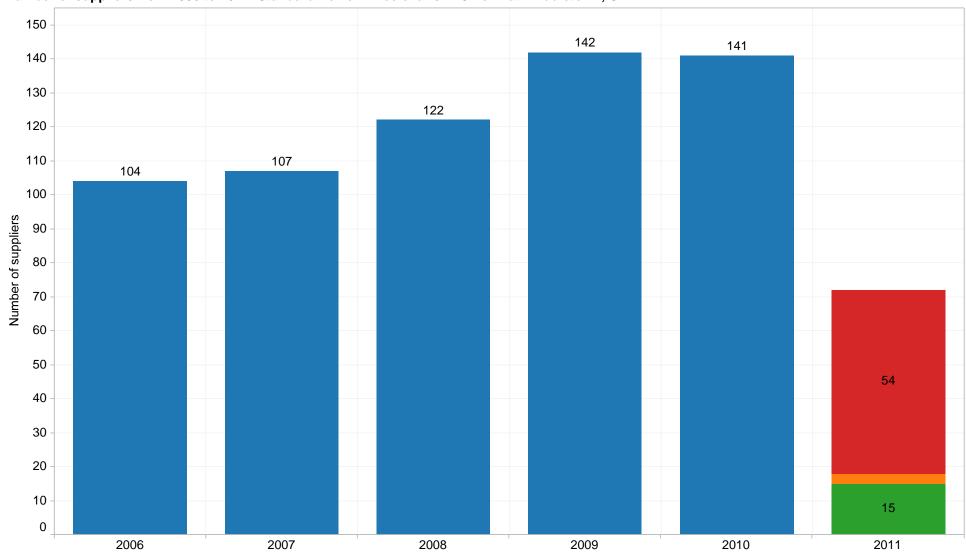


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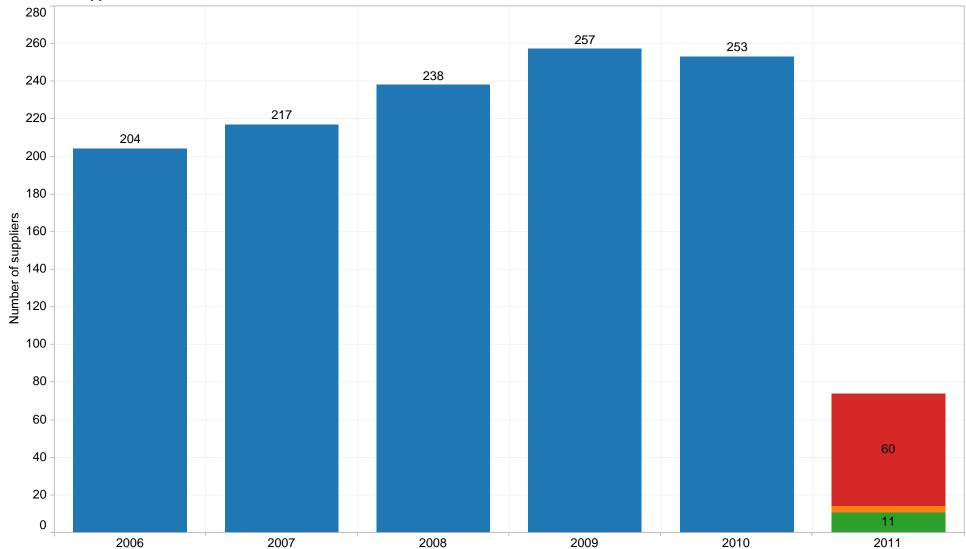
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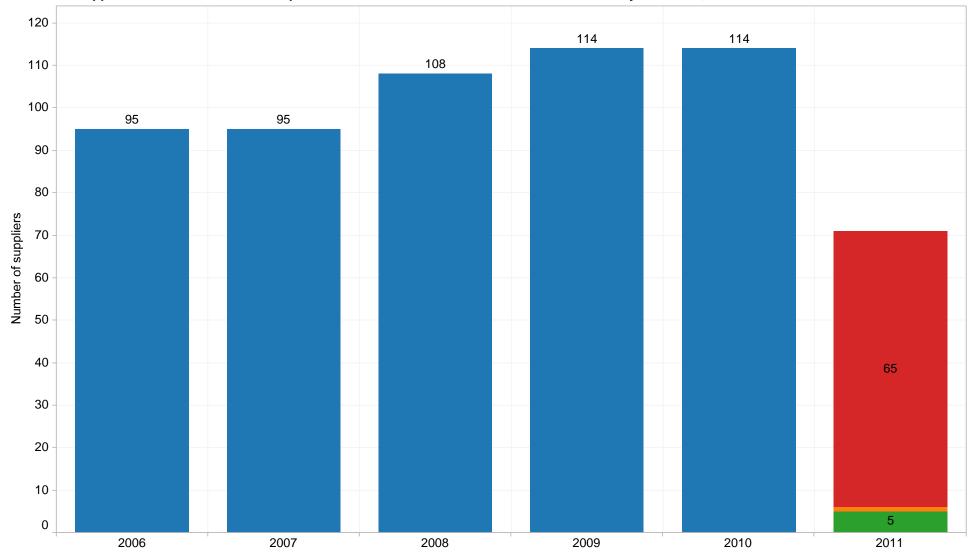
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Number of suppliers from 2006 to 2011: Walkers in Cincinnati-Middletown, OH-KY-IN



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- Contract supplier with claims submitted
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Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Cleveland-Elyria-Mentor, OH



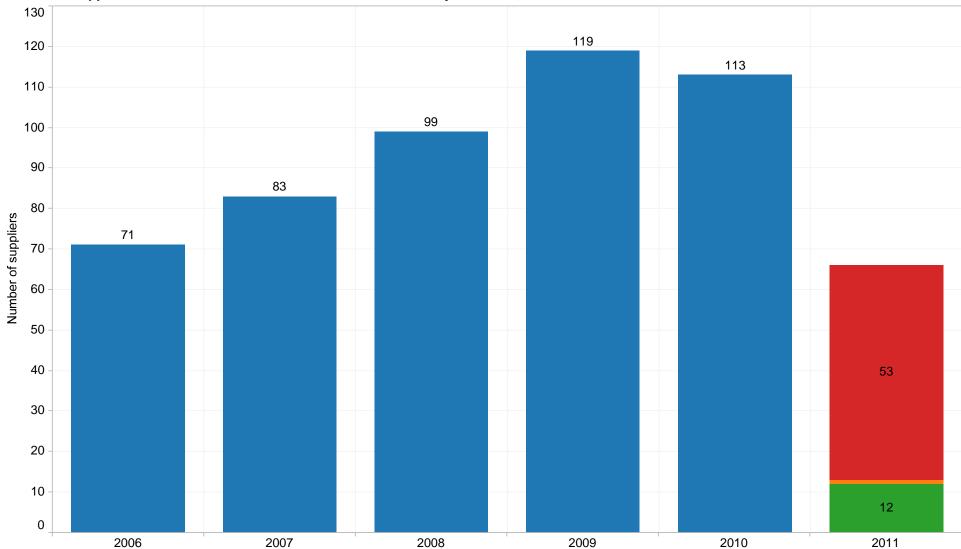
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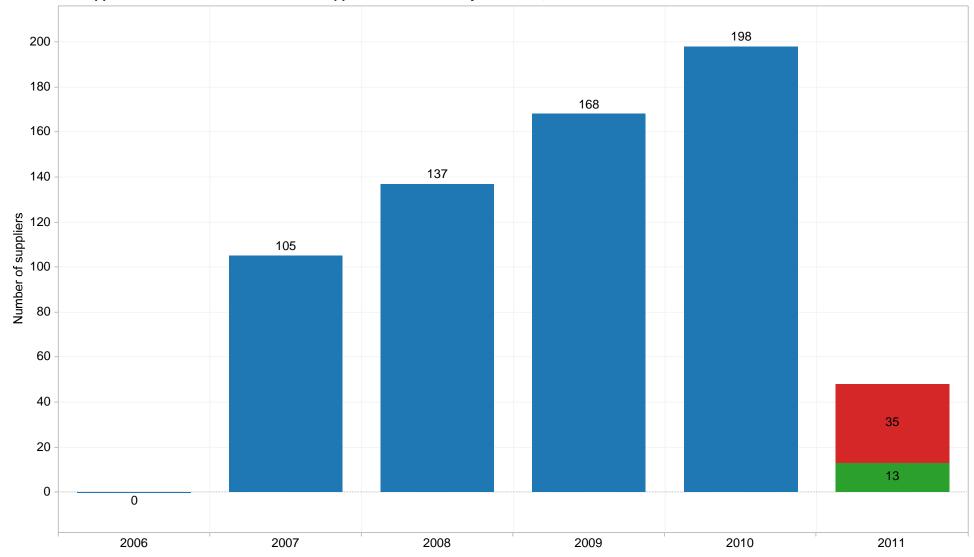
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Number of suppliers from 2006 to 2011: Diabetic Supplies in Cleveland-Elyria-Mentor, OH

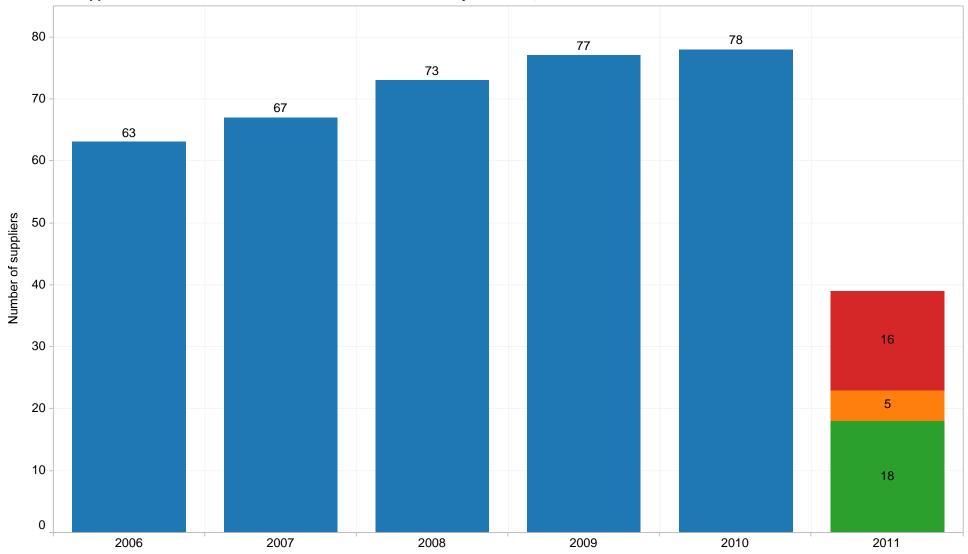


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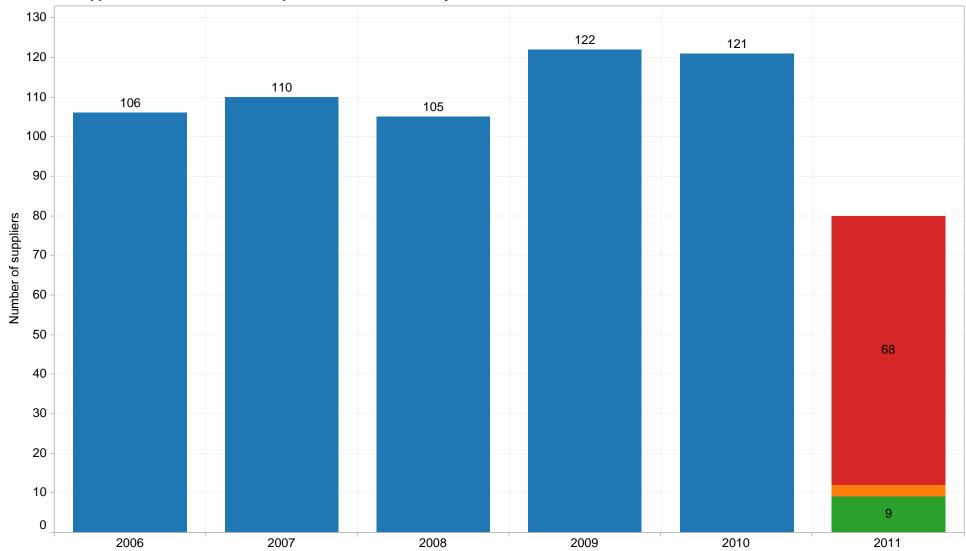
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Number of suppliers from 2006 to 2011: Enteral Nutrients in Cleveland-Elyria-Mentor, OH



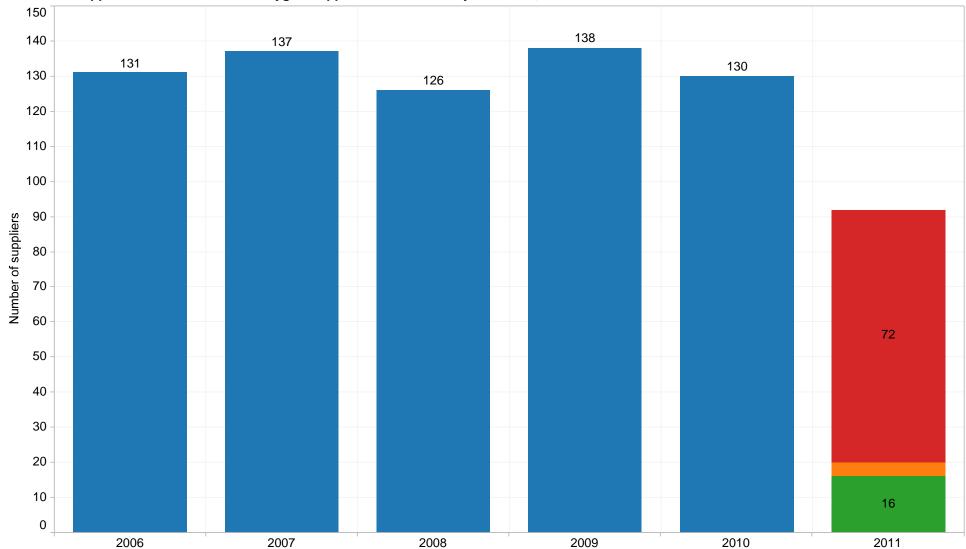
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Number of suppliers from 2006 to 2011: Hospital Beds in Cleveland-Elyria-Mentor, OH



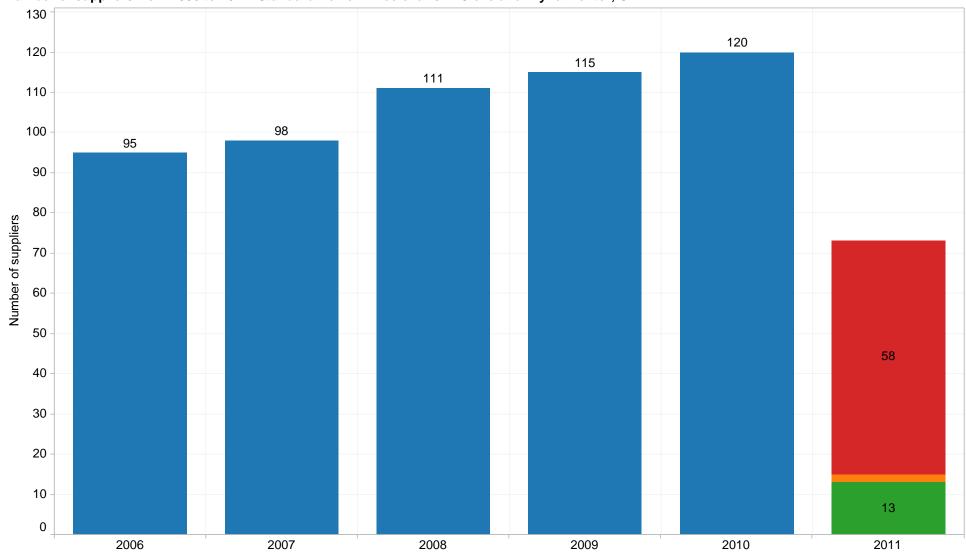
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- Has claims submitted

Number of suppliers from 2006 to 2011: Oxygen Supplies in Cleveland-Elyria-Mentor, OH



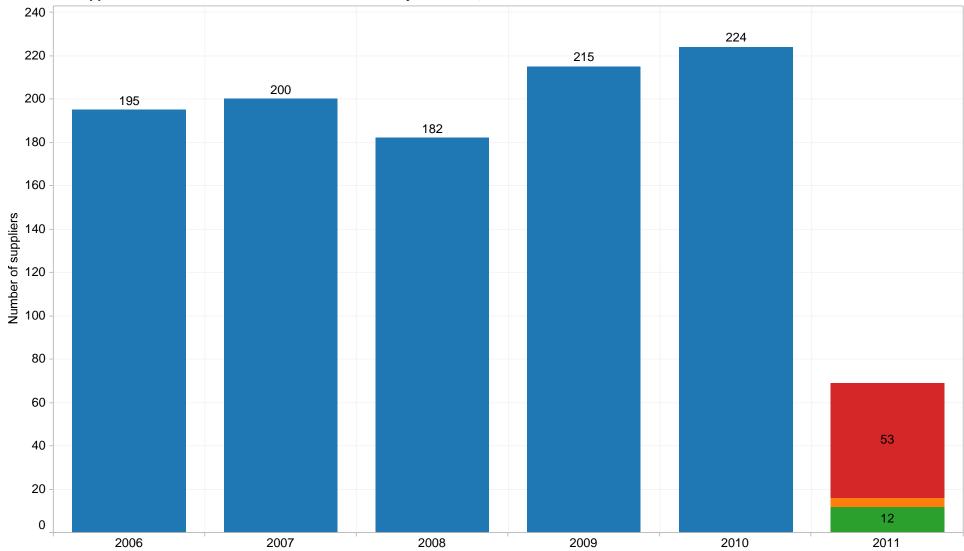
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Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Cleveland-Elyria-Mentor, OH



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Walkers in Cleveland-Elyria-Mentor, OH



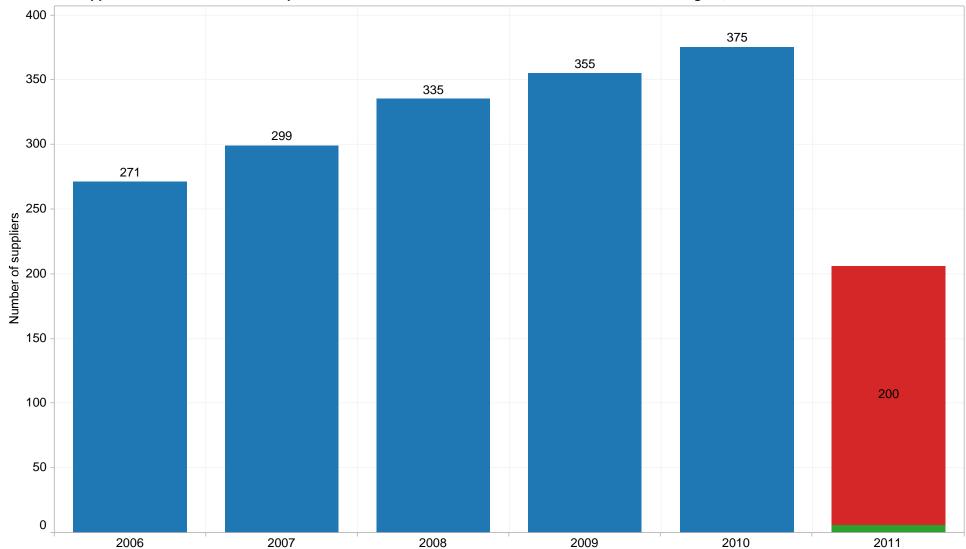
Supplier type

Non-contract supplier with claims submitted

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■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Dallas-Fort Worth-Arlington, TX

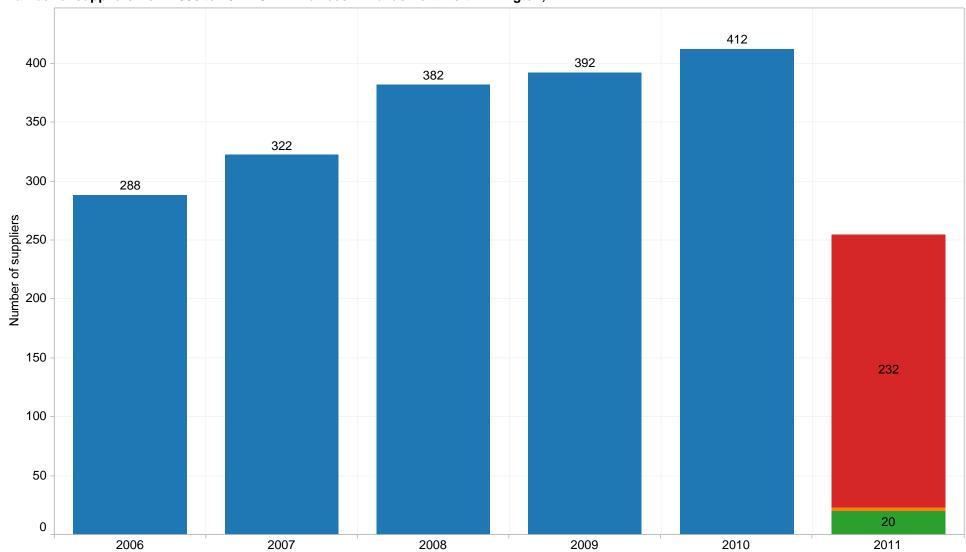


Supplier type

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■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Dallas-Fort Worth-Arlington, TX



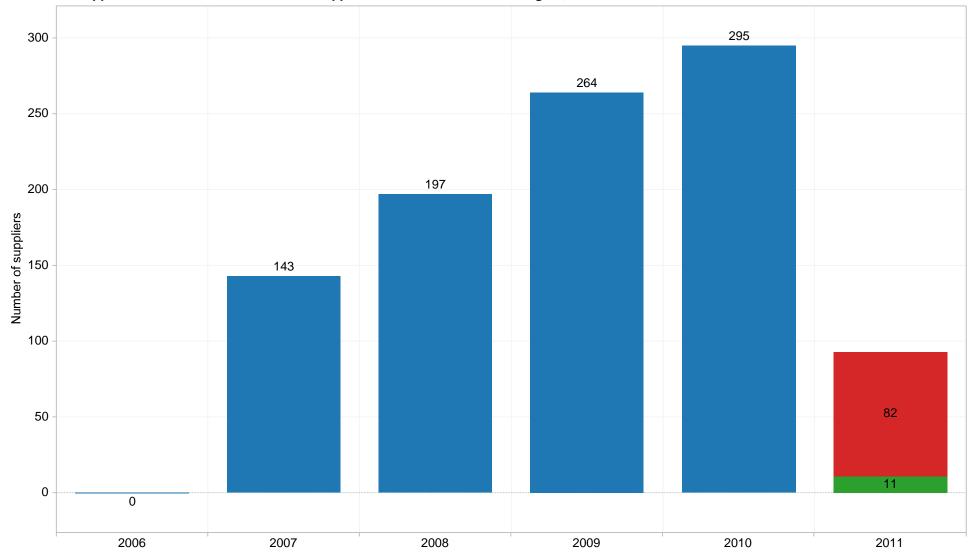
Supplier type

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Contract supplier without claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Diabetic Supplies in Dallas-Fort Worth-Arlington, TX

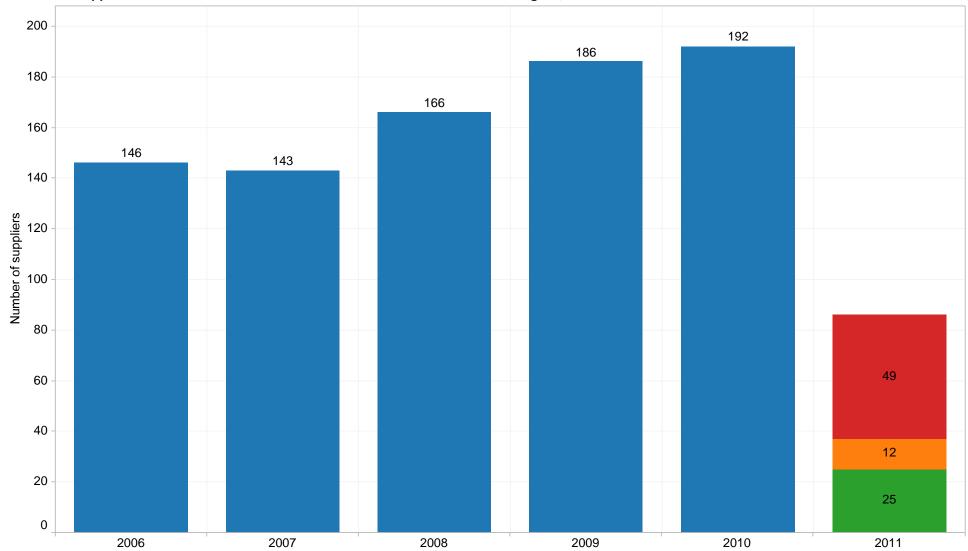


Supplier type

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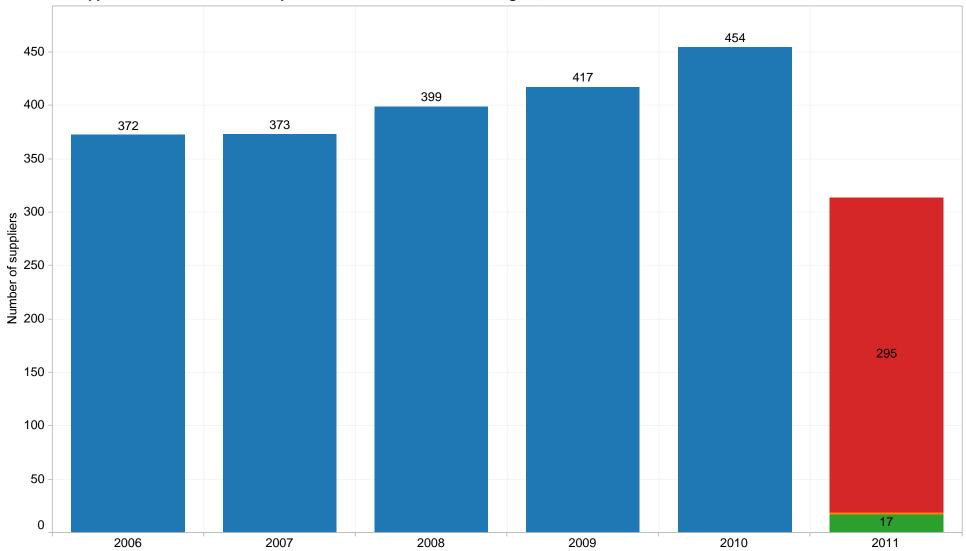
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Enteral Nutrients in Dallas-Fort Worth-Arlington, TX



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- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Dallas-Fort Worth-Arlington, TX



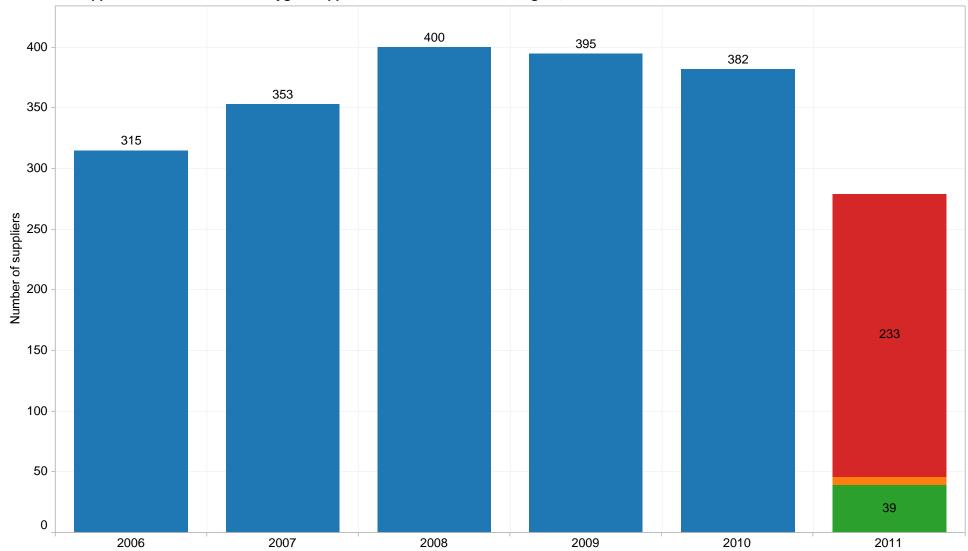
Supplier type

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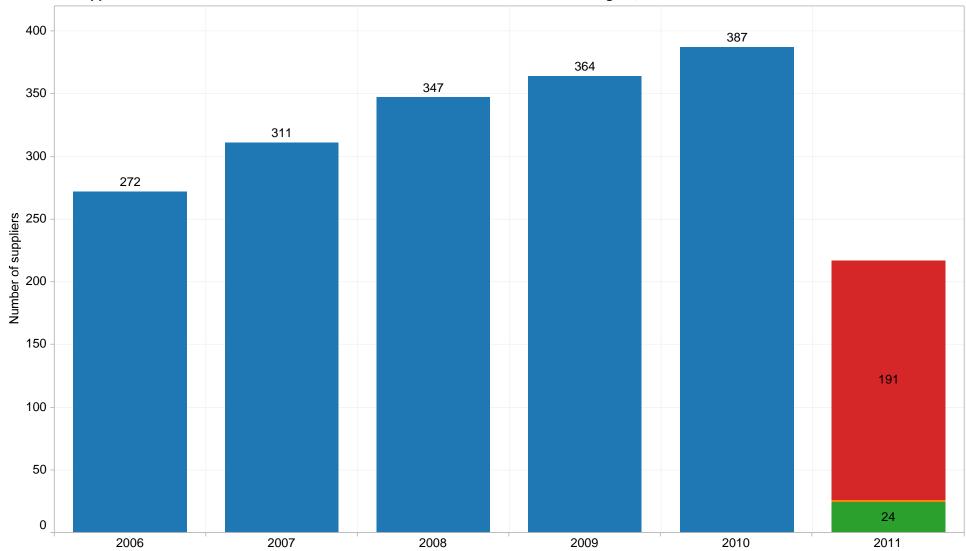
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Oxygen Supplies in Dallas-Fort Worth-Arlington, TX



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- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Dallas-Fort Worth-Arlington, TX



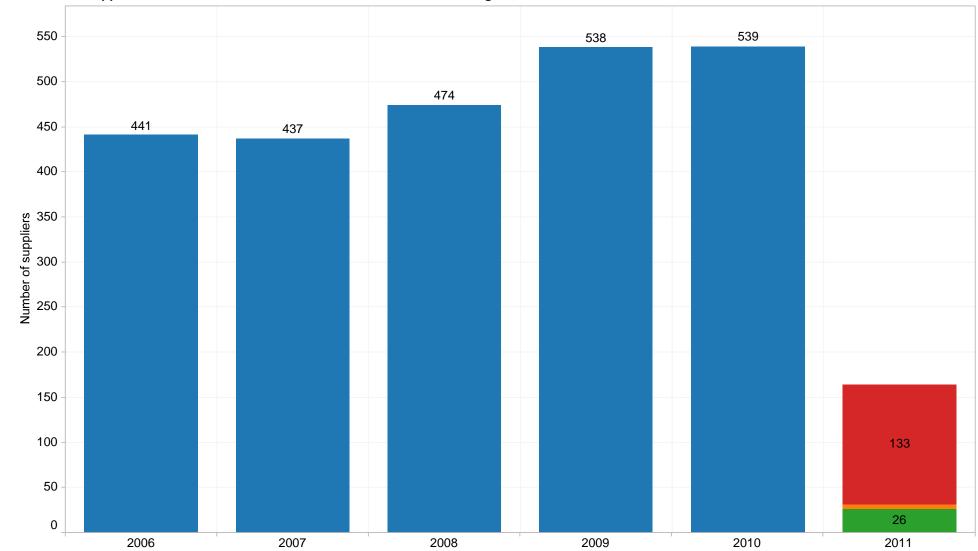
Supplier type

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Contract supplier without claims submitted

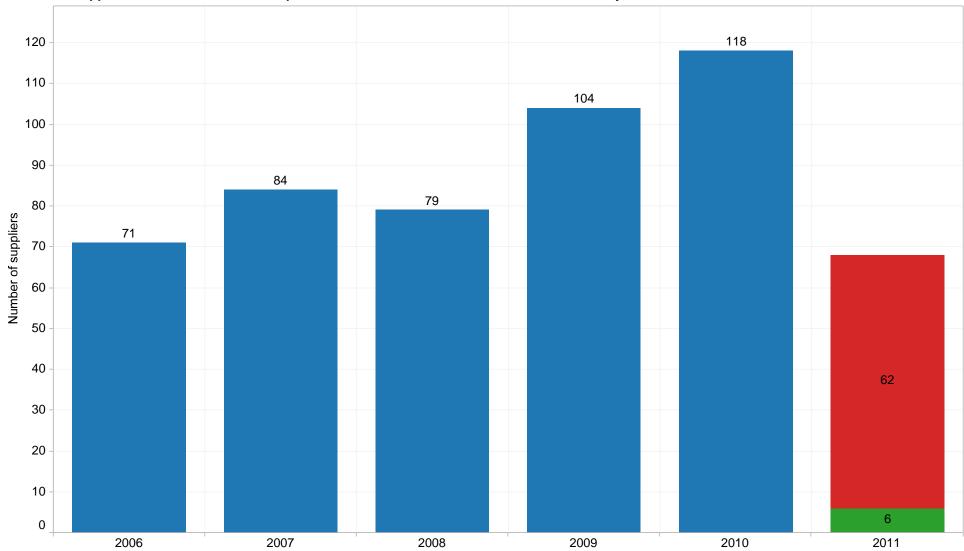
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Walkers in Dallas-Fort Worth-Arlington, TX



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Kansas City, MO-KS

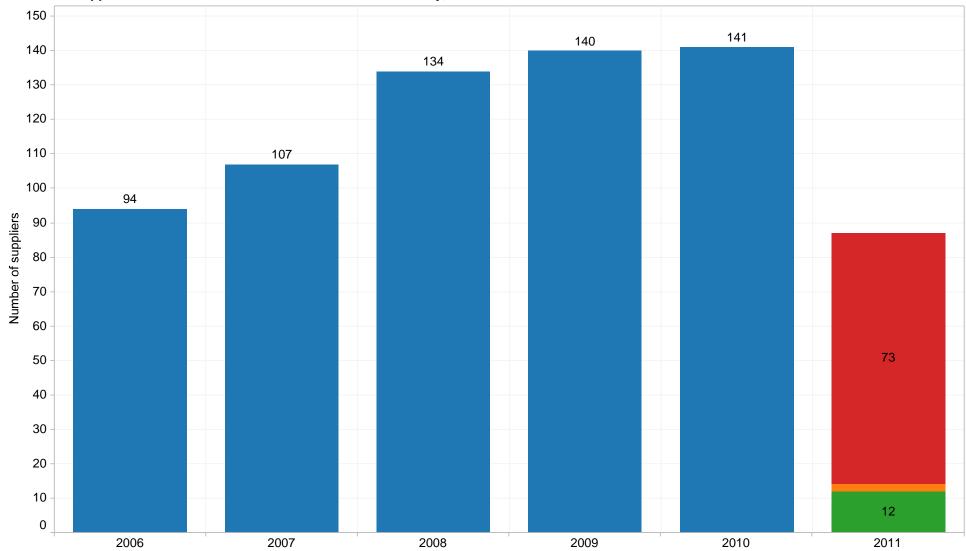


Supplier type

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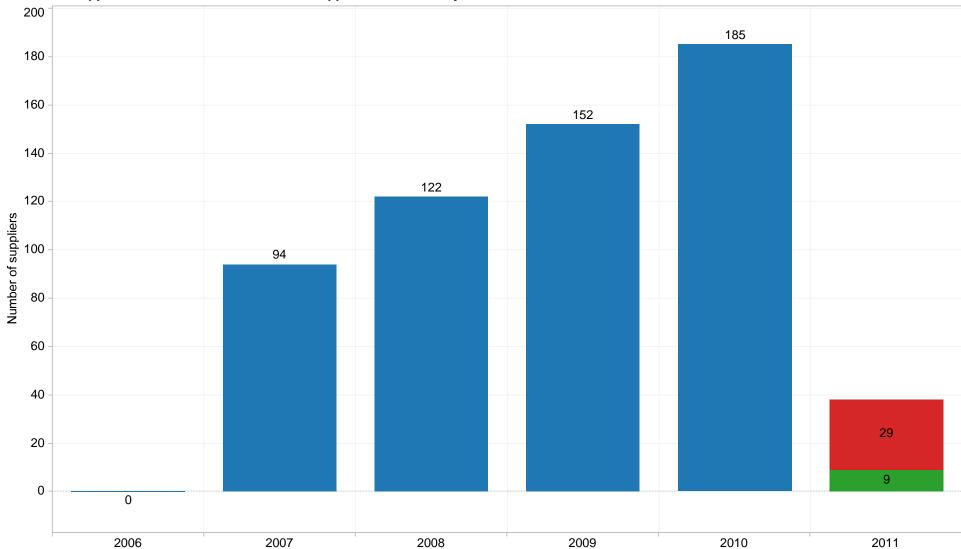
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Kansas City, MO-KS



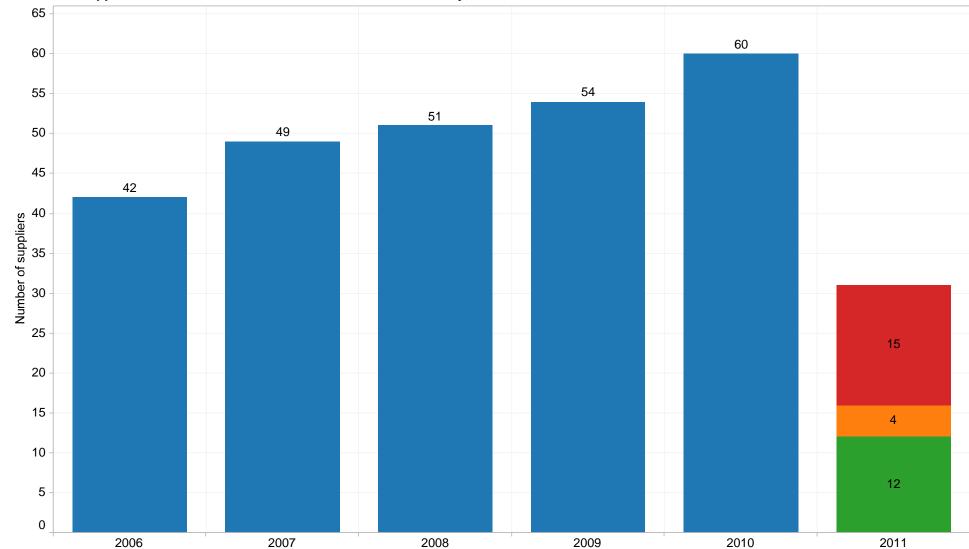
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Diabetic Supplies in Kansas City, MO-KS



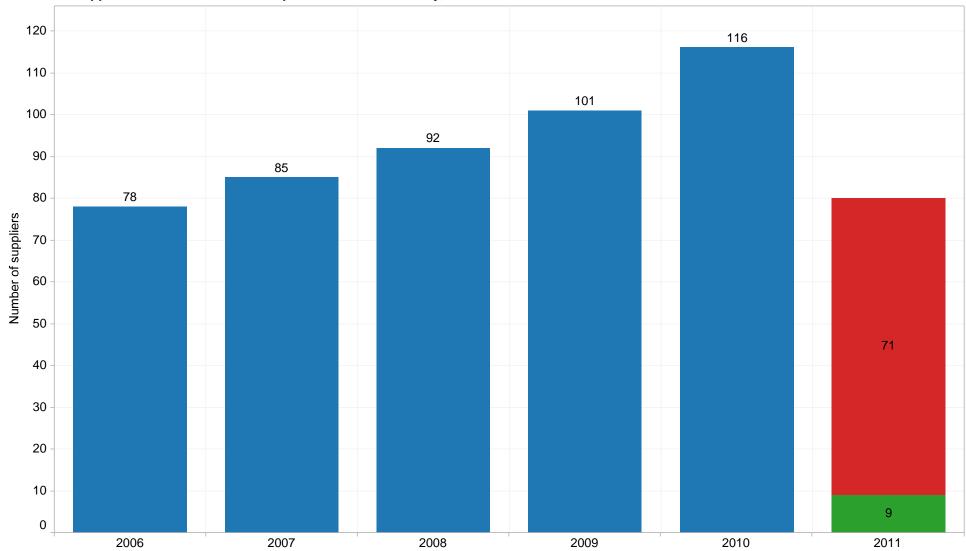
- Non-contract supplier with claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Enteral Nutrients in Kansas City, MO-KS



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Kansas City, MO-KS

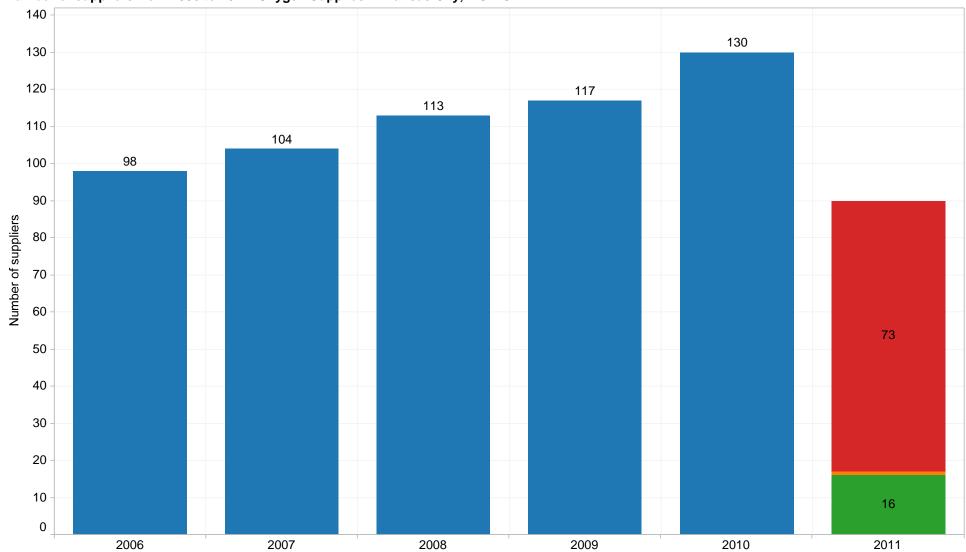


Supplier type

Non-contract supplier with claims submitted

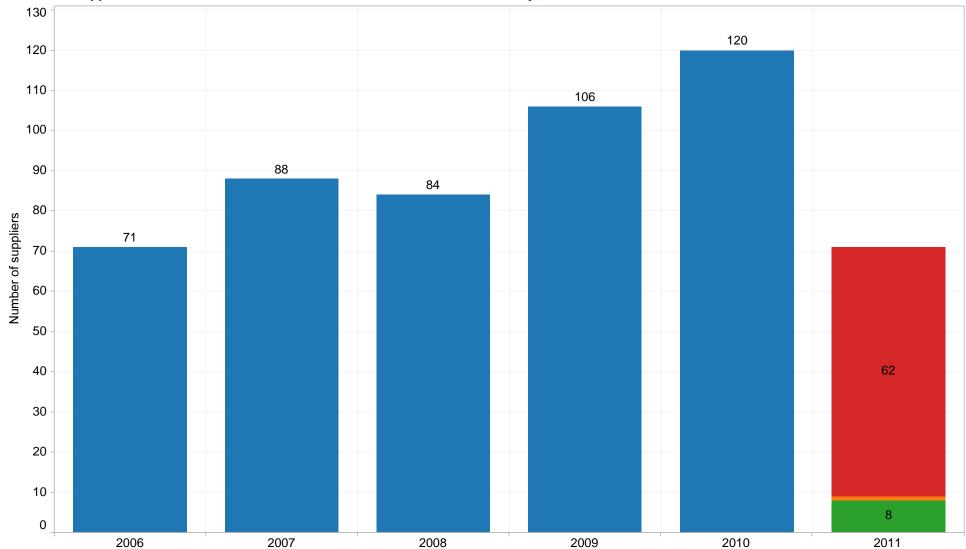
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Oxygen Supplies in Kansas City, MO-KS



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Kansas City, MO-KS



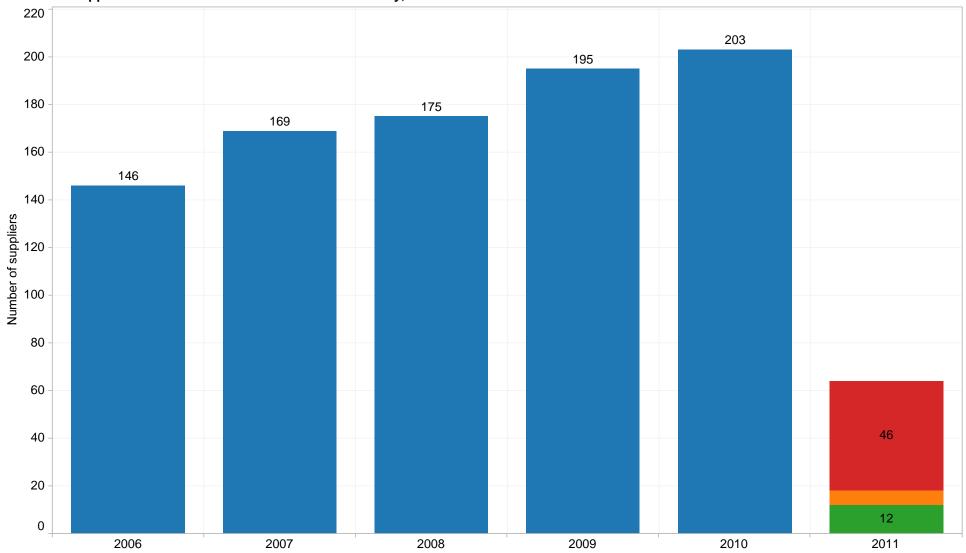
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

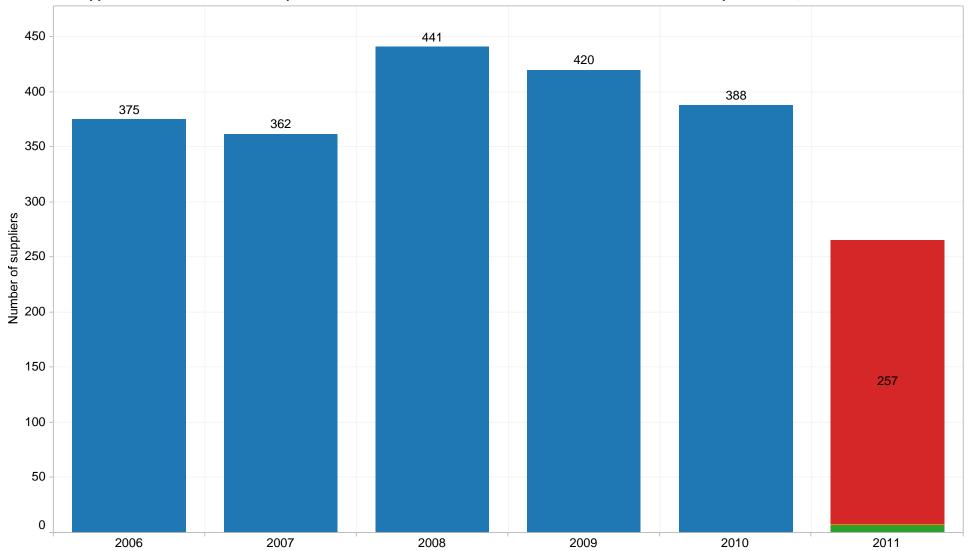
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Walkers in Kansas City, MO-KS



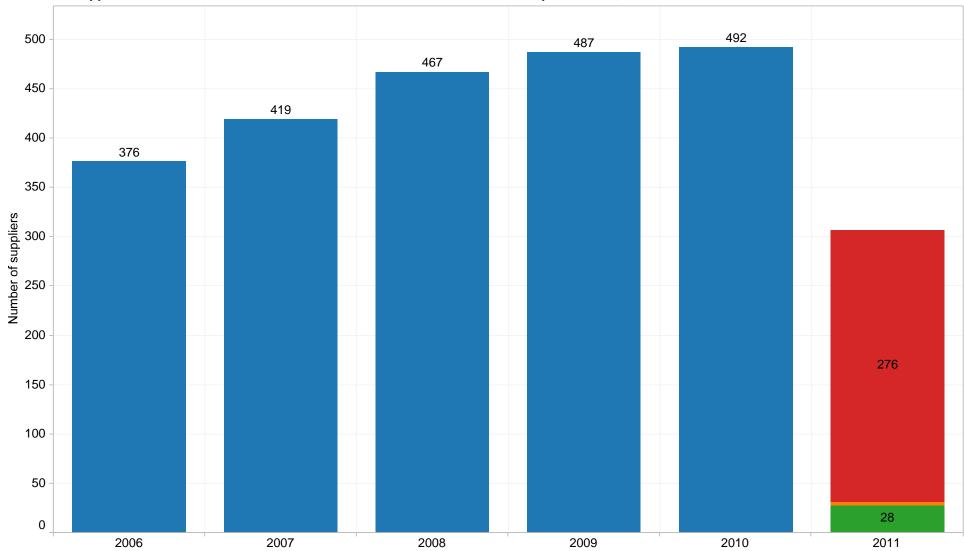
- Non-contract supplier with claims submitted
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- Has claims submitted

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Miami-Fort Lauderdale-Pompano Beach, FL



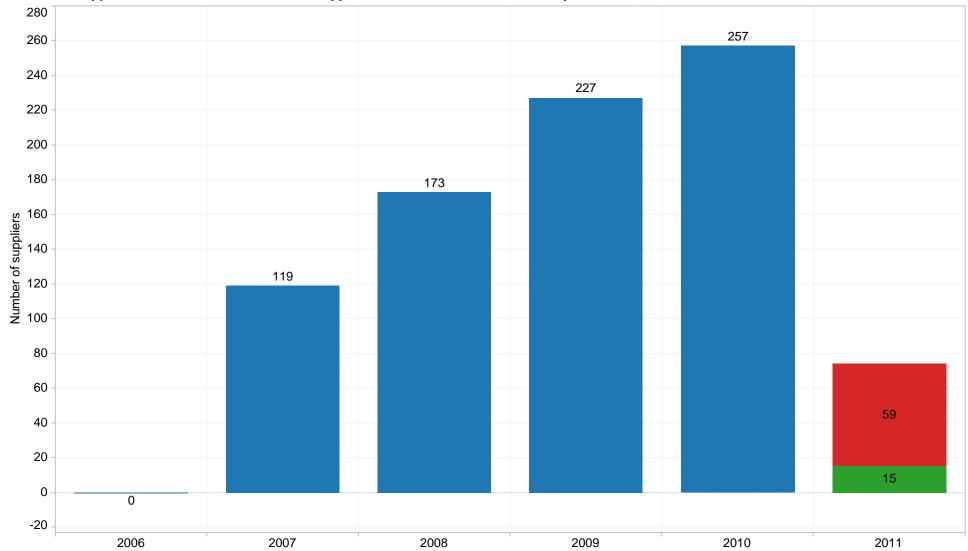
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- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Miami-Fort Lauderdale-Pompano Beach, FL



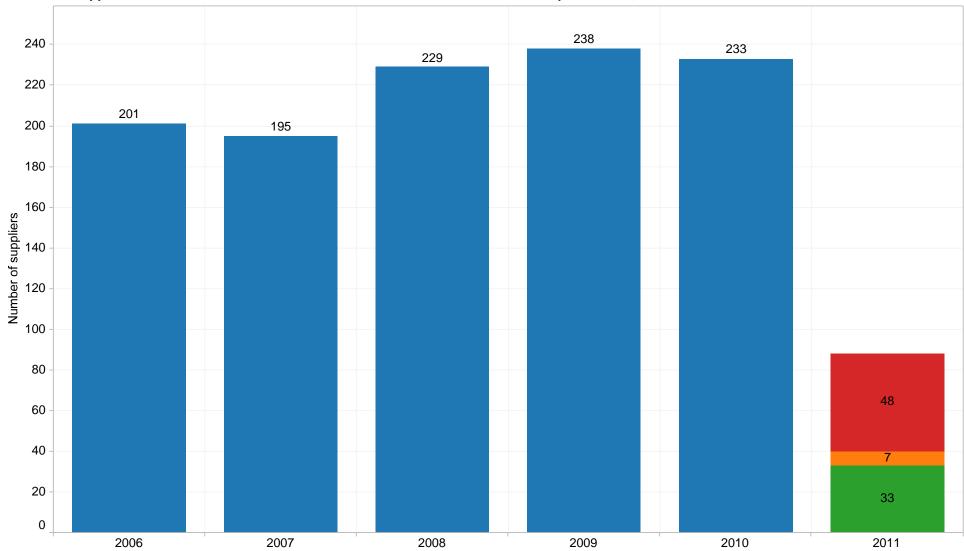
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- Has claims submitted

Number of suppliers from 2006 to 2011: Diabetic Supplies in Miami-Fort Lauderdale-Pompano Beach, FL



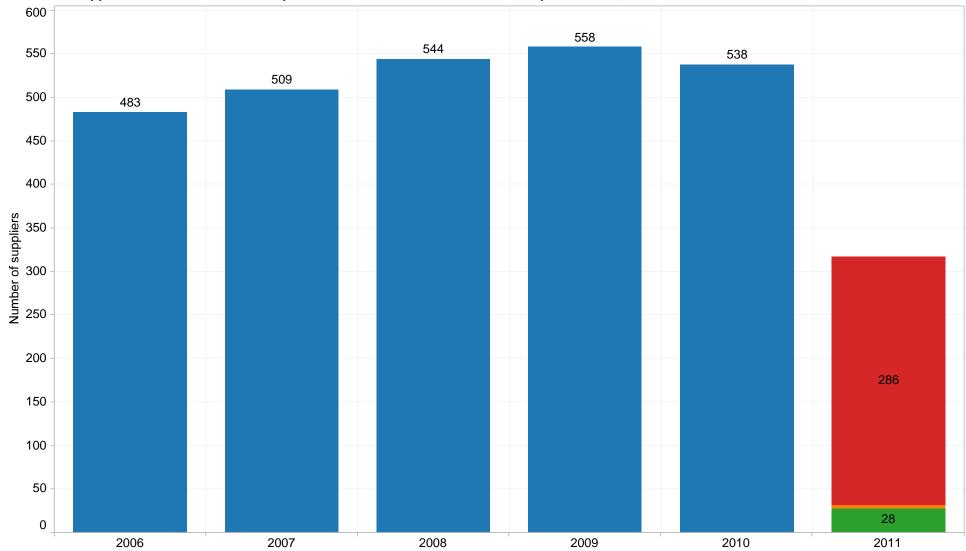
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- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Enteral Nutrients in Miami-Fort Lauderdale-Pompano Beach, FL



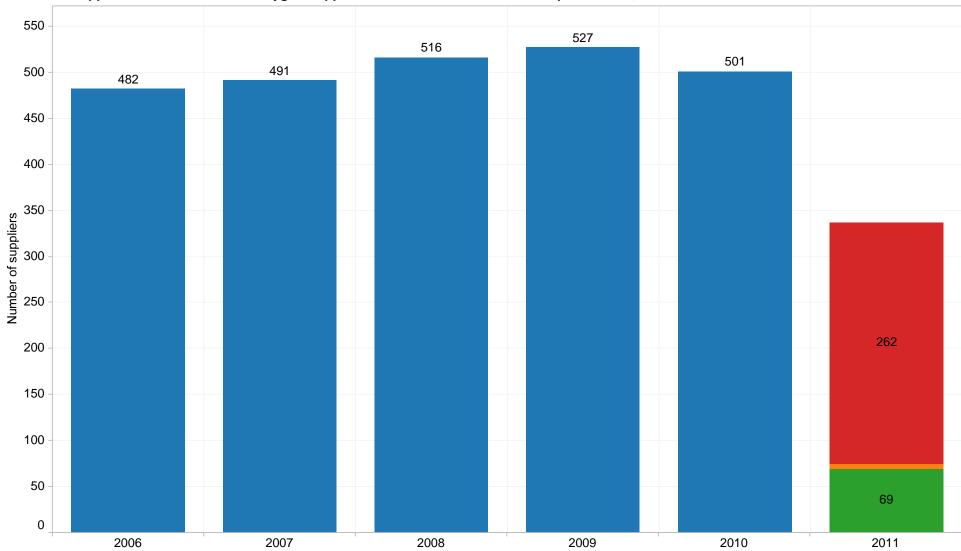
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- Has claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Miami-Fort Lauderdale-Pompano Beach, FL



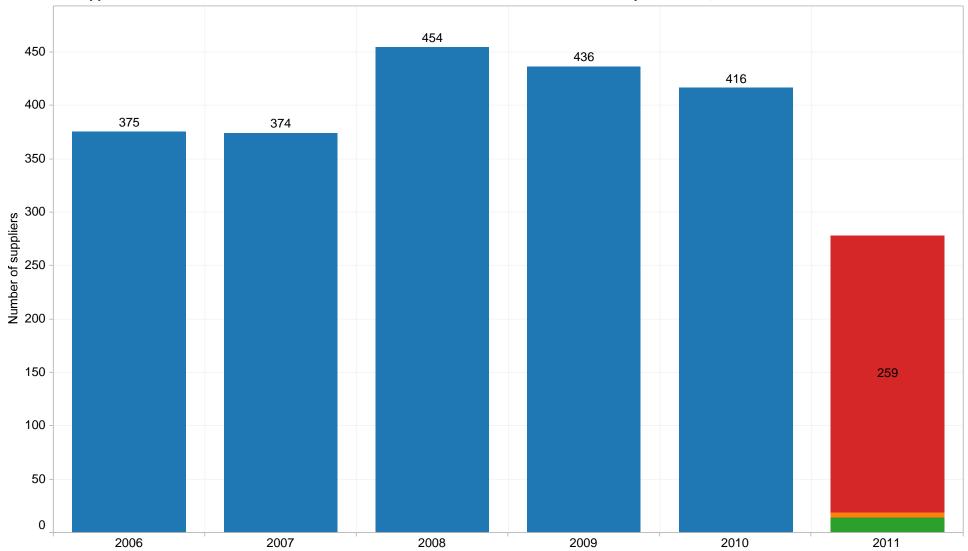
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- Has claims submitted

Number of suppliers from 2006 to 2011: Oxygen Supplies in Miami-Fort Lauderdale-Pompano Beach, FL



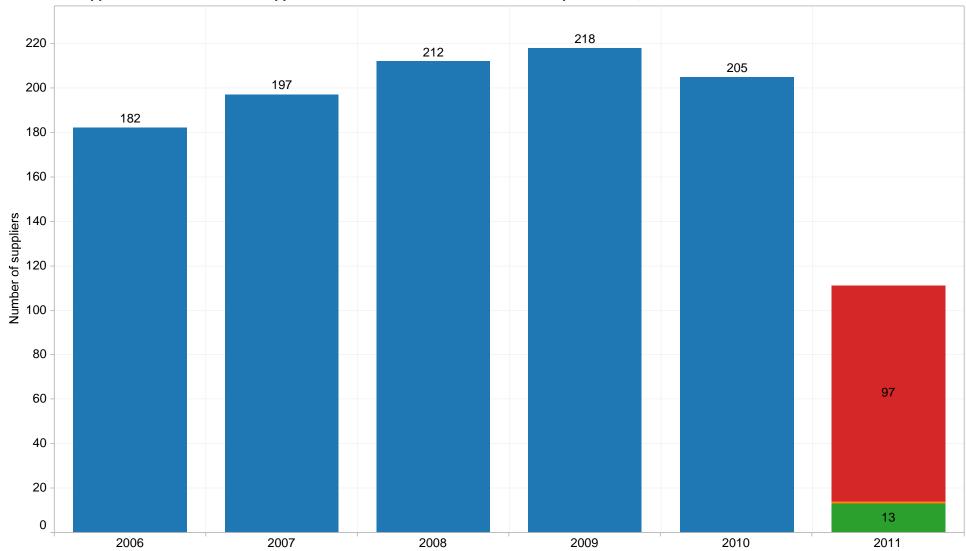
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- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Miami-Fort Lauderdale-Pompano Beach, FL



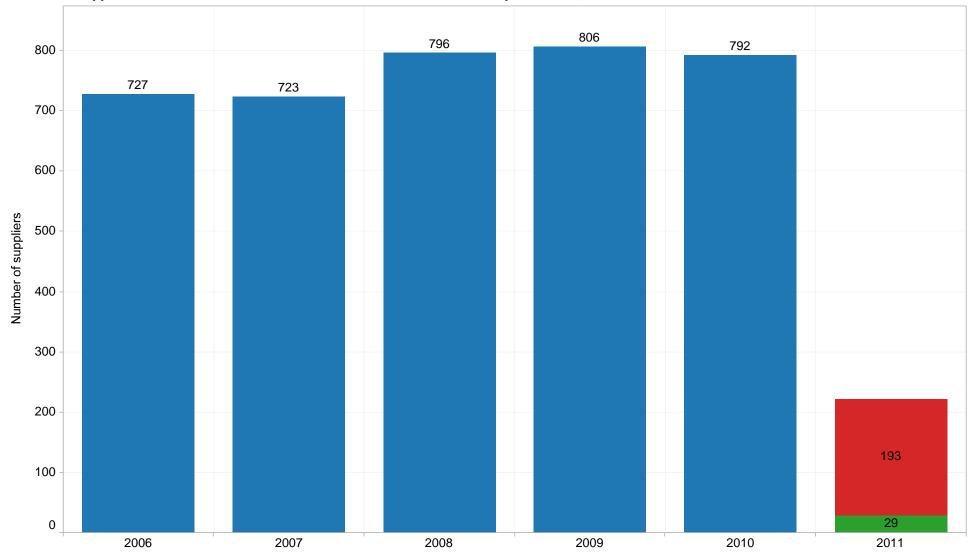
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- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Support Surfaces in Miami-Fort Lauderdale-Pompano Beach, FL



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Walkers in Miami-Fort Lauderdale-Pompano Beach, FL

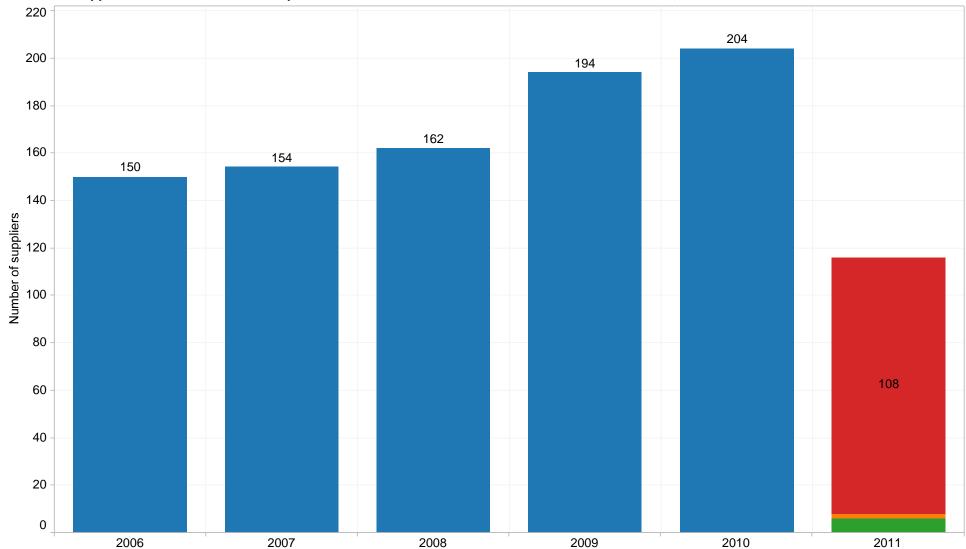


Supplier type

Non-contract supplier with claims submitted

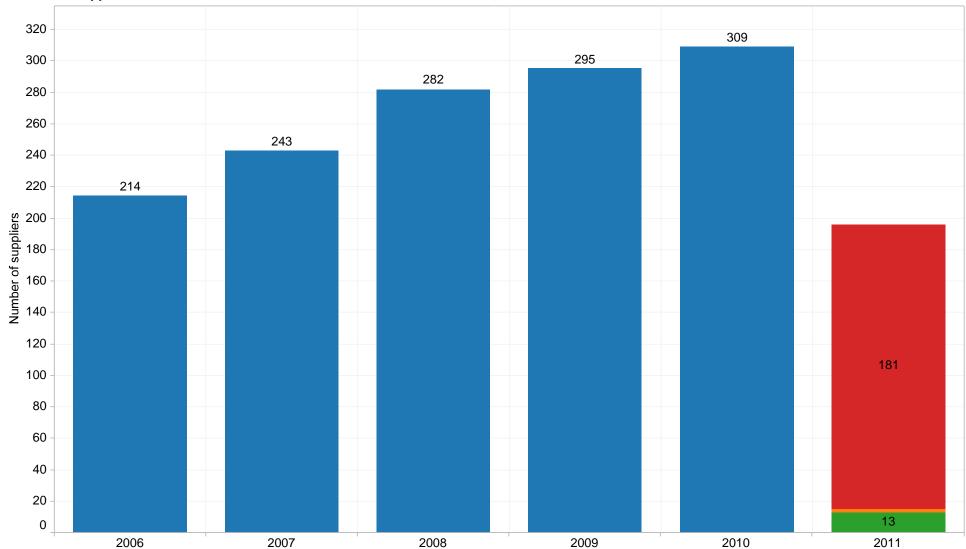
■ Contract supplier with claims submitted





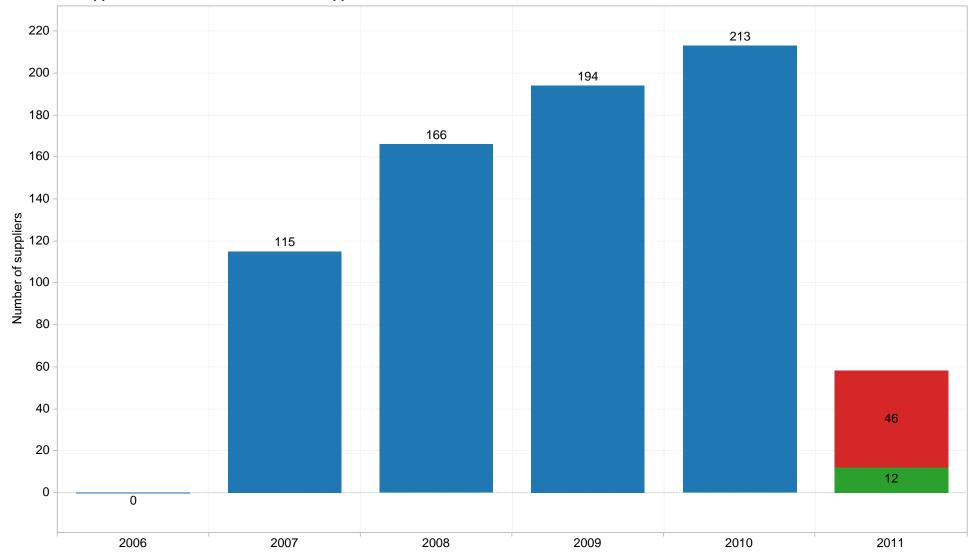
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Orlando-Kissimmee, FL



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

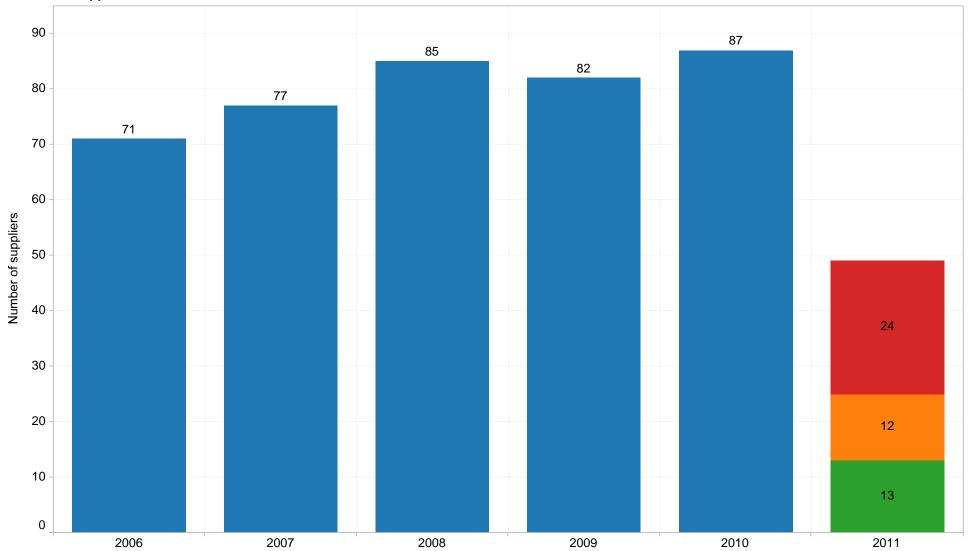
Number of suppliers from 2006 to 2011: Diabetic Supplies in Orlando-Kissimmee, FL



- Non-contract supplier with claims submitted

 Contract supplier with claims submitted
- Has claims submitted

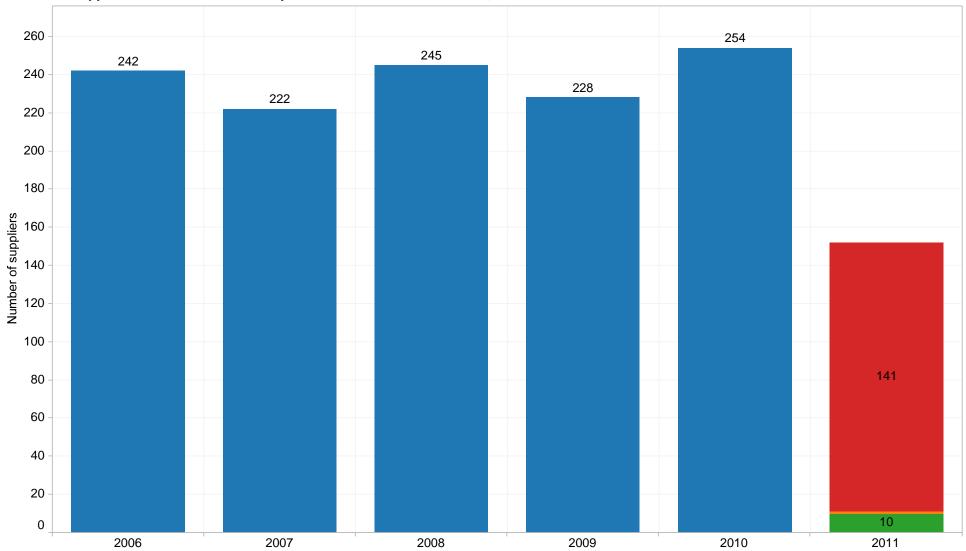
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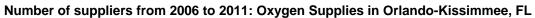
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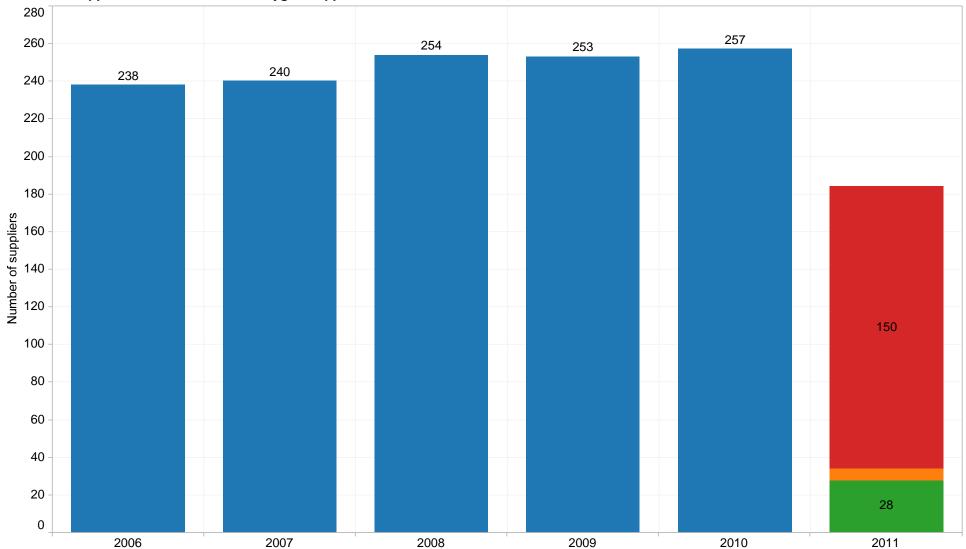
 Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Orlando-Kissimmee, FL



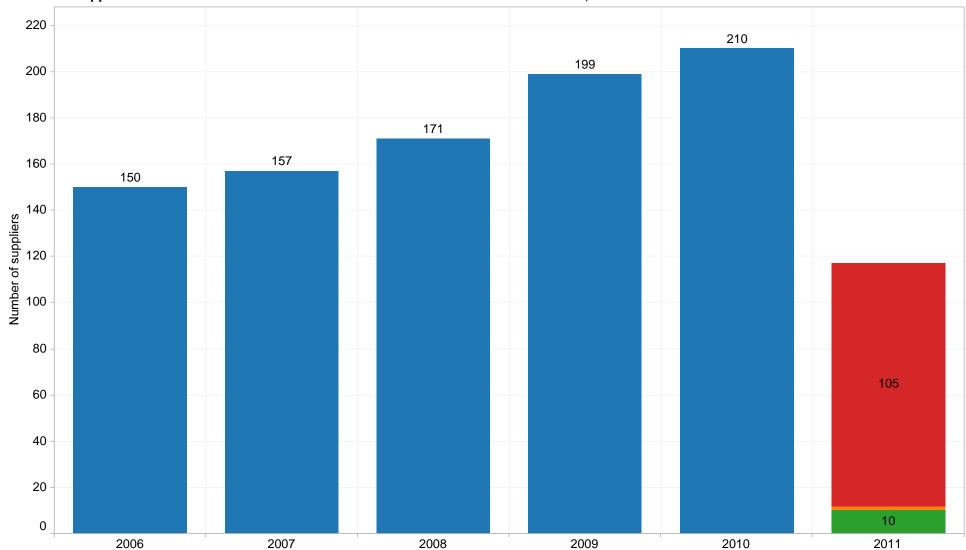
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted





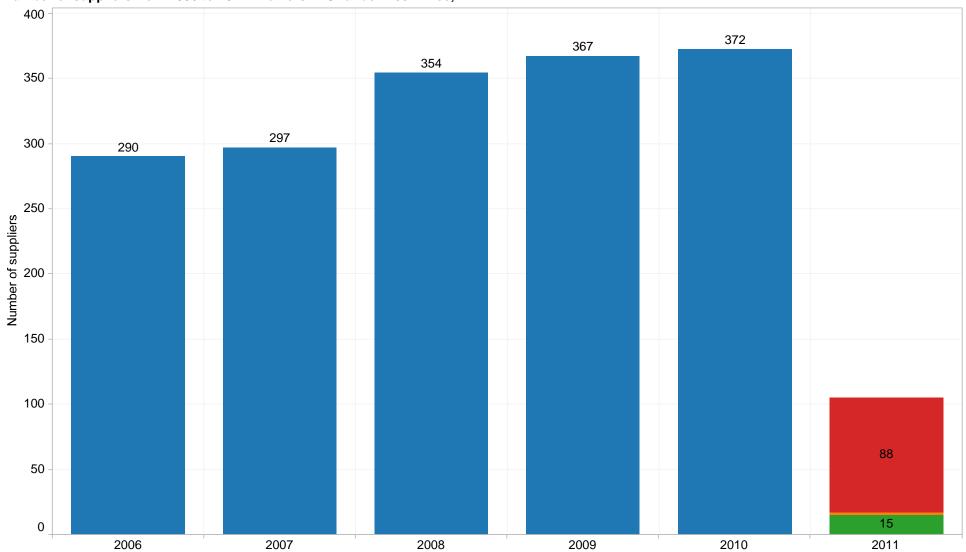
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Orlando-Kissimmee, FL



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted





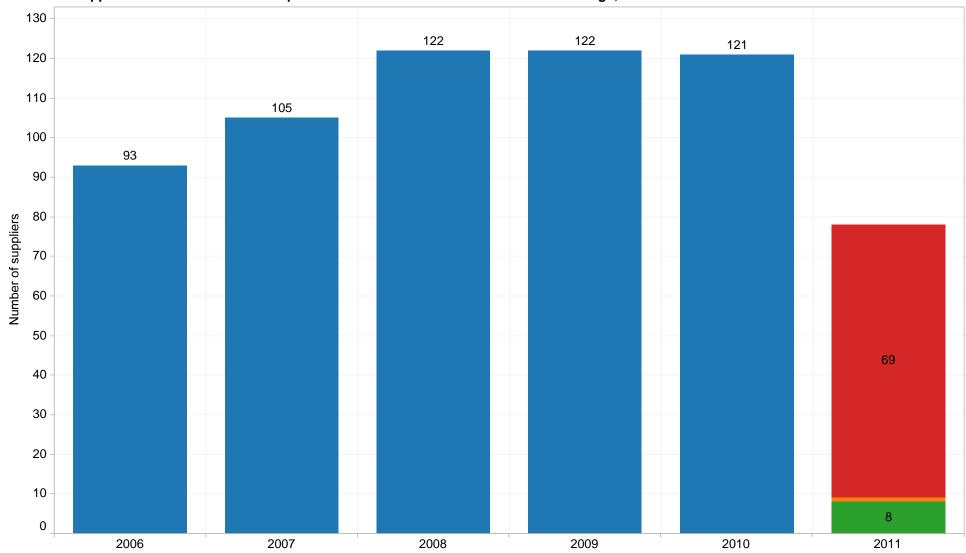
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Pittsburgh, PA



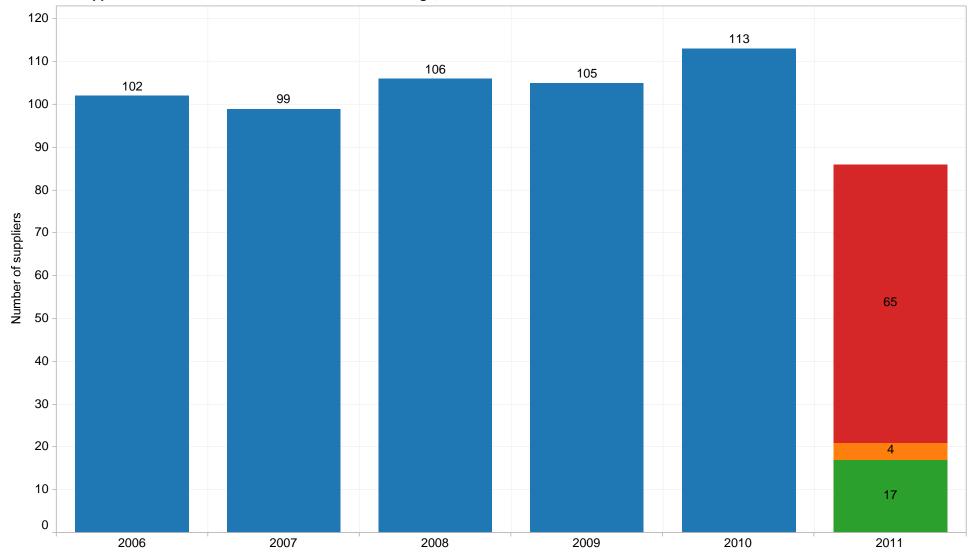
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Pittsburgh, PA



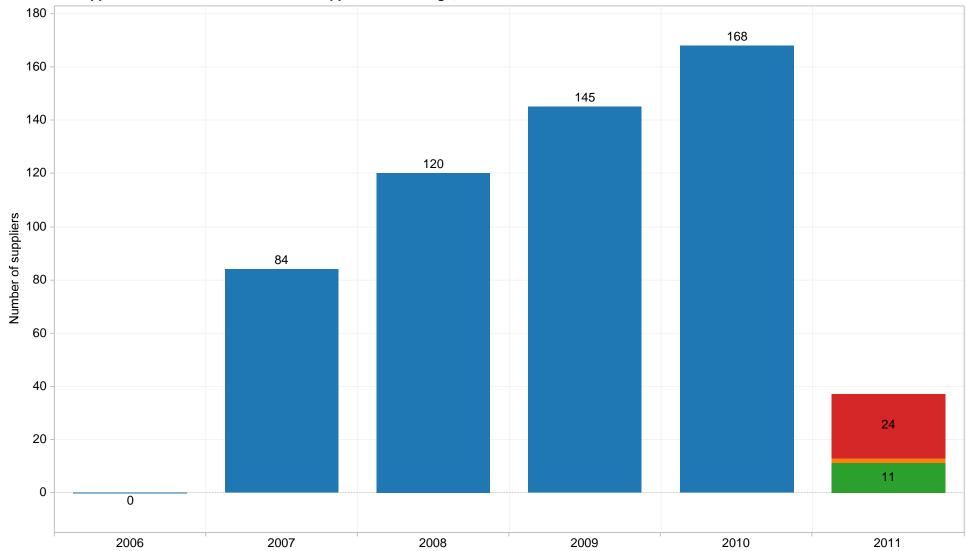
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

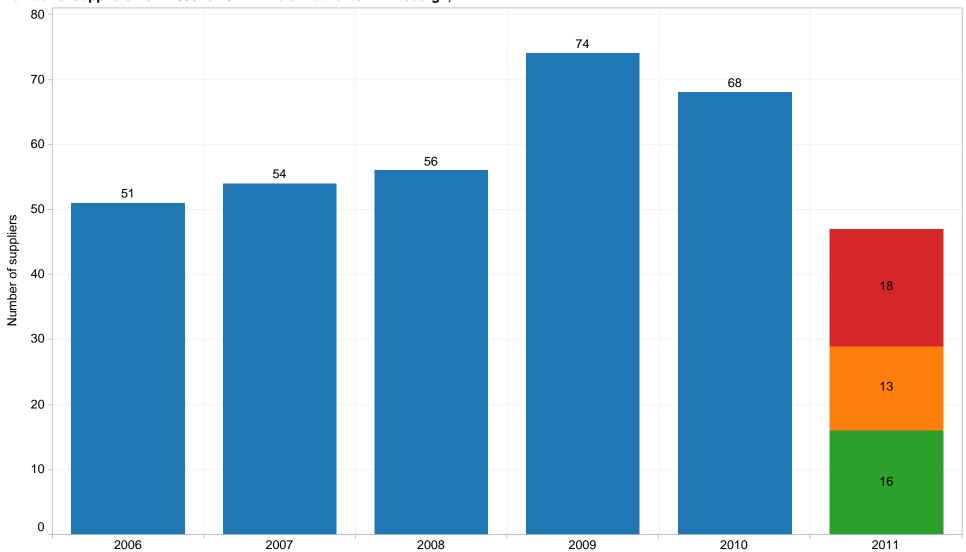
Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Diabetic Supplies in Pittsburgh, PA



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Enteral Nutrients in Pittsburgh, PA



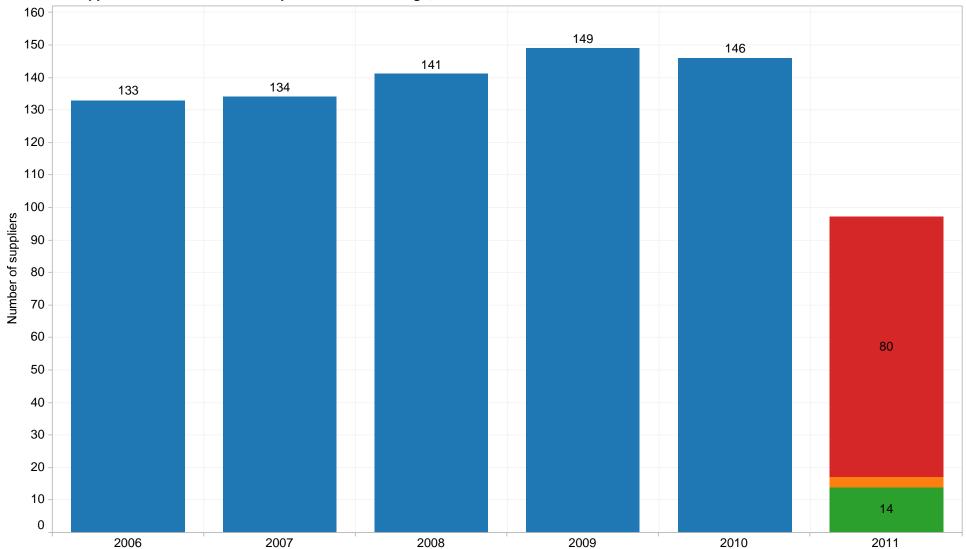
Supplier type

Non-contract supplier with claims submitted

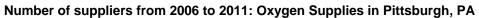
Contract supplier without claims submitted

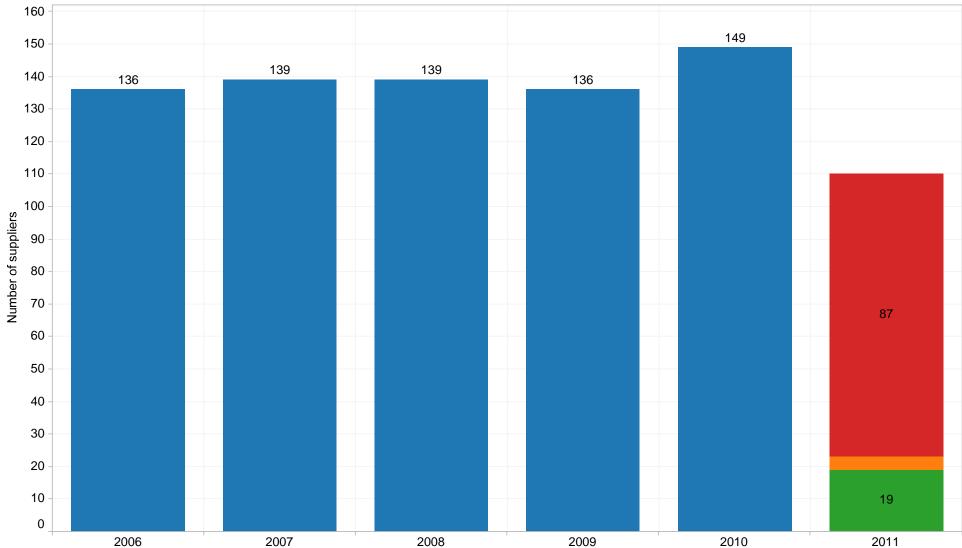
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Pittsburgh, PA



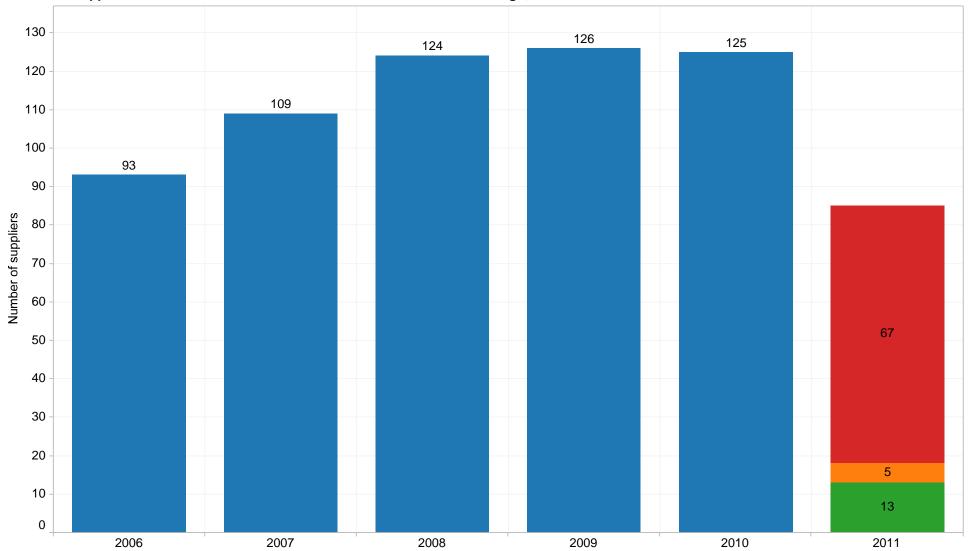
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted





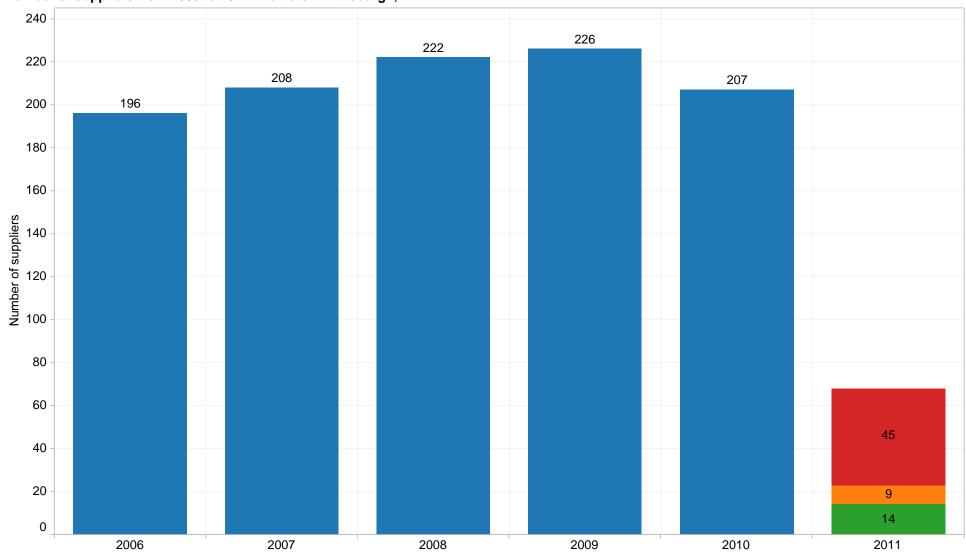
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Pittsburgh, PA



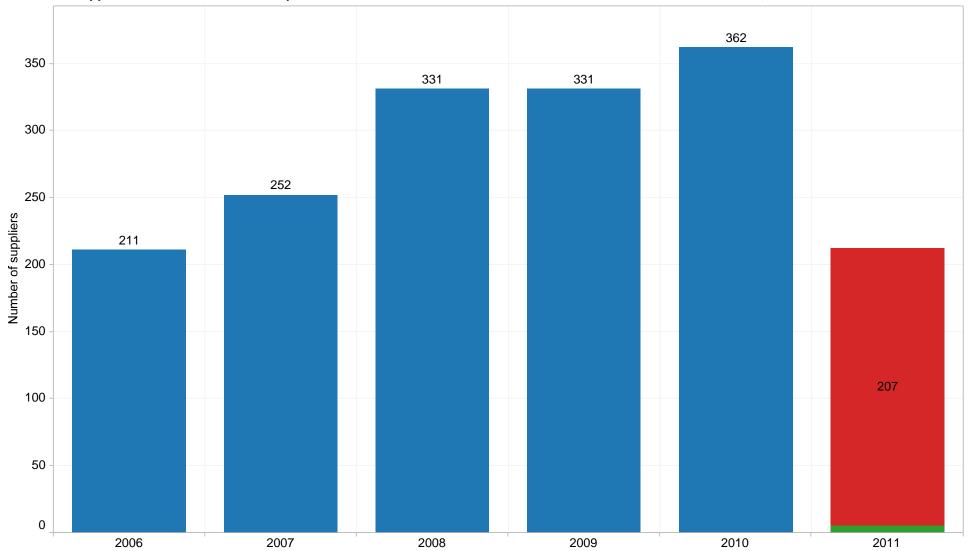
- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Walkers in Pittsburgh, PA



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Riverside-San Bernardino-Ontario, CA

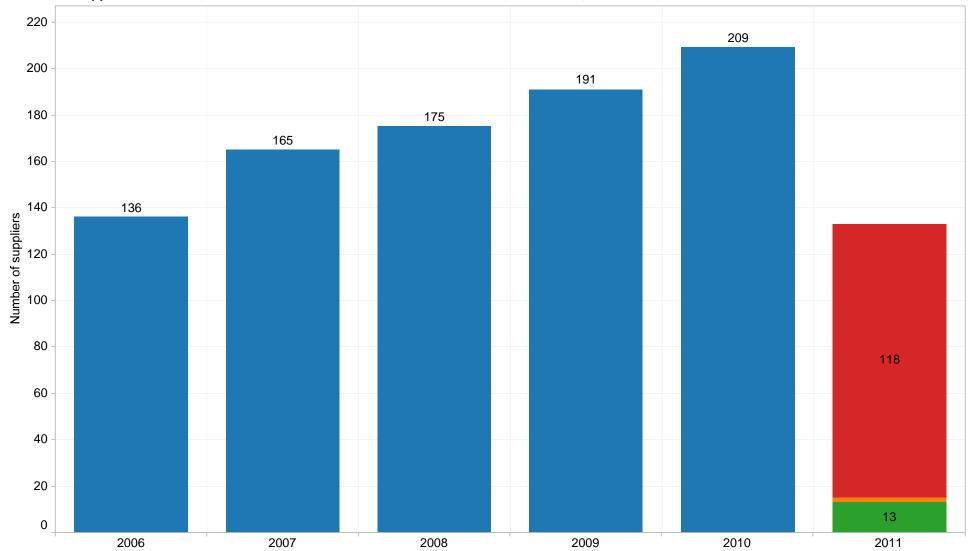


Supplier type

Non-contract supplier with claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: CPAP Devices in Riverside-San Bernardino-Ontario, CA



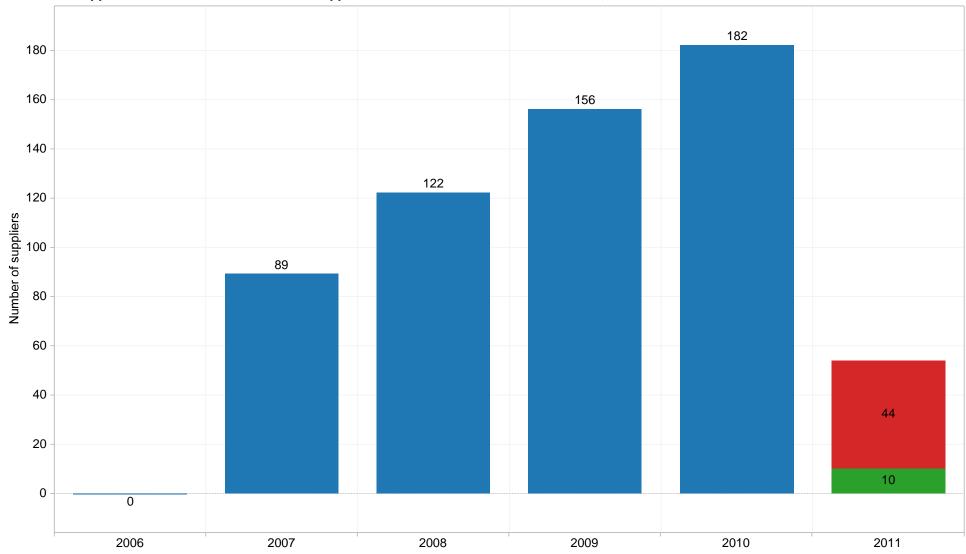
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Diabetic Supplies in Riverside-San Bernardino-Ontario, CA

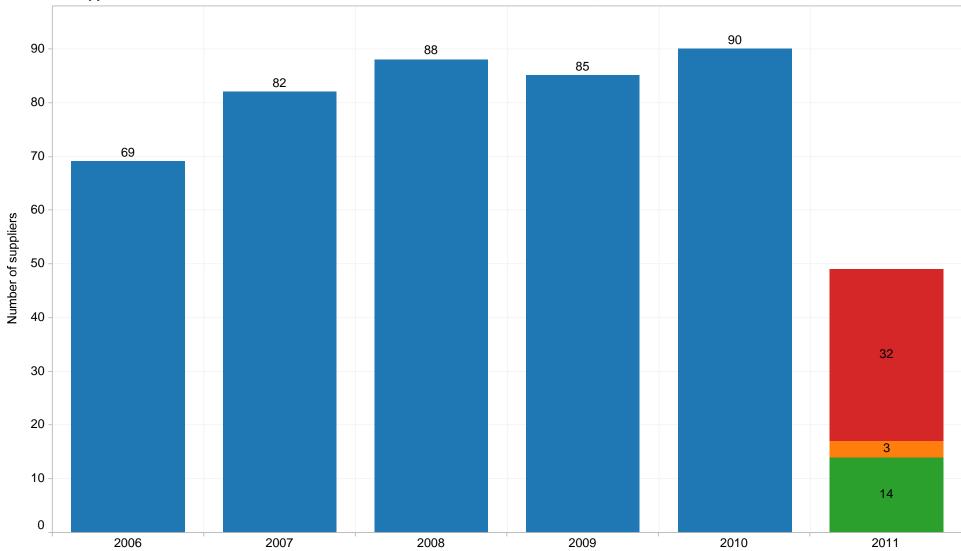


Supplier type

Non-contract supplier with claims submitted

Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Enteral Nutrients in Riverside-San Bernardino-Ontario, CA



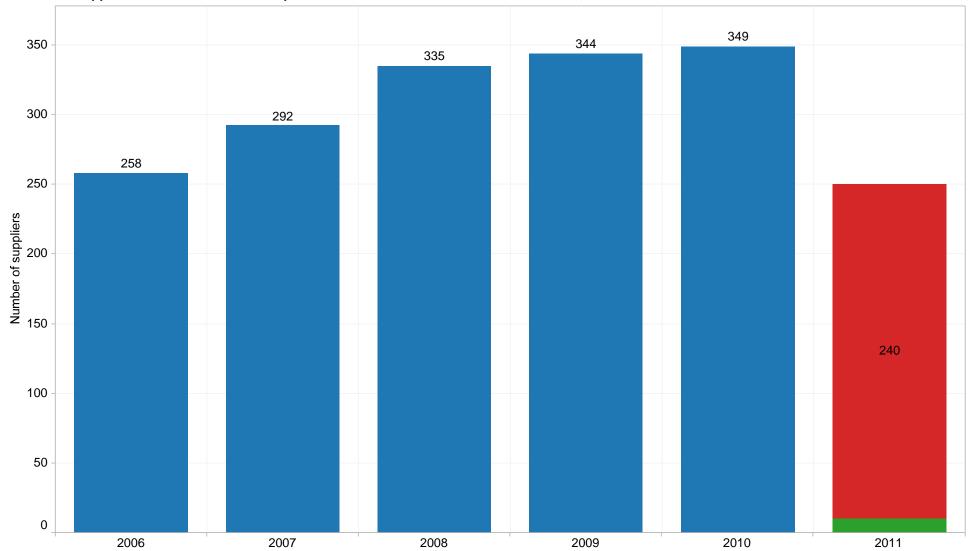
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Hospital Beds in Riverside-San Bernardino-Ontario, CA

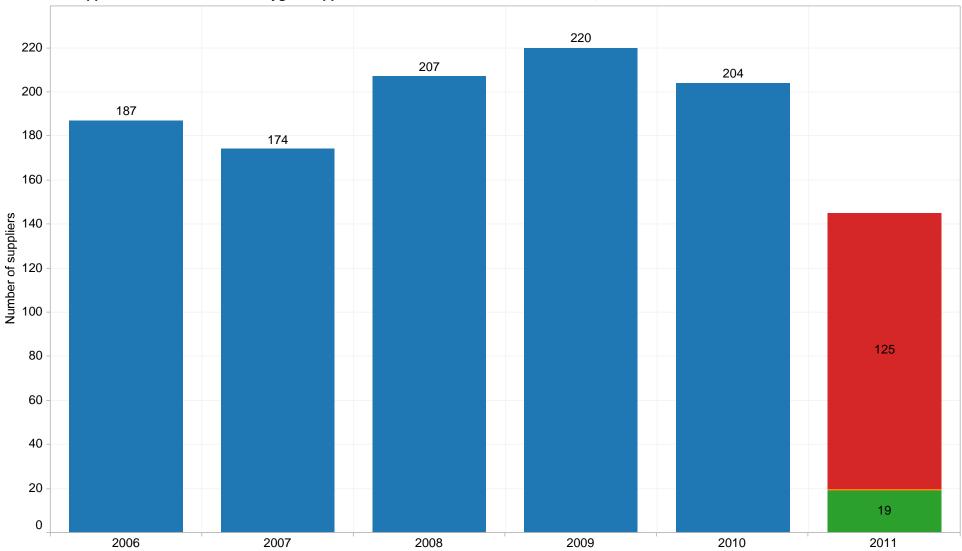


Supplier type

Non-contract supplier with claims submitted

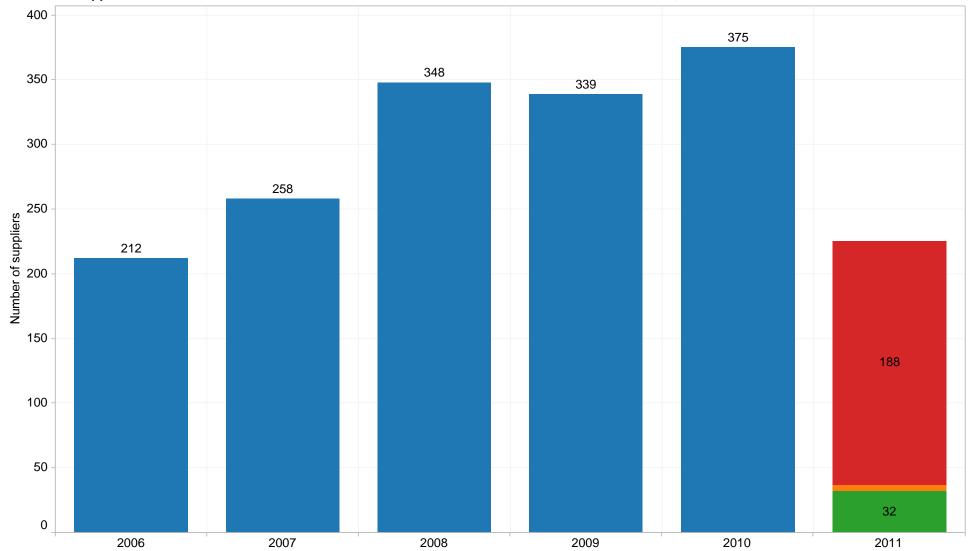
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Oxygen Supplies in Riverside-San Bernardino-Ontario, CA



- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

Number of suppliers from 2006 to 2011: Standard Power Wheelchairs in Riverside-San Bernardino-Ontario, CA



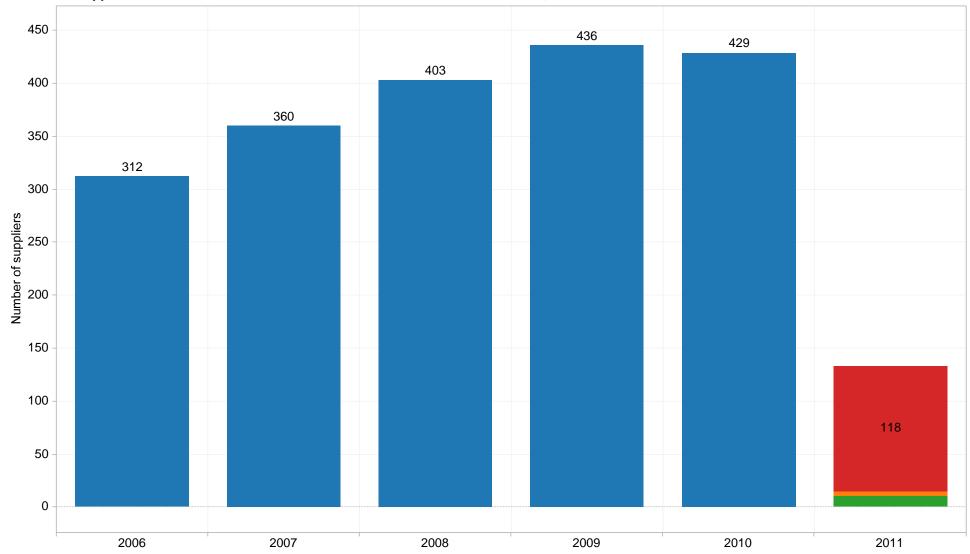
Supplier type

Non-contract supplier with claims submitted

Contract supplier without claims submitted

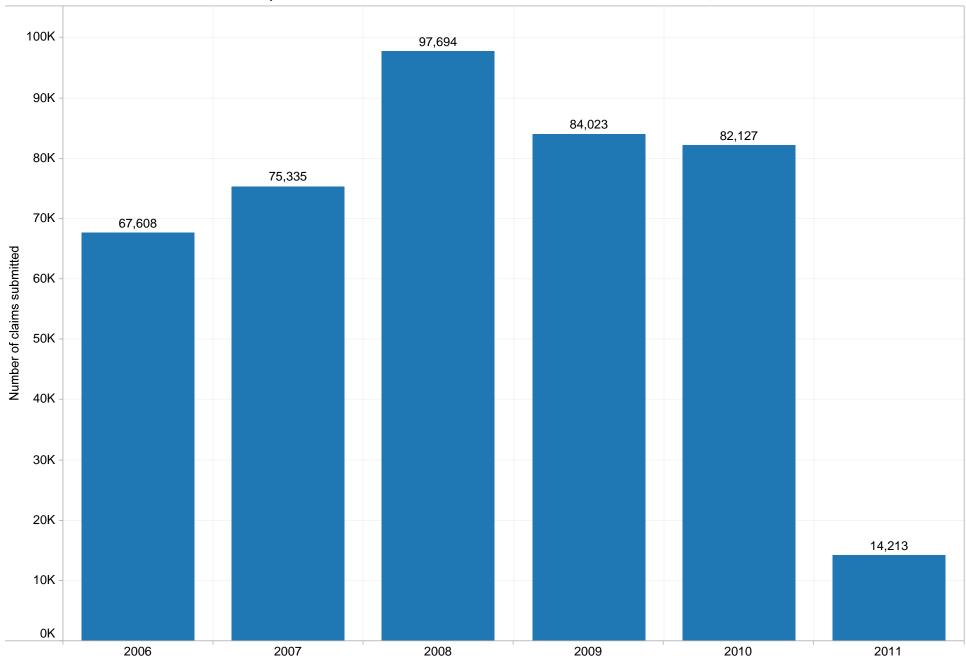
■ Contract supplier with claims submitted

Number of suppliers from 2006 to 2011: Walkers in Riverside-San Bernardino-Ontario, CA

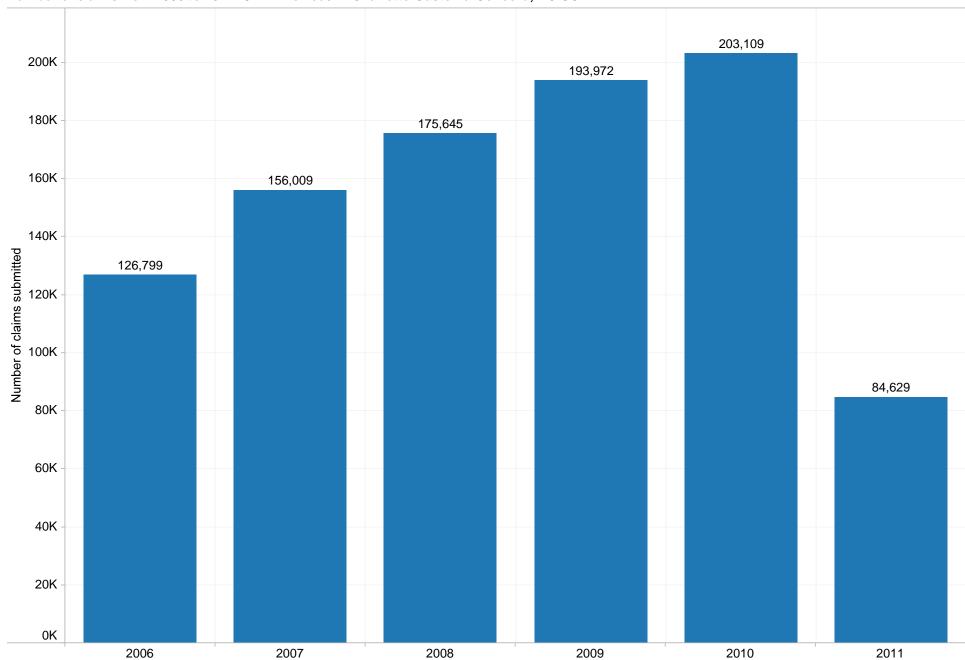


- Non-contract supplier with claims submitted
- Contract supplier without claims submitted
- Contract supplier with claims submitted
- Has claims submitted

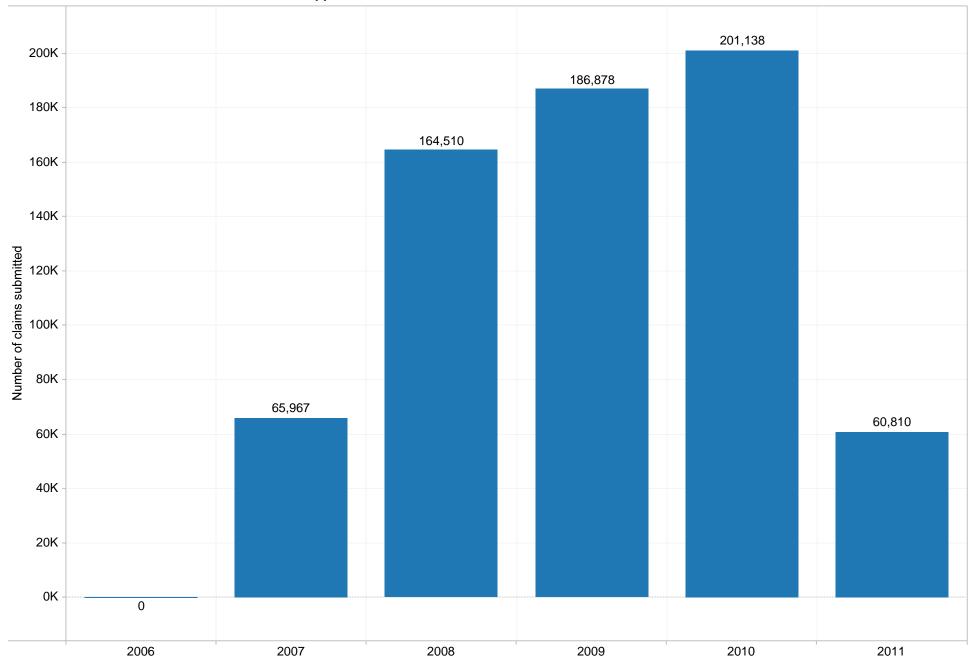
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Charlotte-Gastonia-Concord, NC-SC



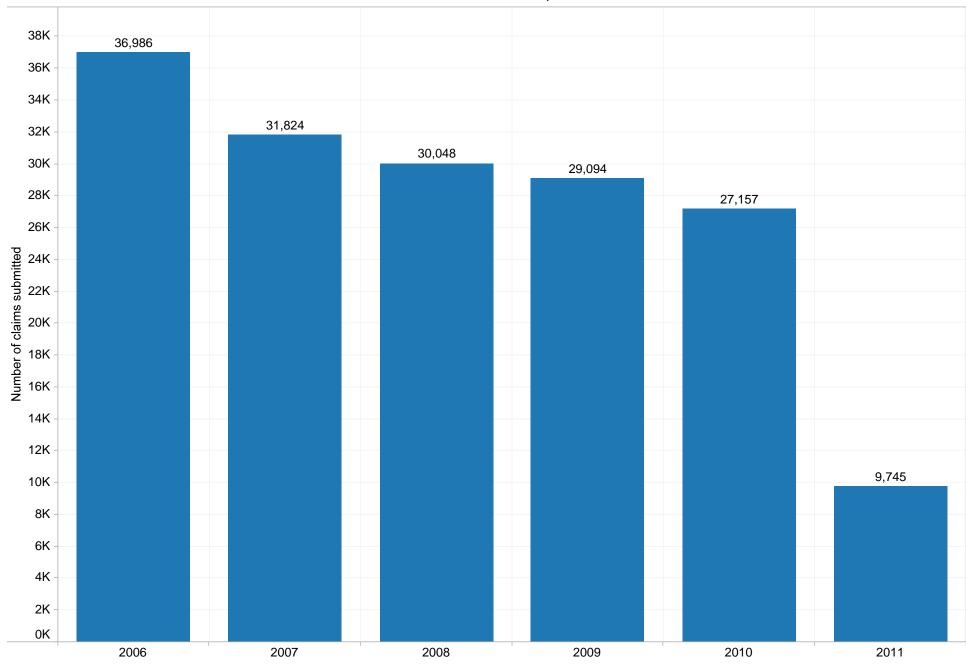
Number of claims from 2006 to 2011: CPAP Devices in Charlotte-Gastonia-Concord, NC-SC



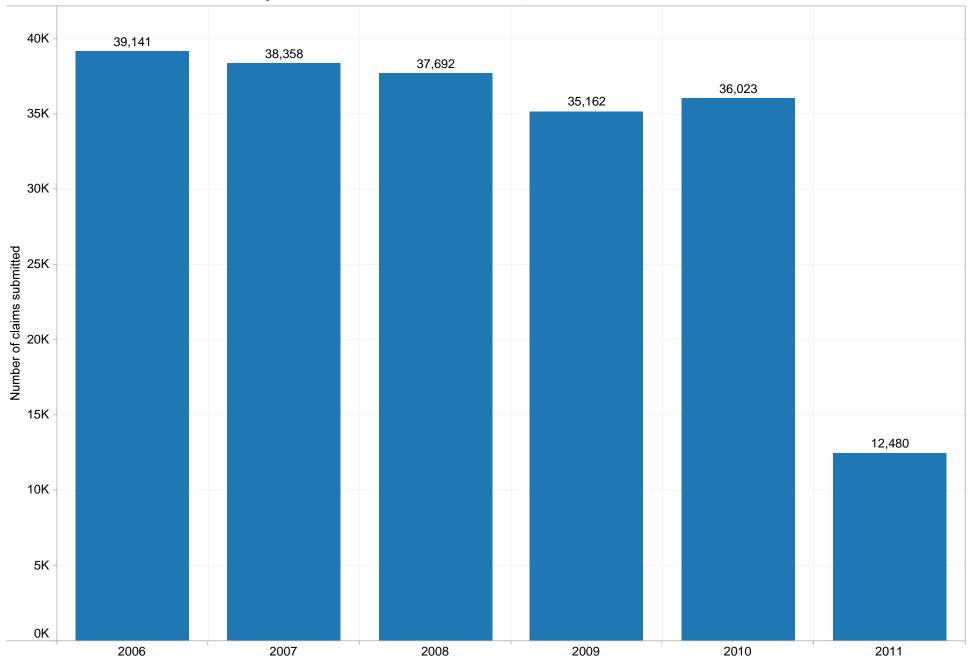
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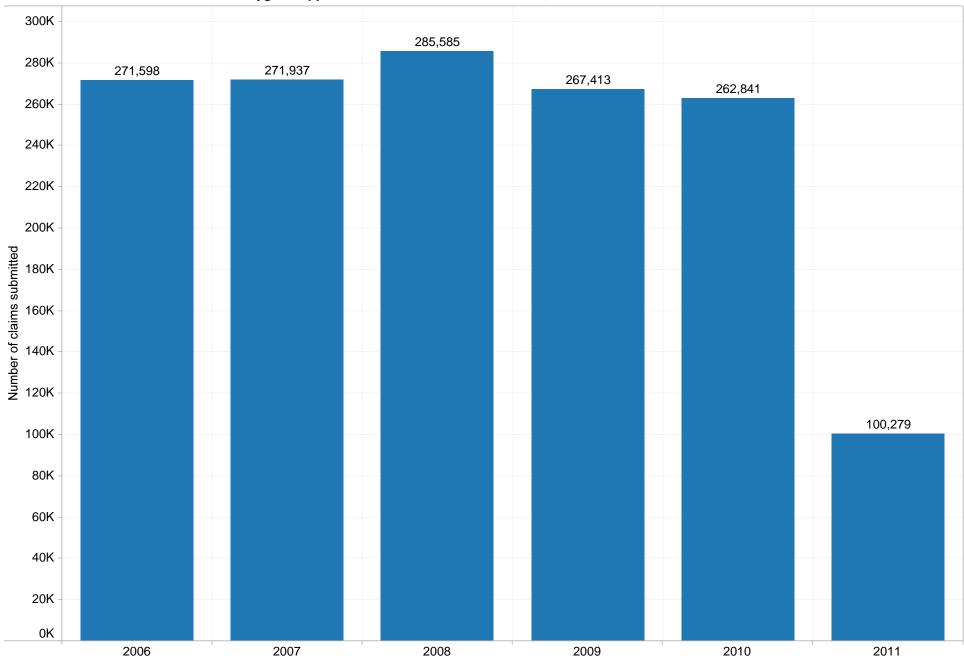
Number of claims from 2006 to 2011: Enteral Nutrients in Charlotte-Gastonia-Concord, NC-SC



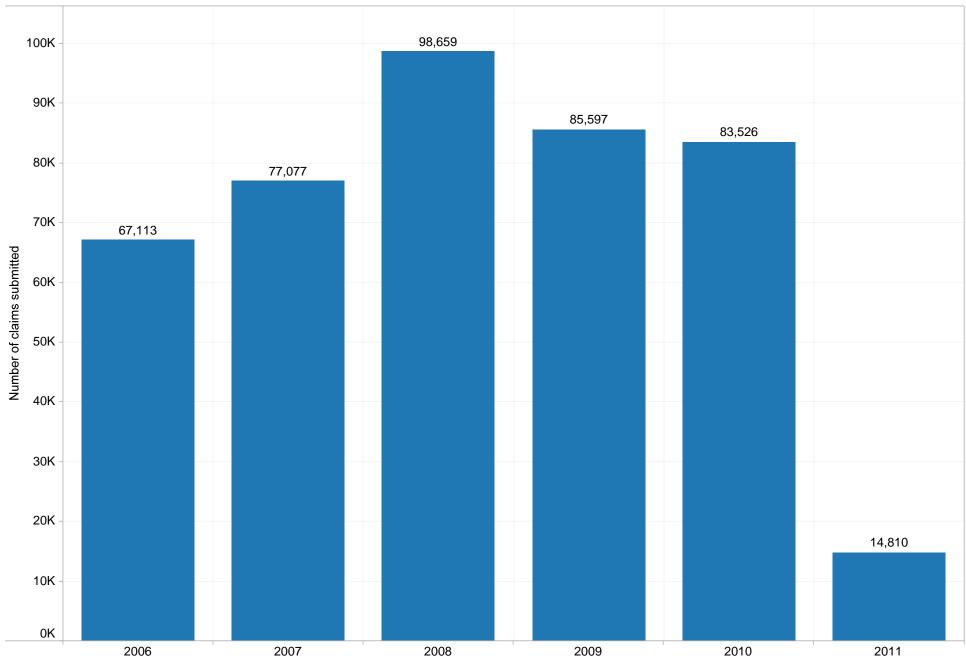
Number of claims from 2006 to 2011: Hospital Beds in Charlotte-Gastonia-Concord, NC-SC



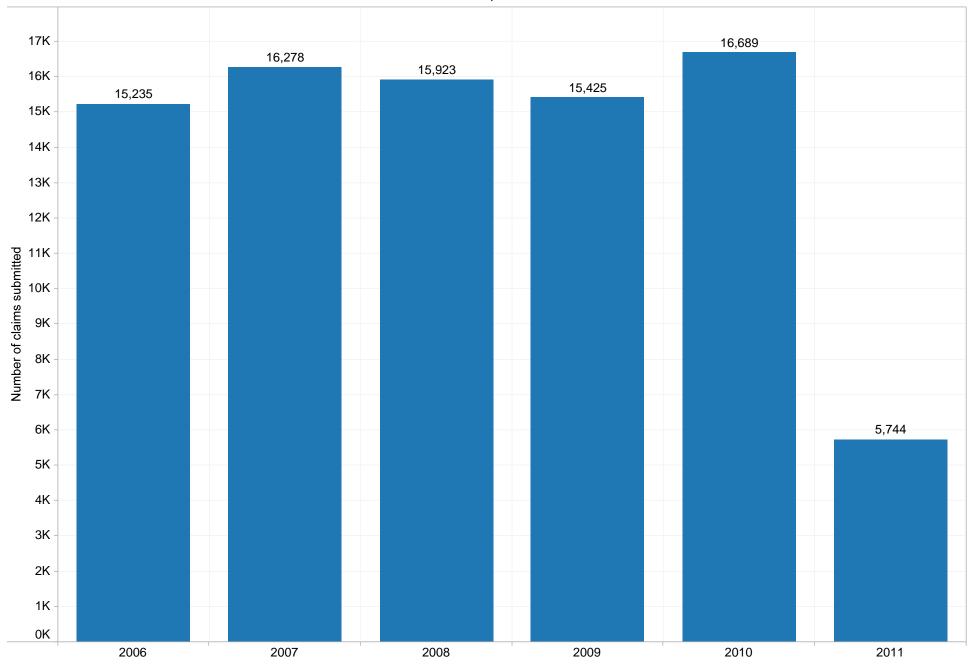
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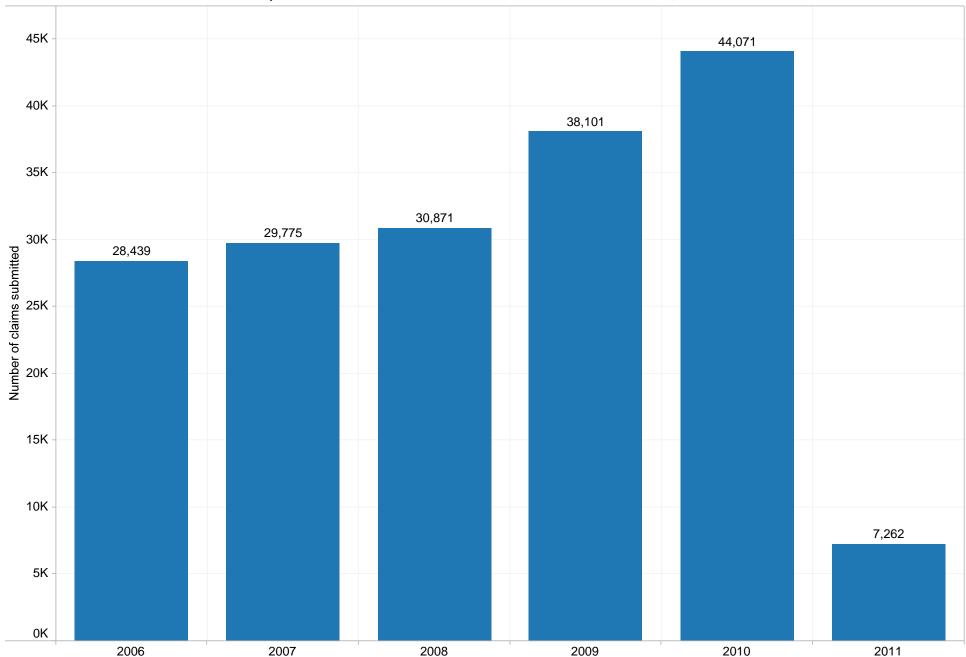
Number of claims from 2006 to 2011: Standard Power Wheelchairs in Charlotte-Gastonia-Concord, NC-SC



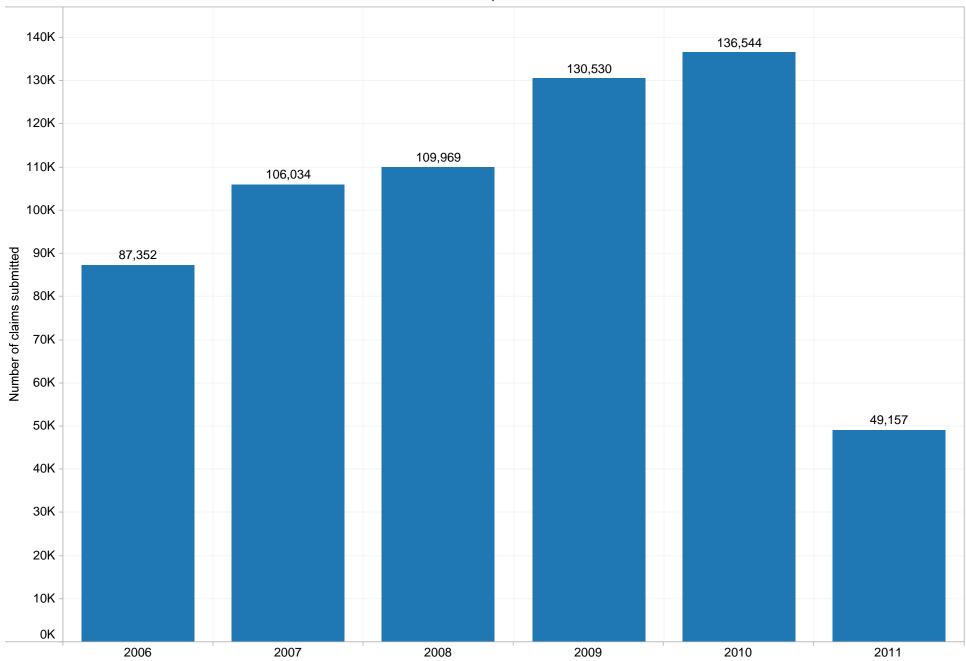
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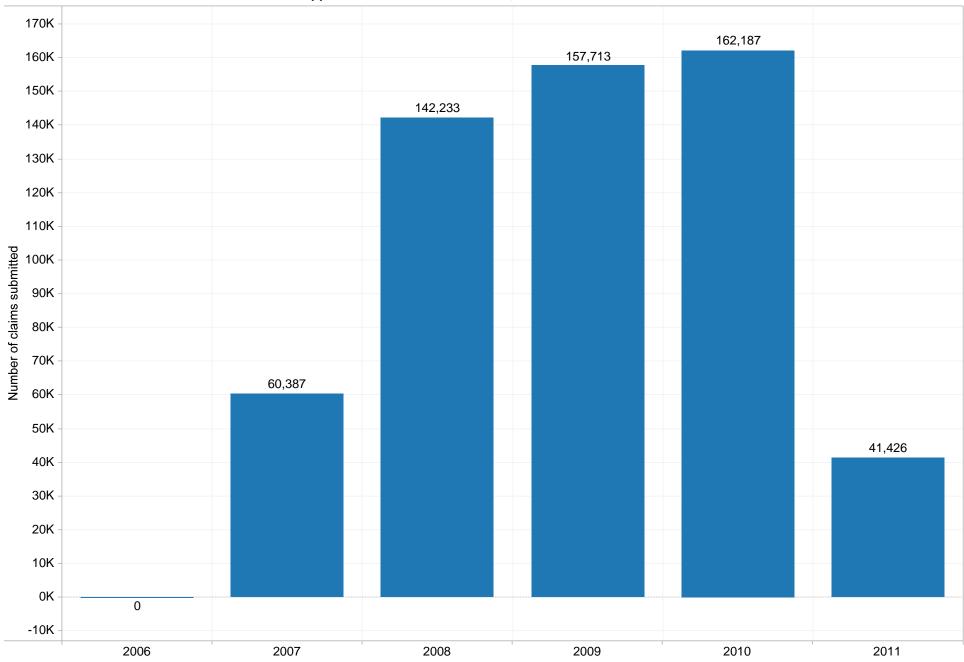
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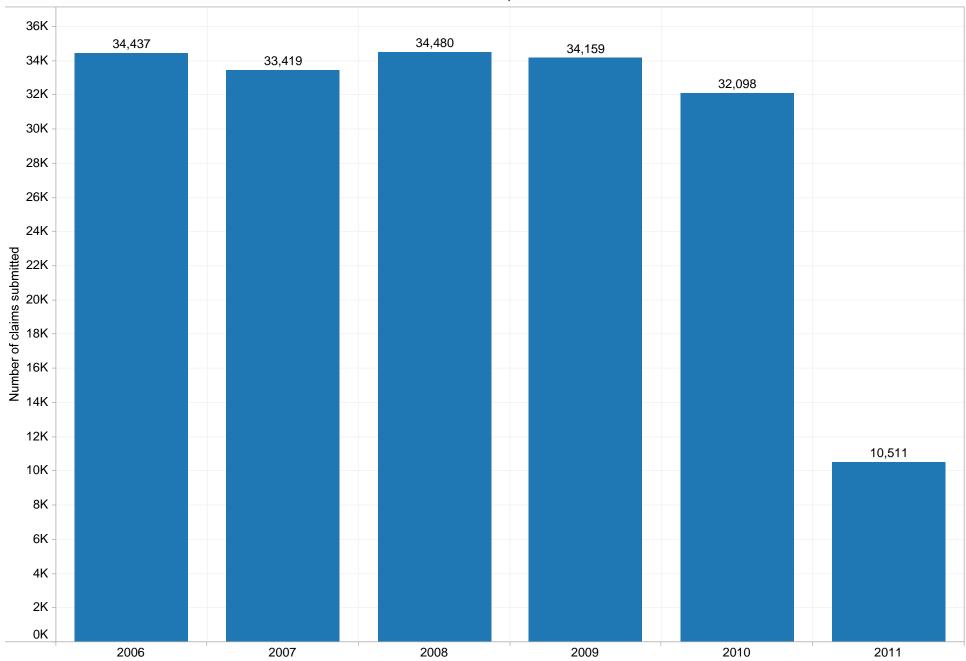
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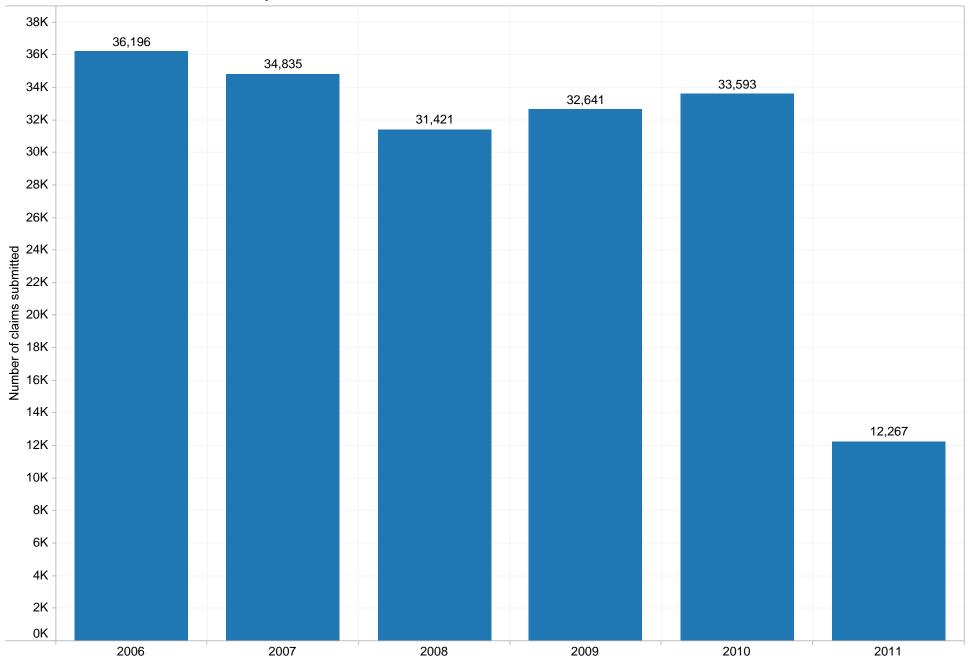
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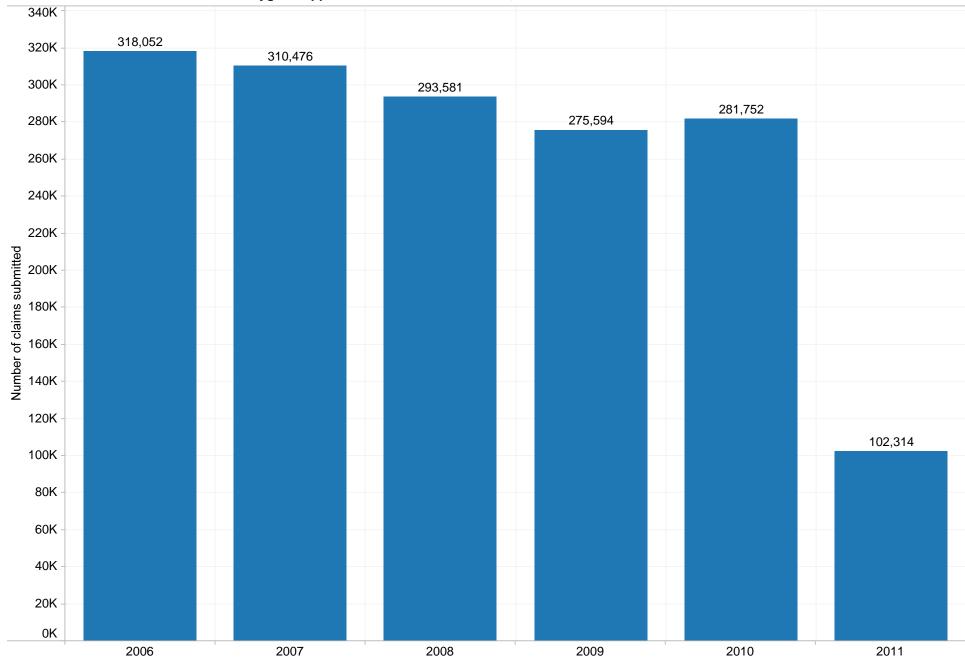
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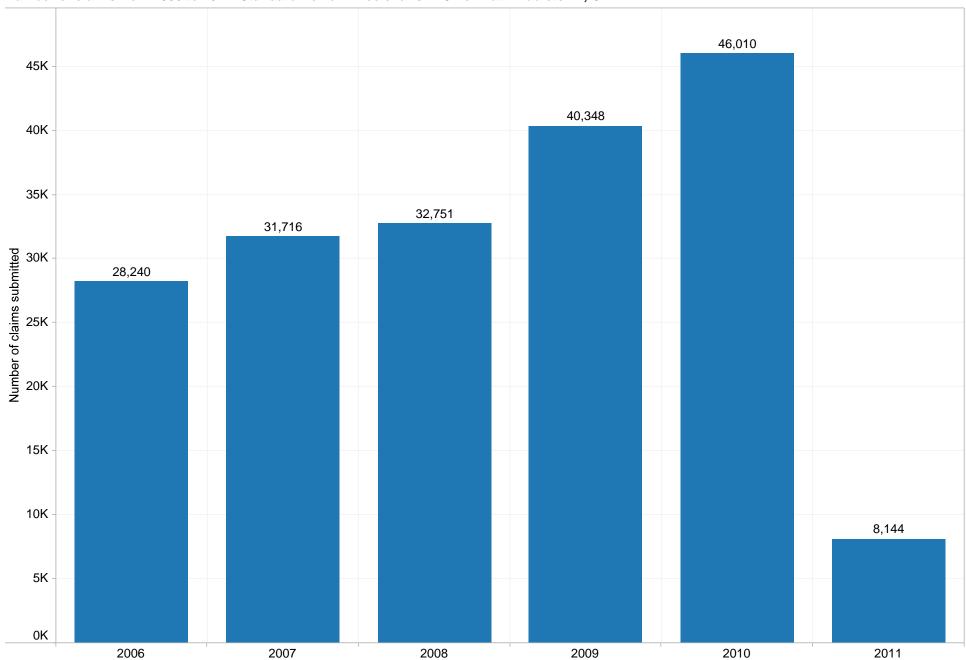
Number of claims from 2006 to 2011: Hospital Beds in Cincinnati-Middletown, OH-KY-IN



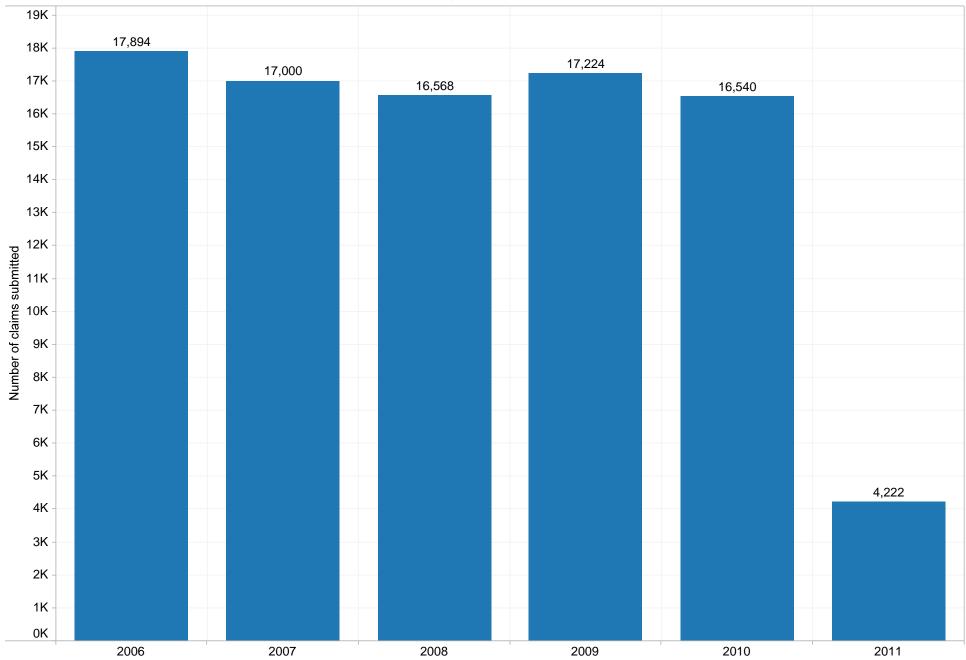
Number of claims from 2006 to 2011: Oxygen Supplies in Cincinnati-Middletown, OH-KY-IN



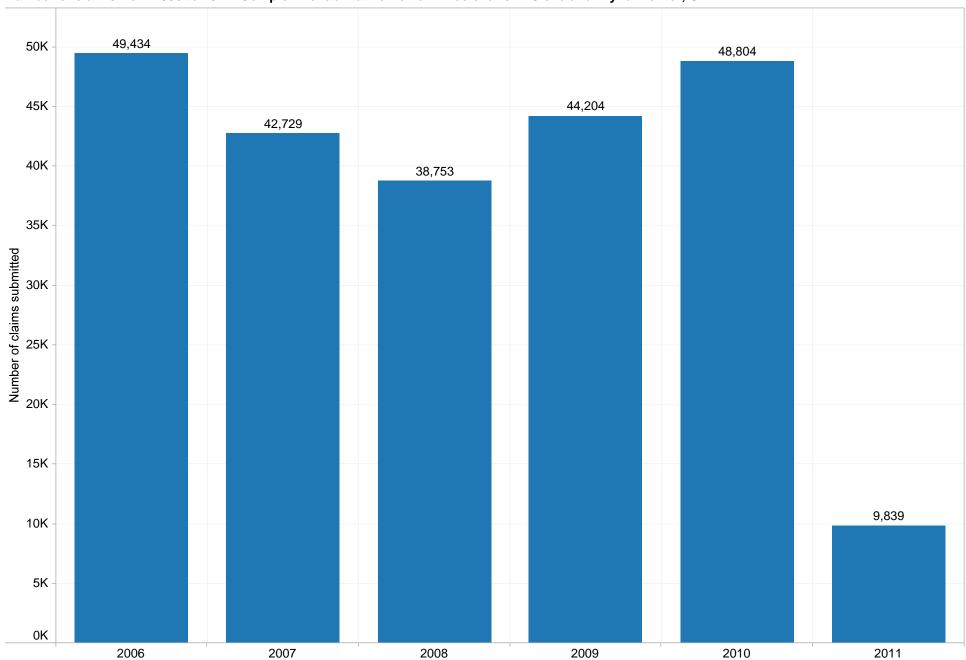
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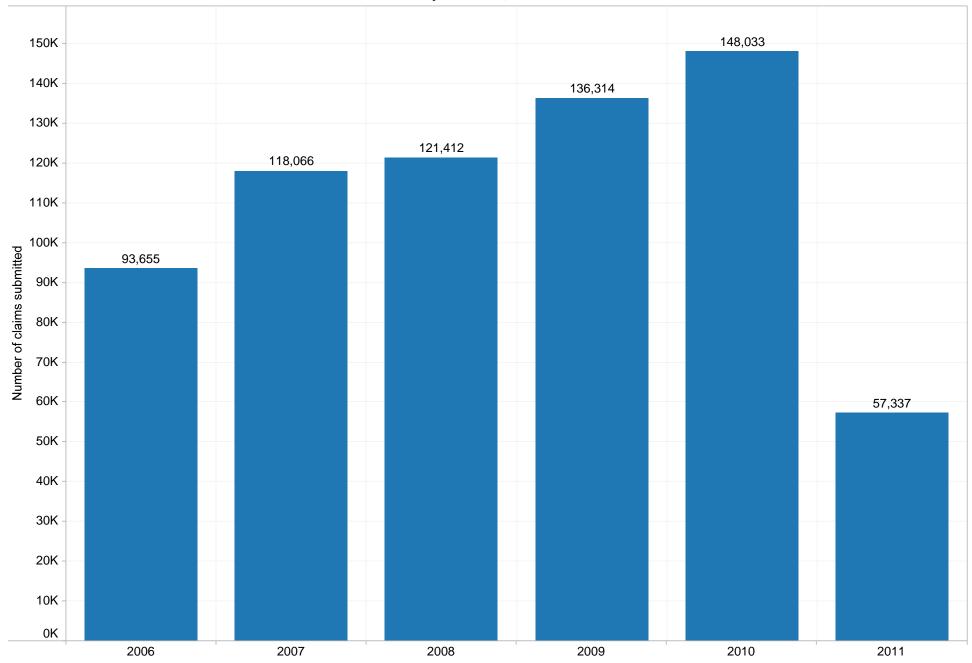
Number of claims from 2006 to 2011: Walkers in Cincinnati-Middletown, OH-KY-IN



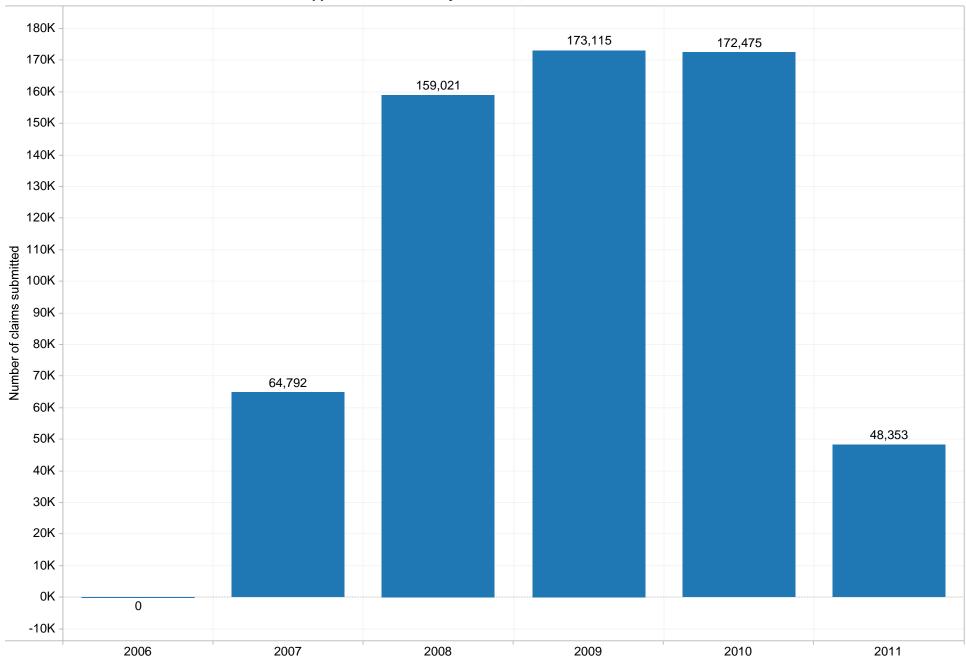
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Cleveland-Elyria-Mentor, OH



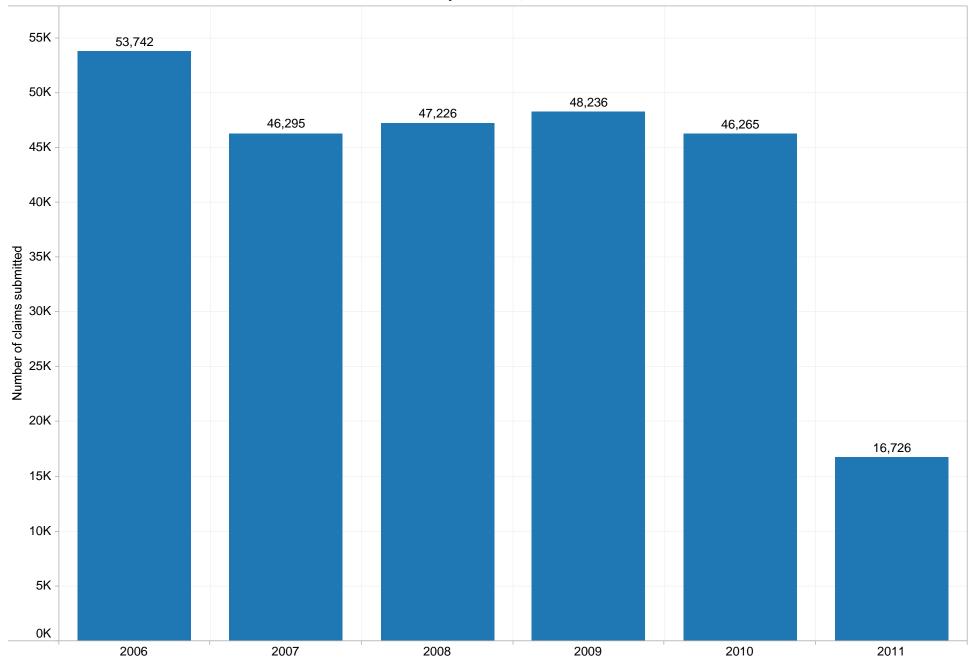
Number of claims from 2006 to 2011: CPAP Devices in Cleveland-Elyria-Mentor, OH



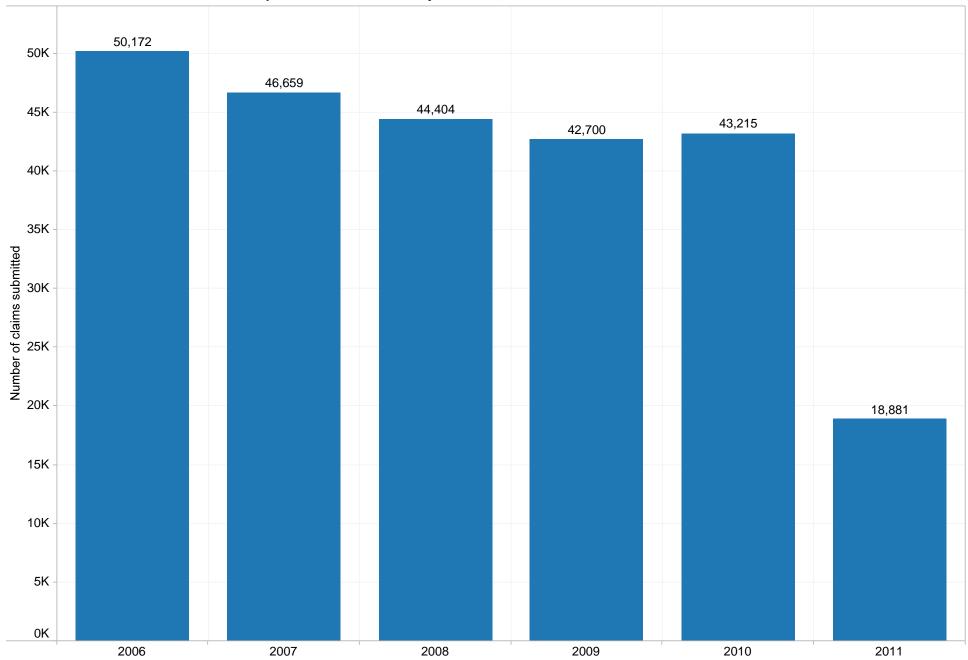
Number of claims from 2006 to 2011: Diabetic Supplies in Cleveland-Elyria-Mentor, OH



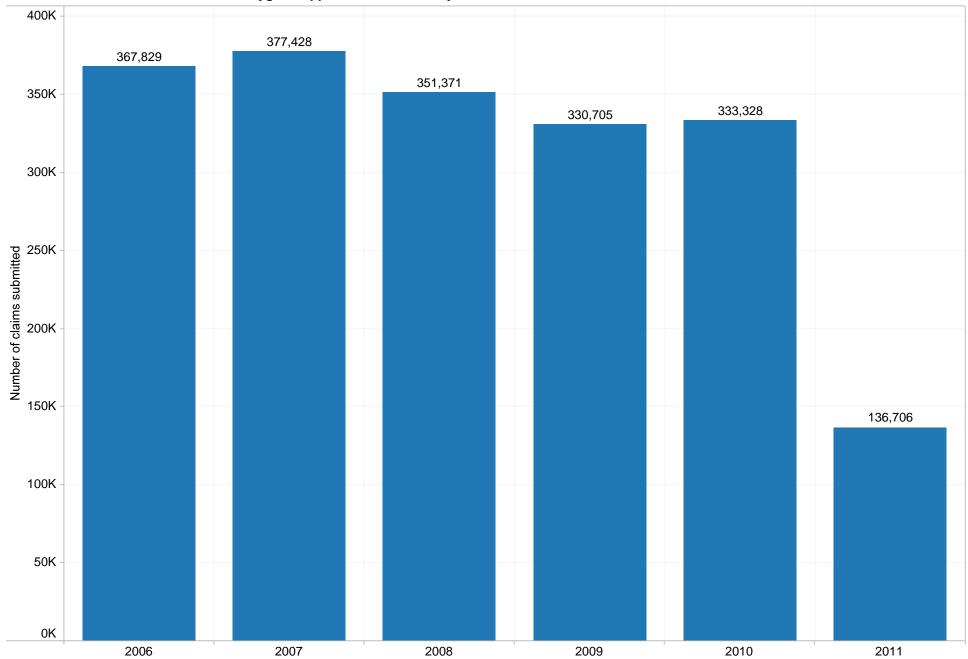
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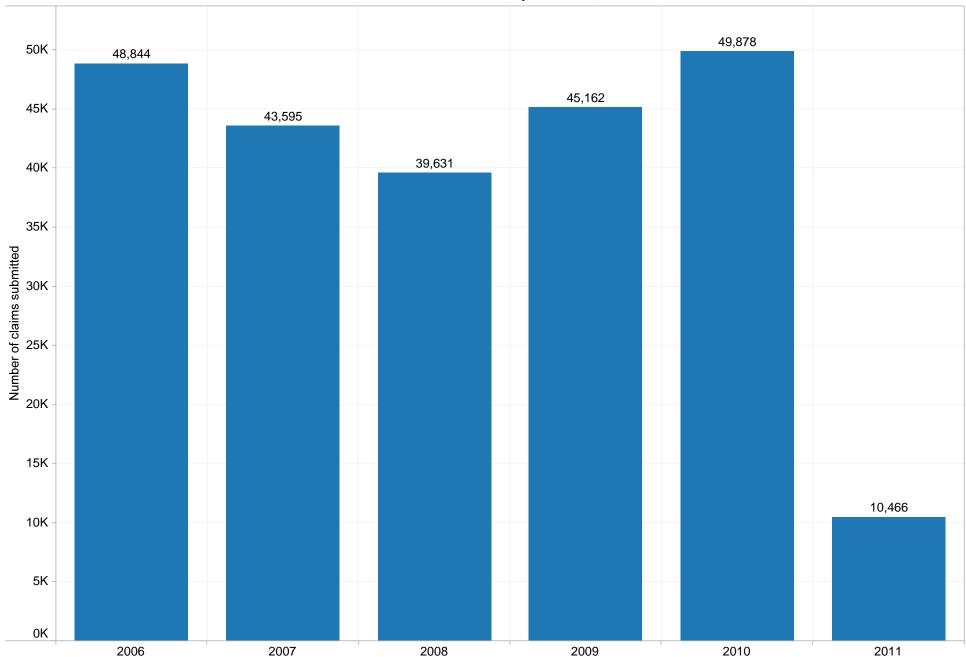
Number of claims from 2006 to 2011: Hospital Beds in Cleveland-Elyria-Mentor, OH



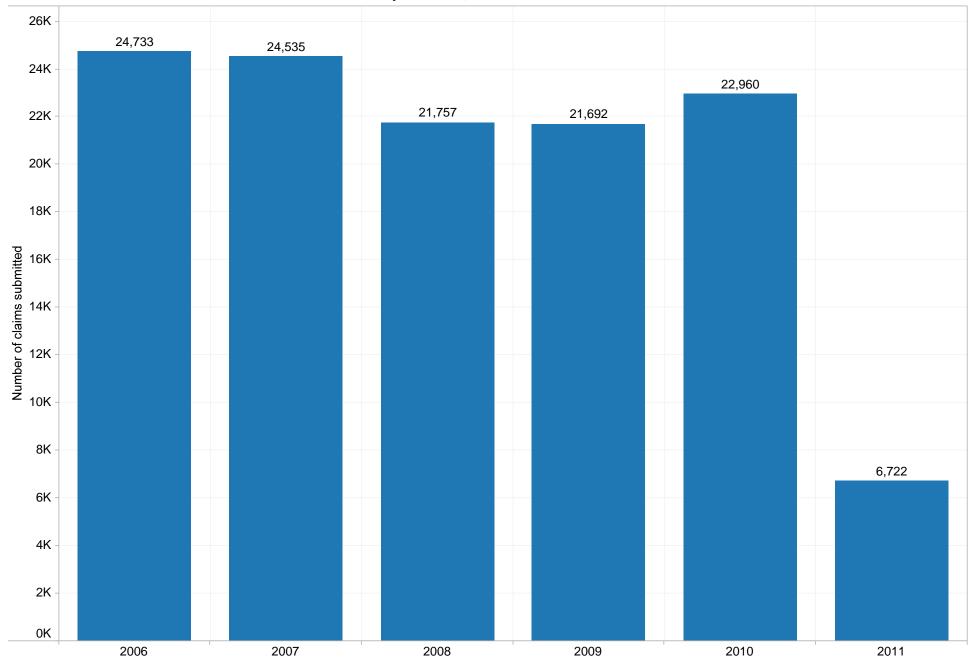
Number of claims from 2006 to 2011: Oxygen Supplies in Cleveland-Elyria-Mentor, OH



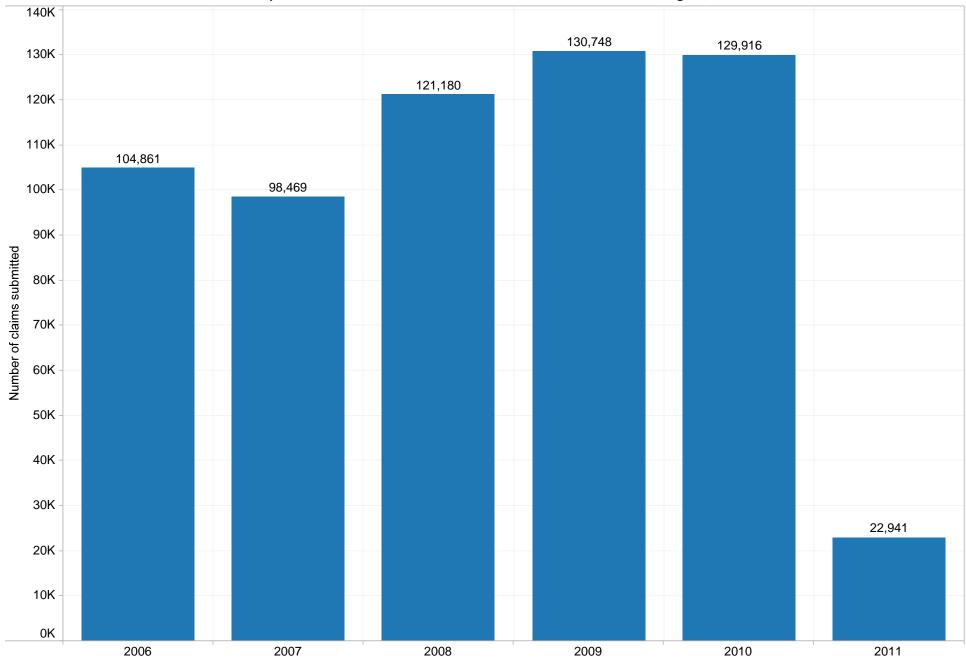
Number of claims from 2006 to 2011: Standard Power Wheelchairs in Cleveland-Elyria-Mentor, OH



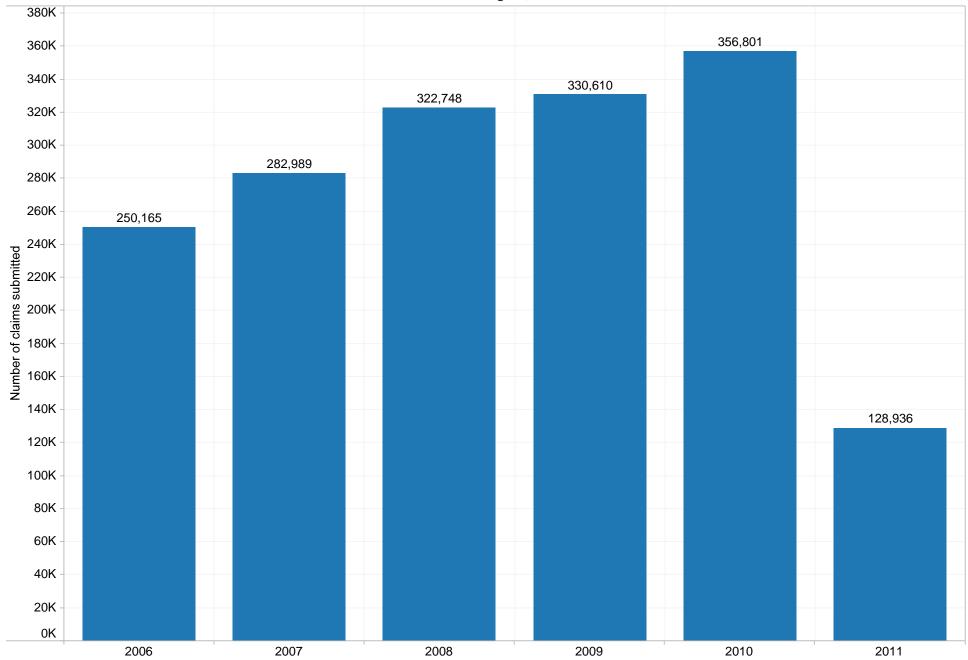
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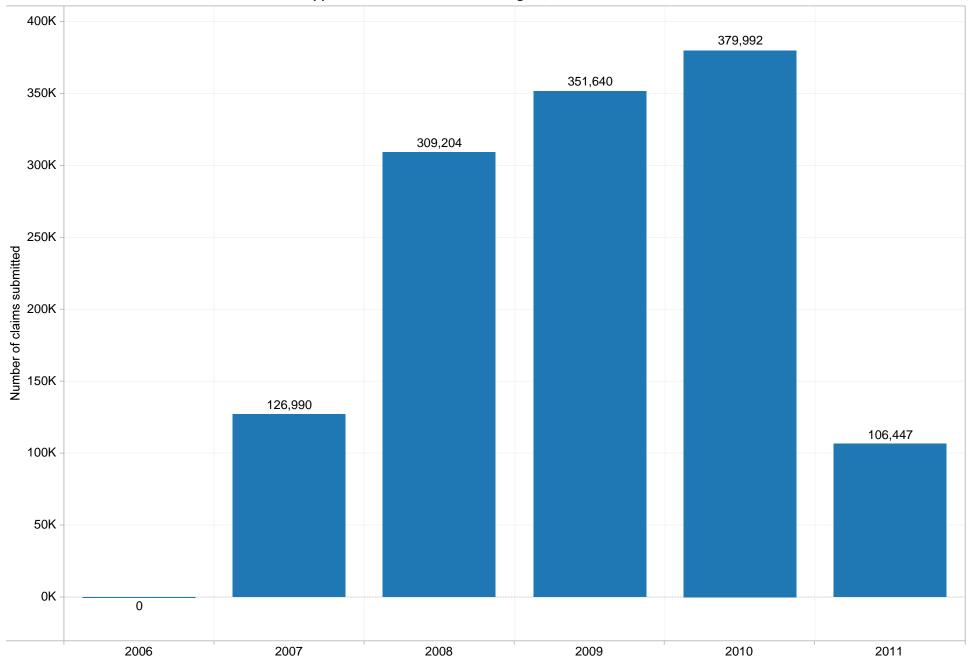
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Dallas-Fort Worth-Arlington, TX



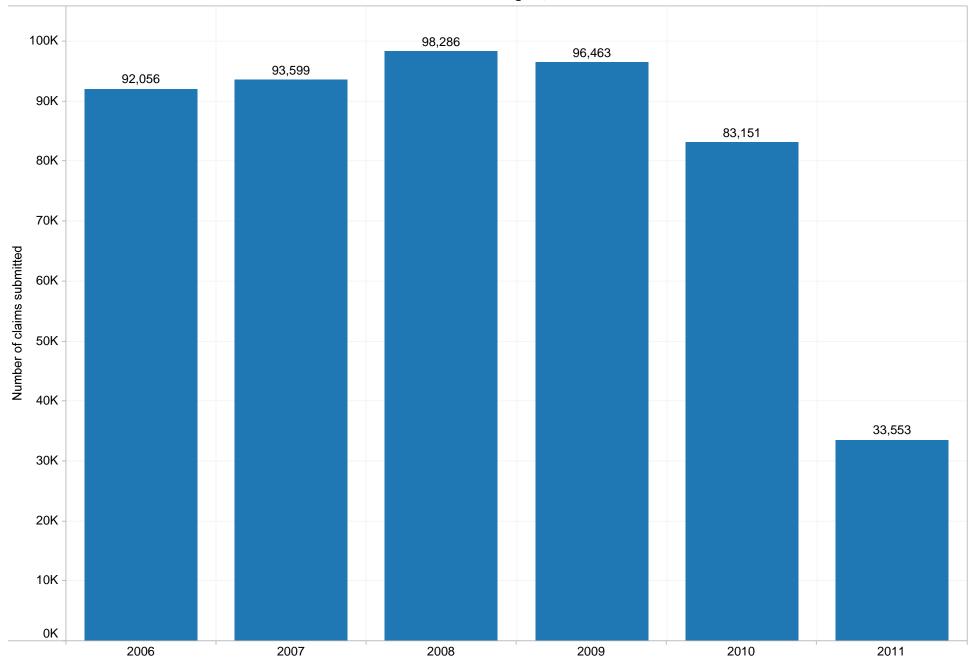
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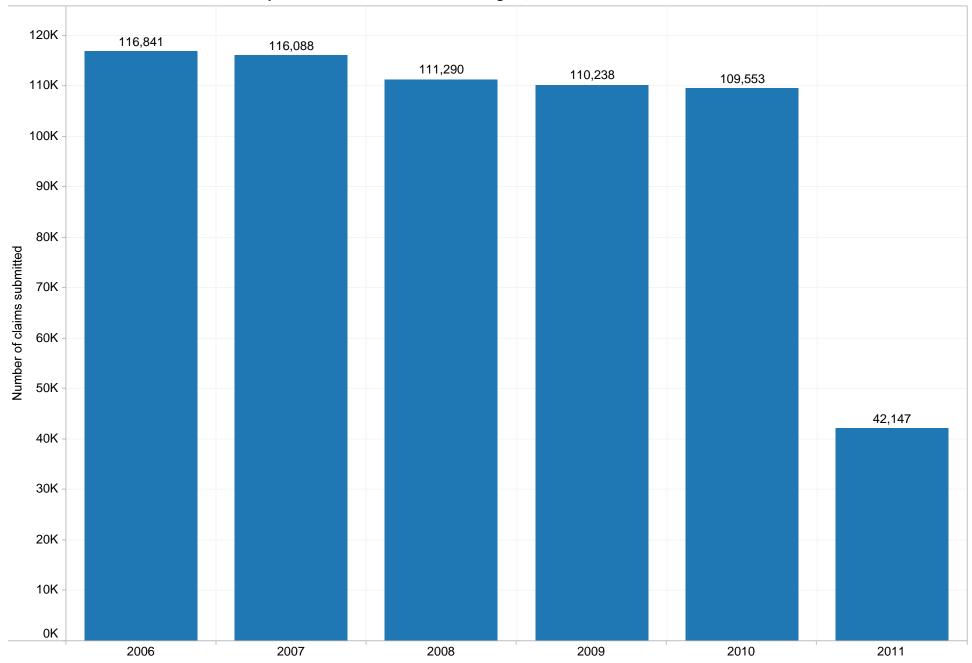
Number of claims from 2006 to 2011: Diabetic Supplies in Dallas-Fort Worth-Arlington, TX



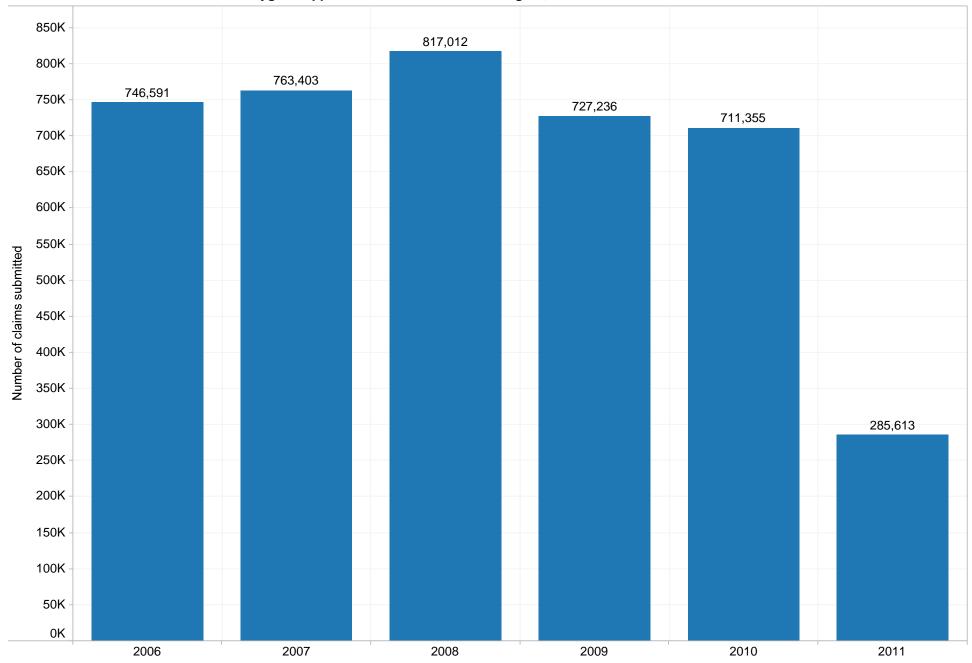
Number of claims from 2006 to 2011: Enteral Nutrients in Dallas-Fort Worth-Arlington, TX



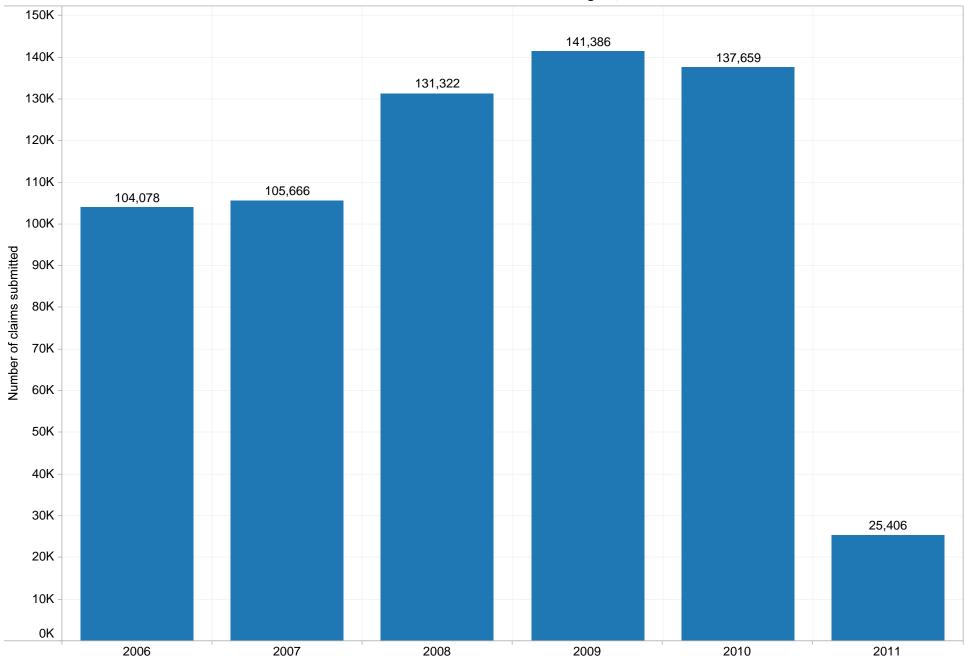
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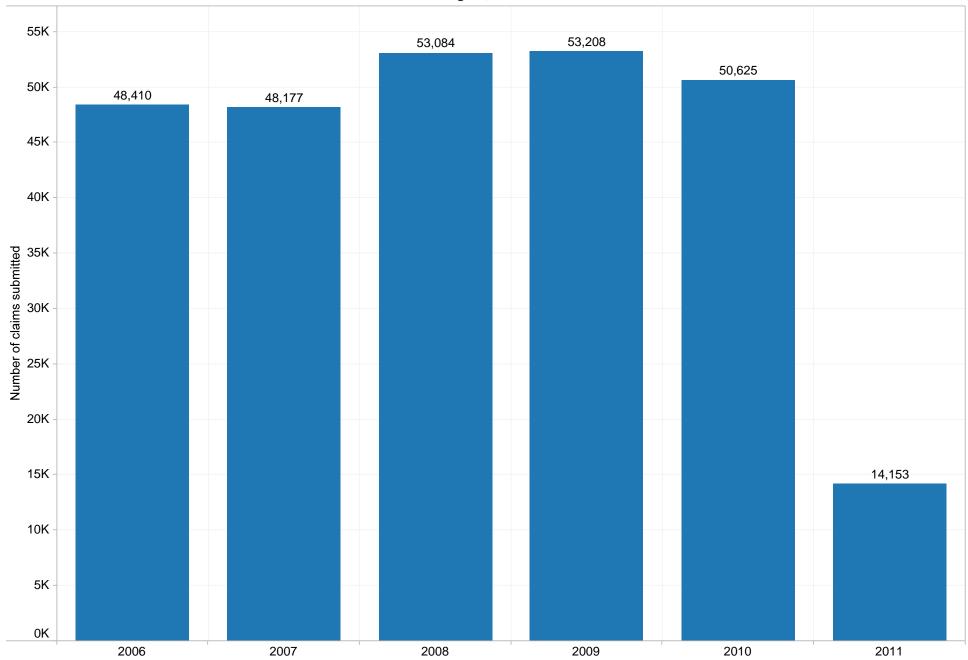
Number of claims from 2006 to 2011: Oxygen Supplies in Dallas-Fort Worth-Arlington, TX



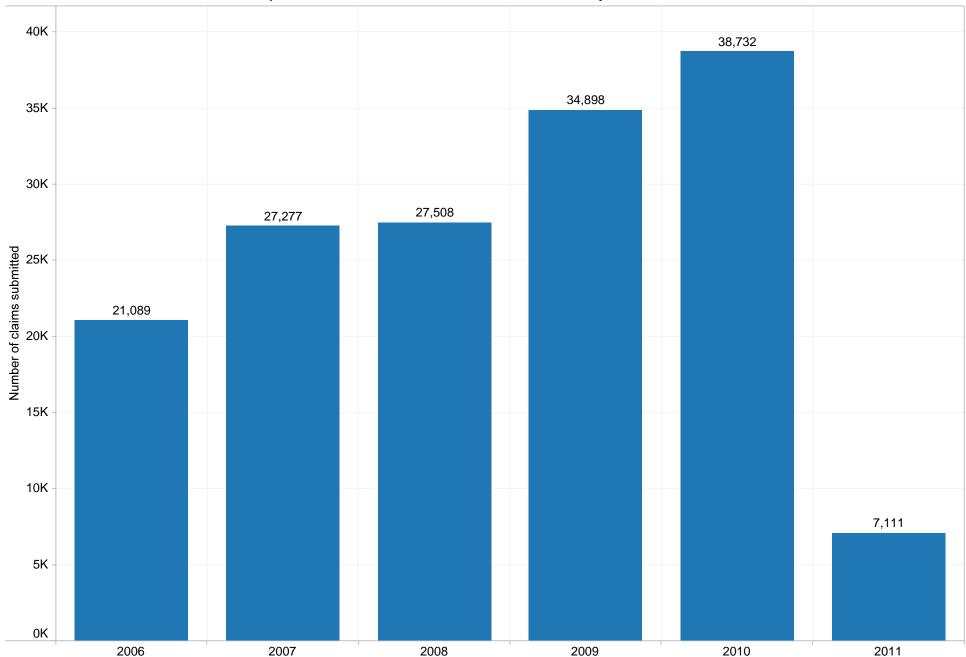
Number of claims from 2006 to 2011: Standard Power Wheelchairs in Dallas-Fort Worth-Arlington, TX



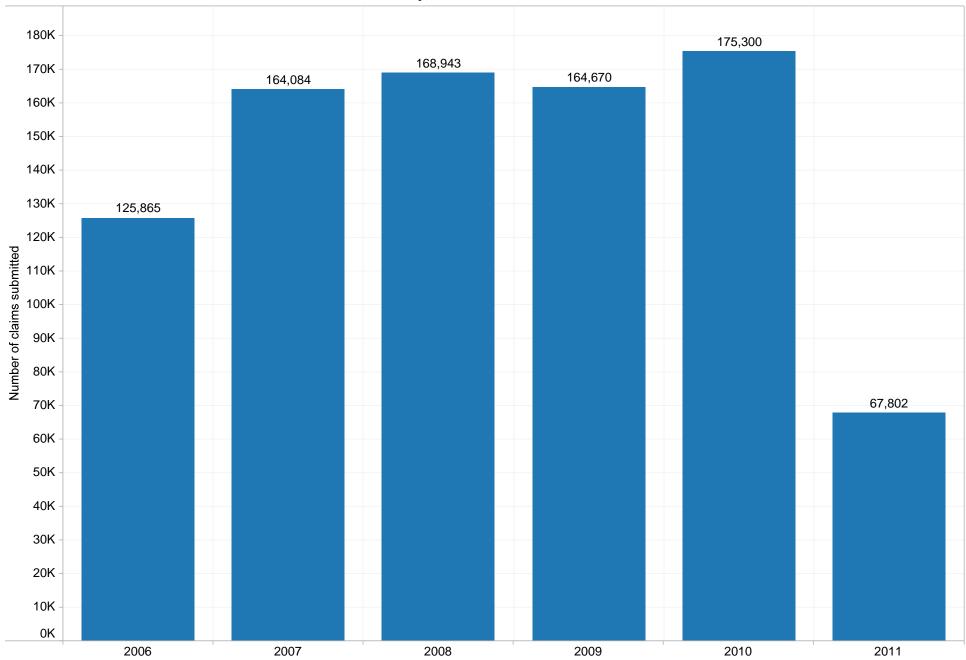
Number of claims from 2006 to 2011: Walkers in Dallas-Fort Worth-Arlington, TX



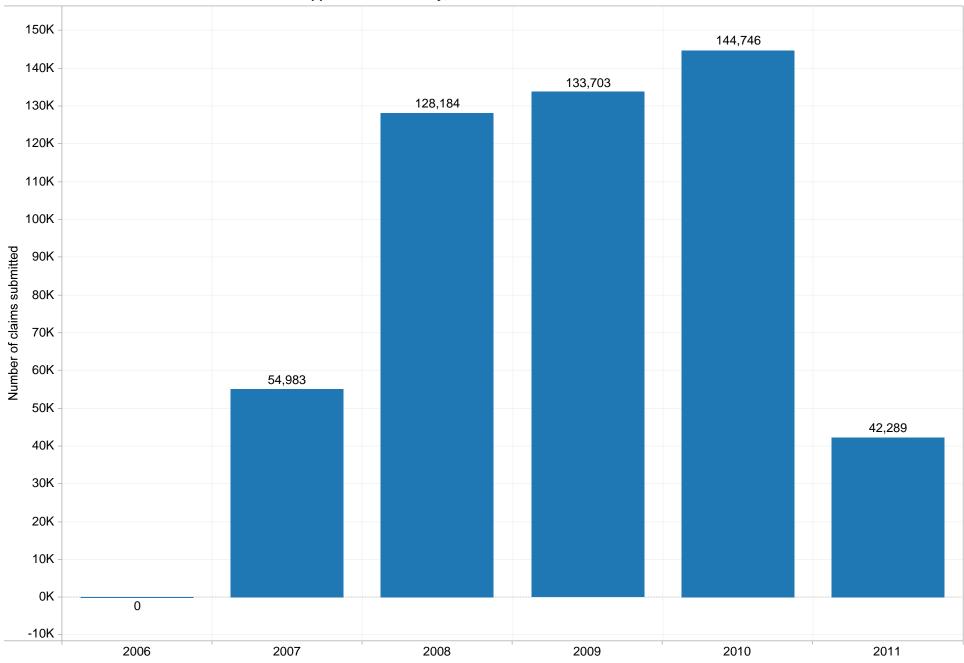
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Kansas City, MO-KS



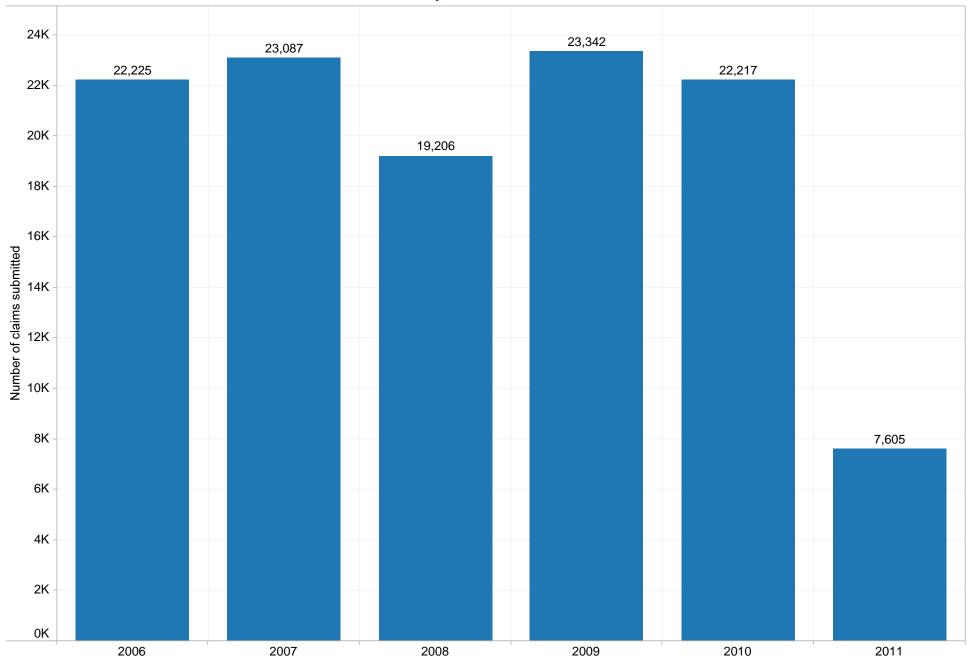
Number of claims from 2006 to 2011: CPAP Devices in Kansas City, MO-KS



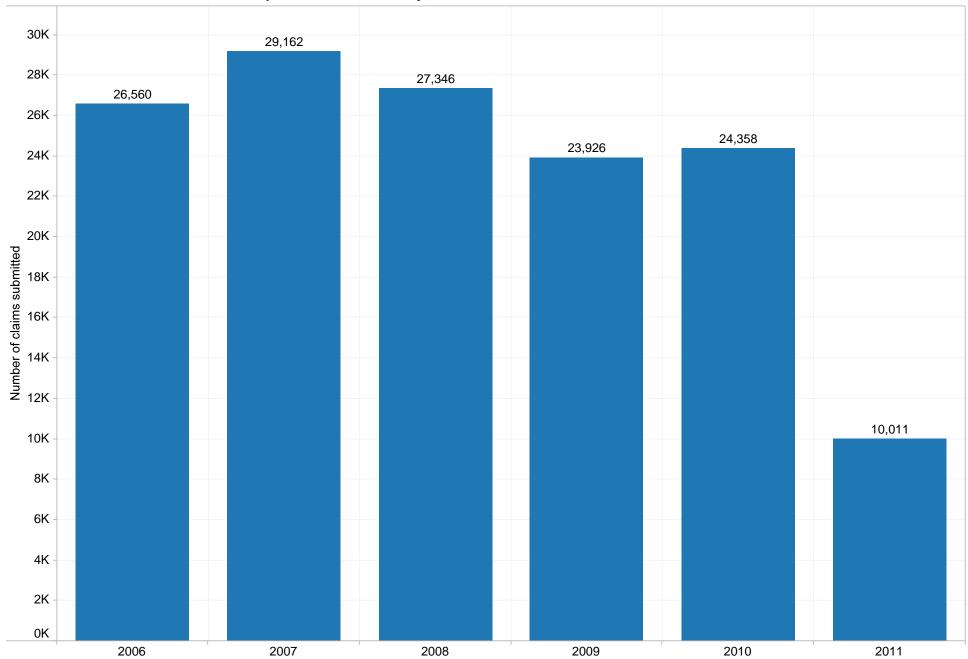
Number of claims from 2006 to 2011: Diabetic Supplies in Kansas City, MO-KS



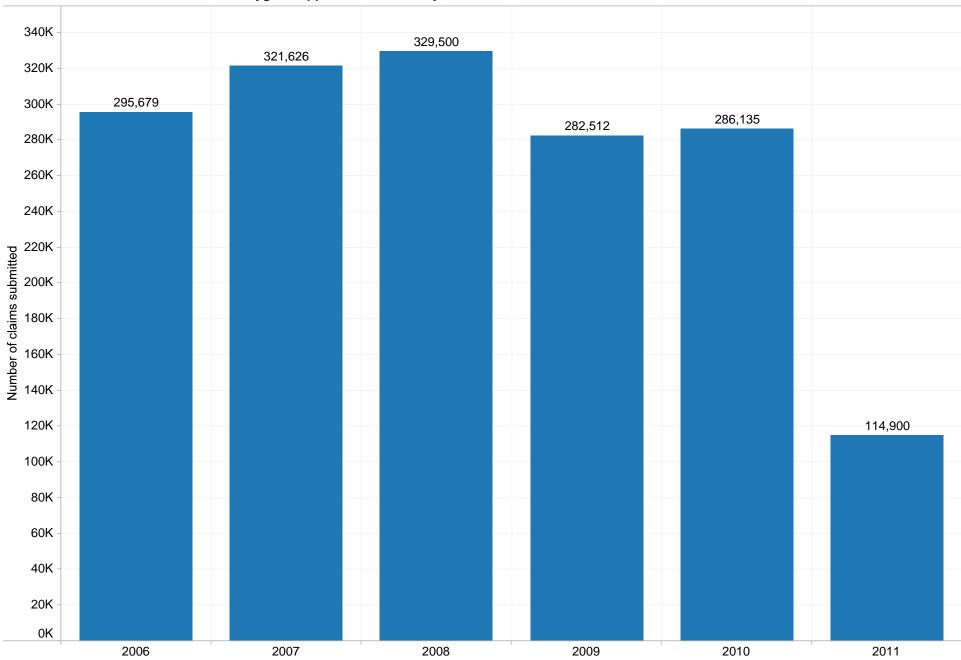
Number of claims from 2006 to 2011: Enteral Nutrients in Kansas City, MO-KS



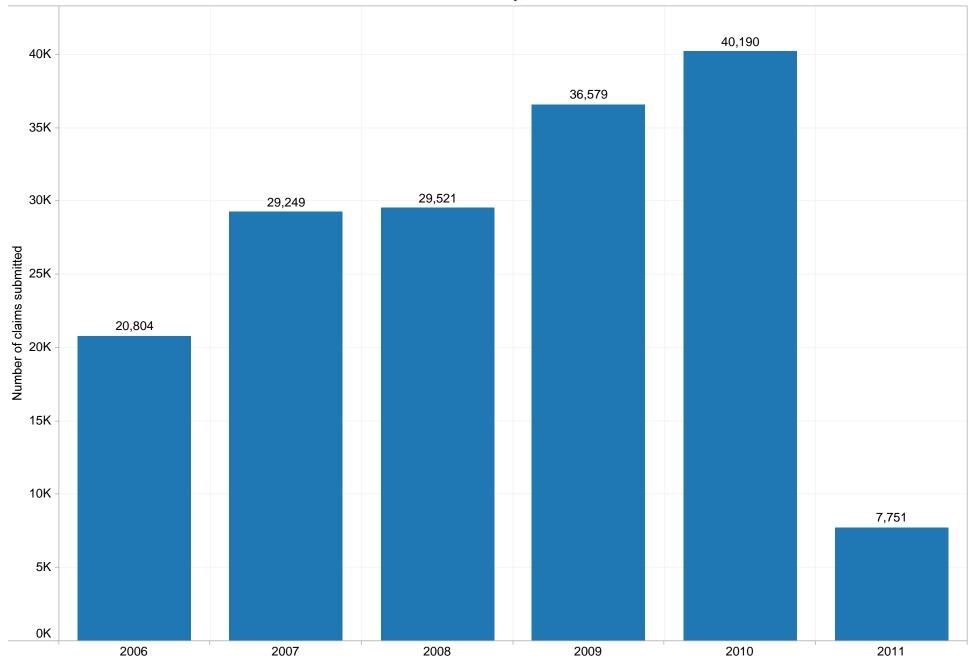
Number of claims from 2006 to 2011: Hospital Beds in Kansas City, MO-KS



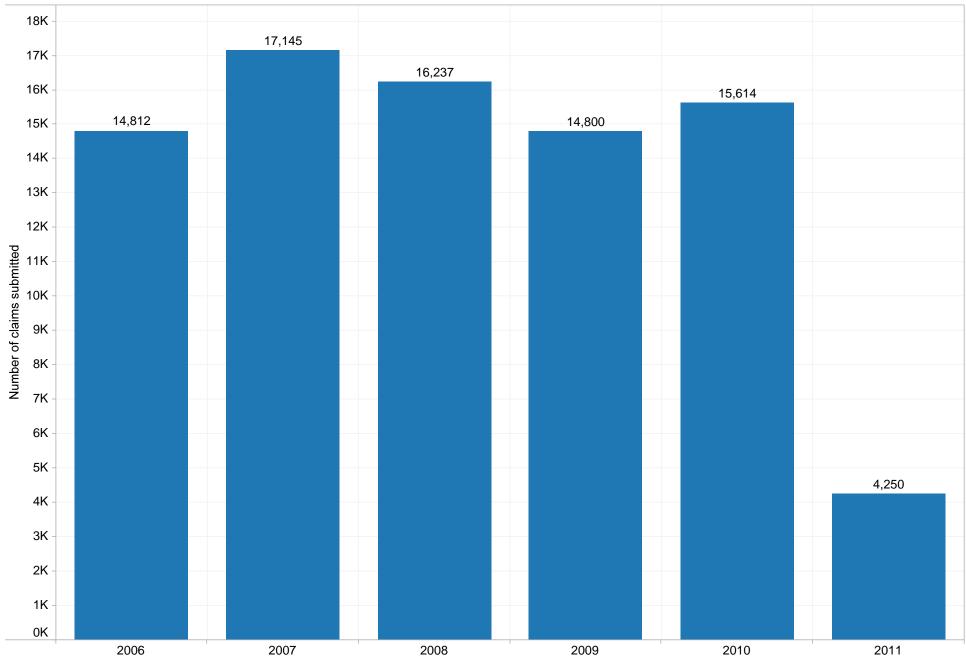
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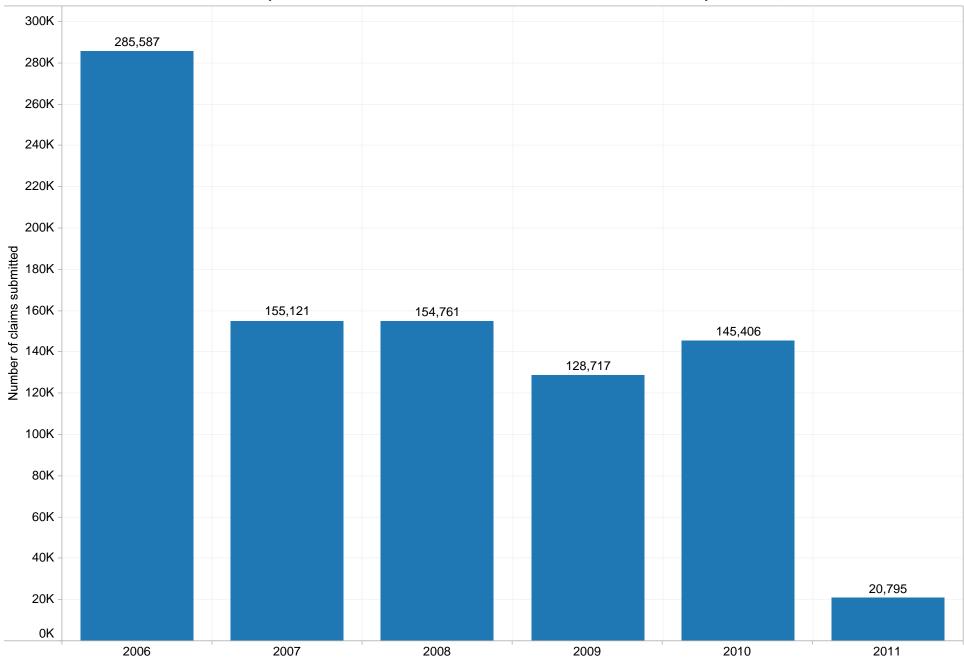
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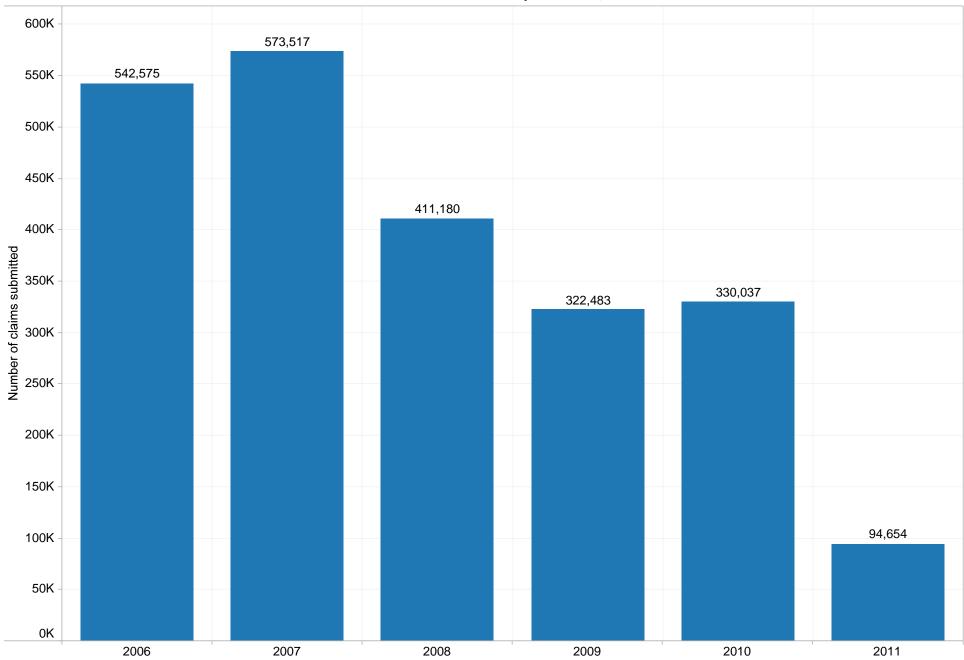
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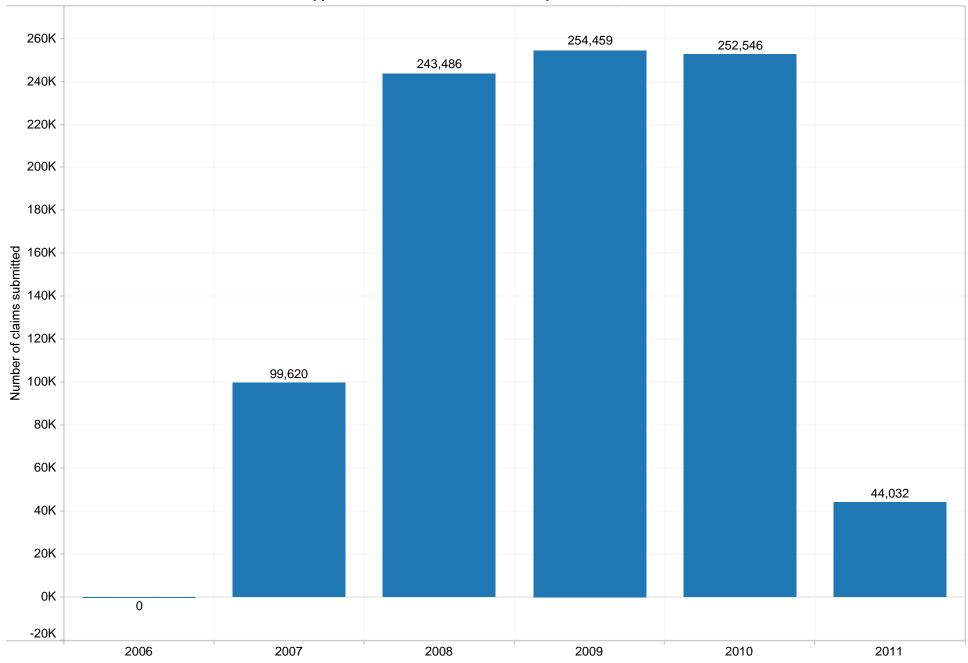
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Miami-Fort Lauderdale-Pompano Beach, FL



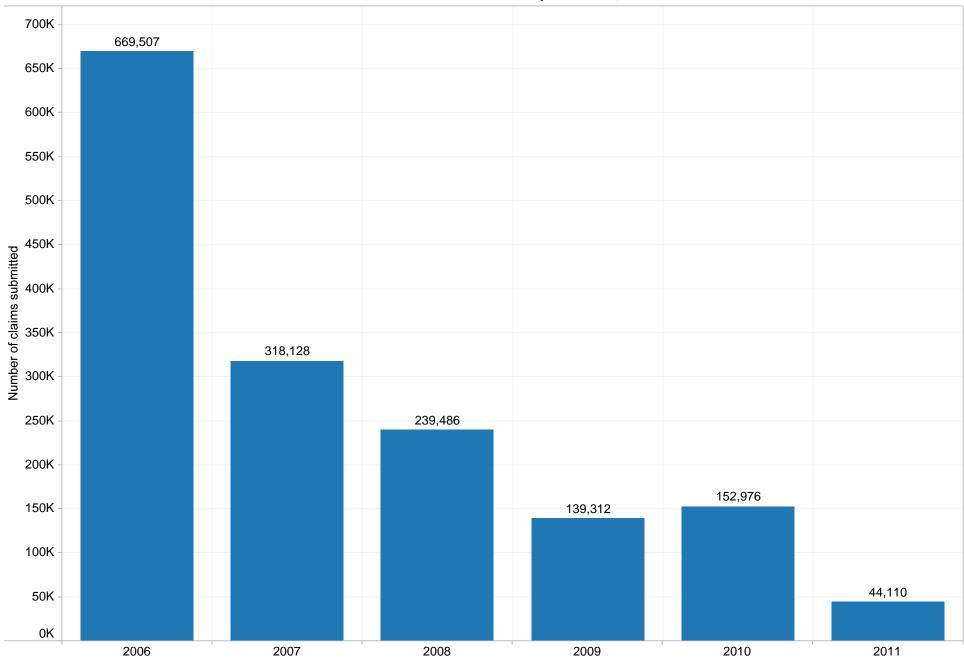
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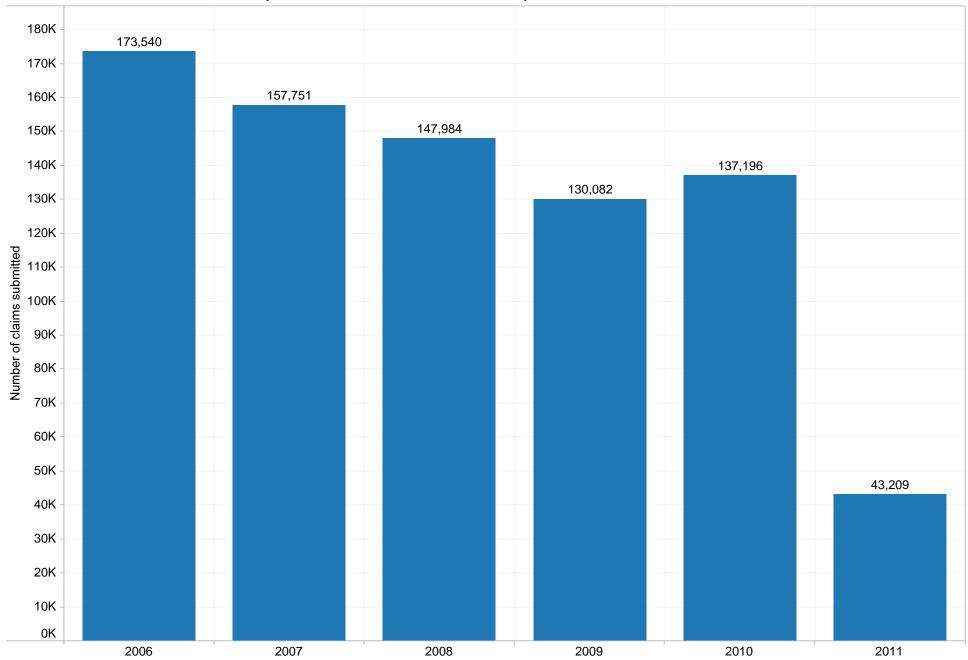
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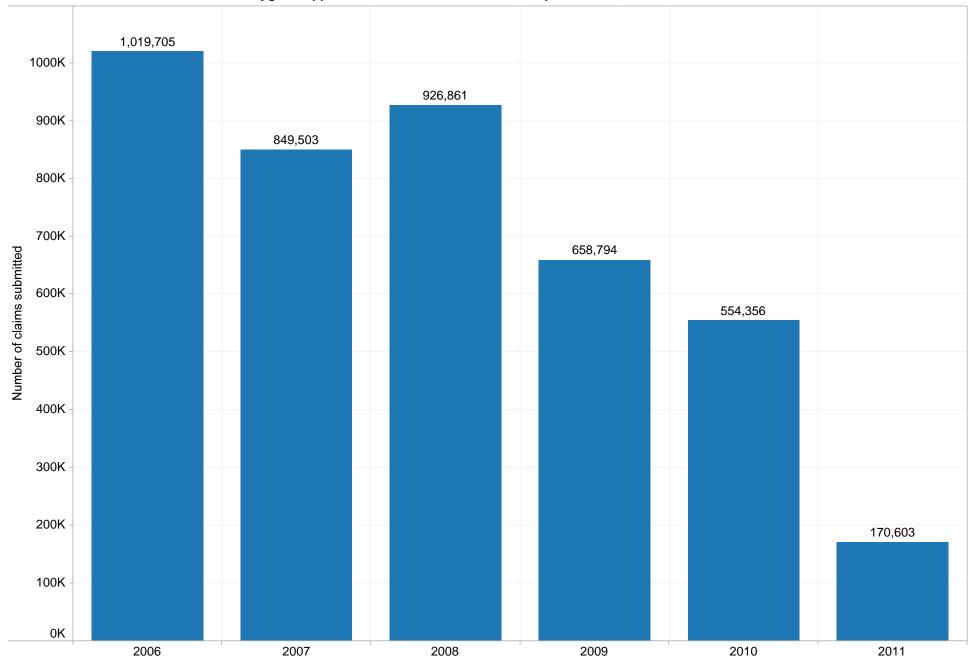
Number of claims from 2006 to 2011: Enteral Nutrients in Miami-Fort Lauderdale-Pompano Beach, FL



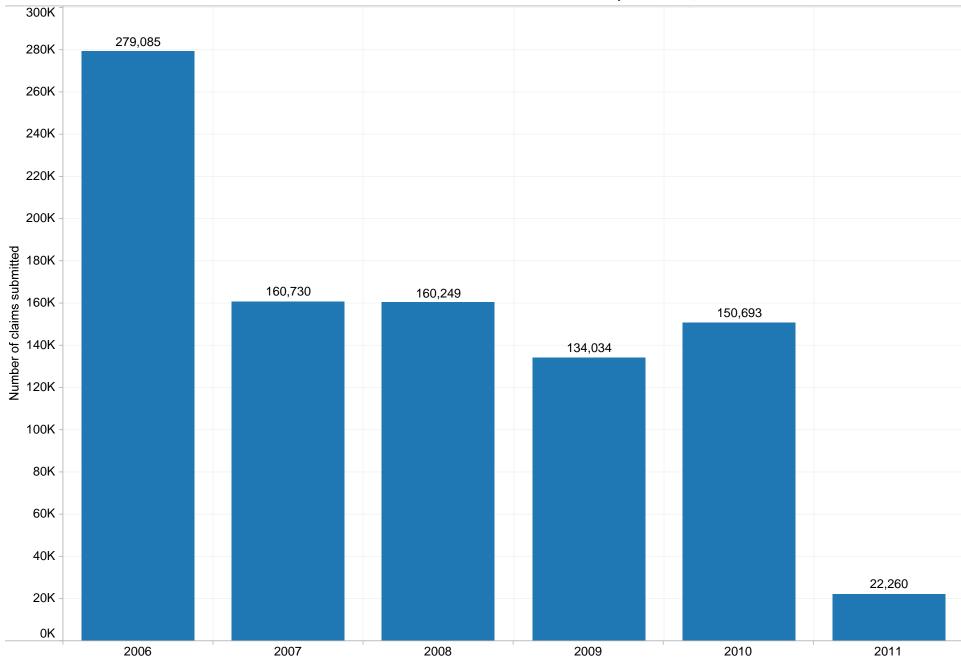
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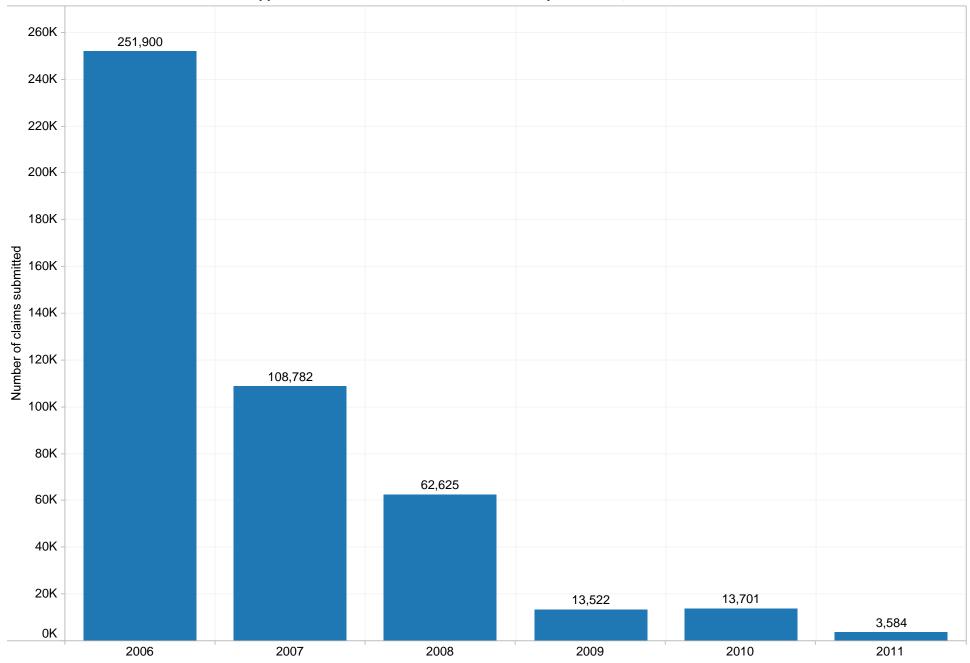
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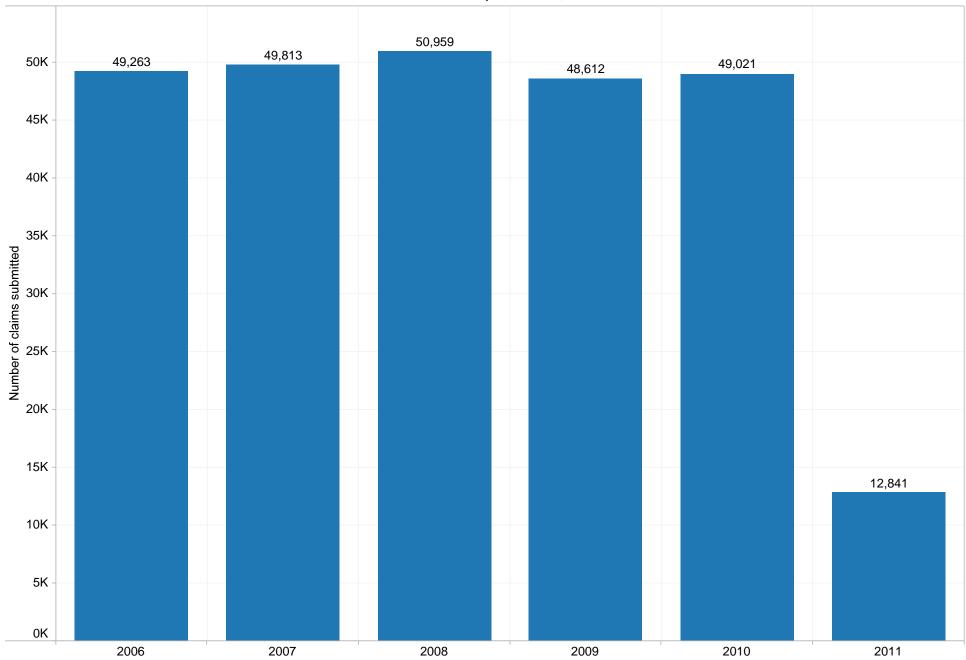
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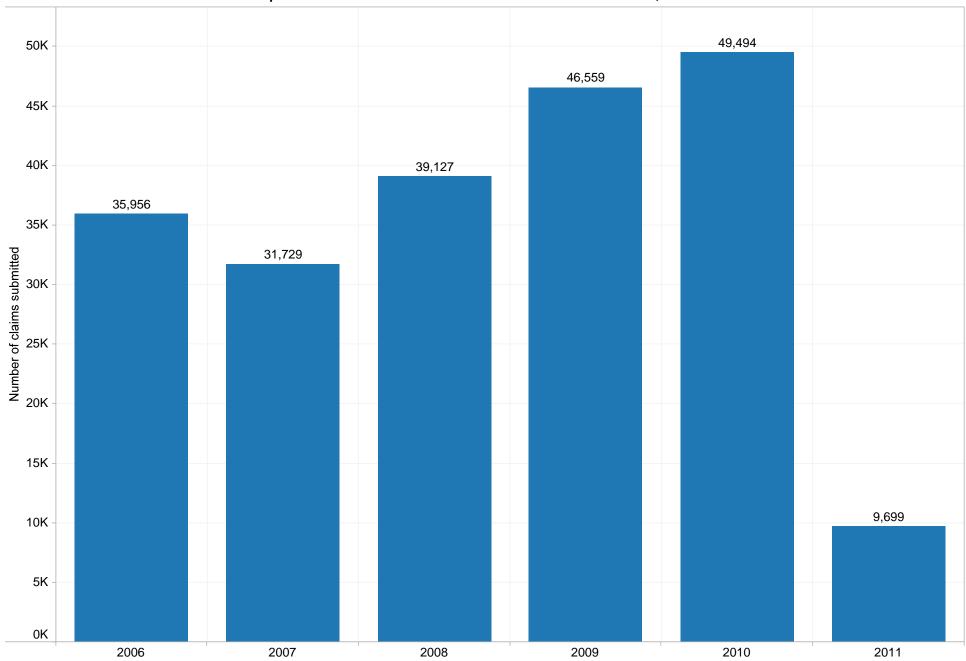
Number of claims from 2006 to 2011: Support Surfaces in Miami-Fort Lauderdale-Pompano Beach, FL



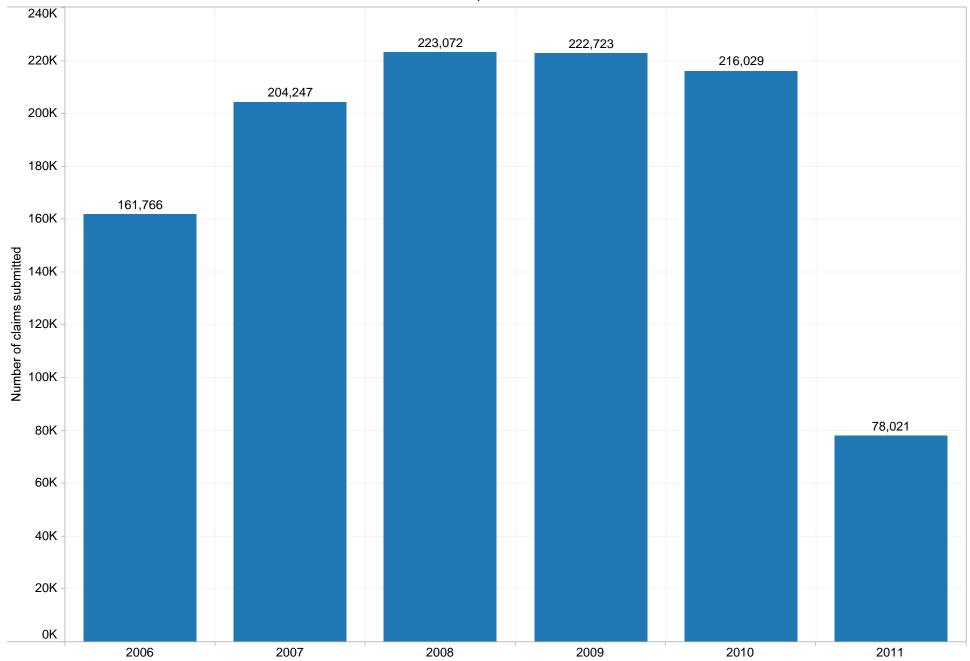
Number of claims from 2006 to 2011: Walkers in Miami-Fort Lauderdale-Pompano Beach, FL



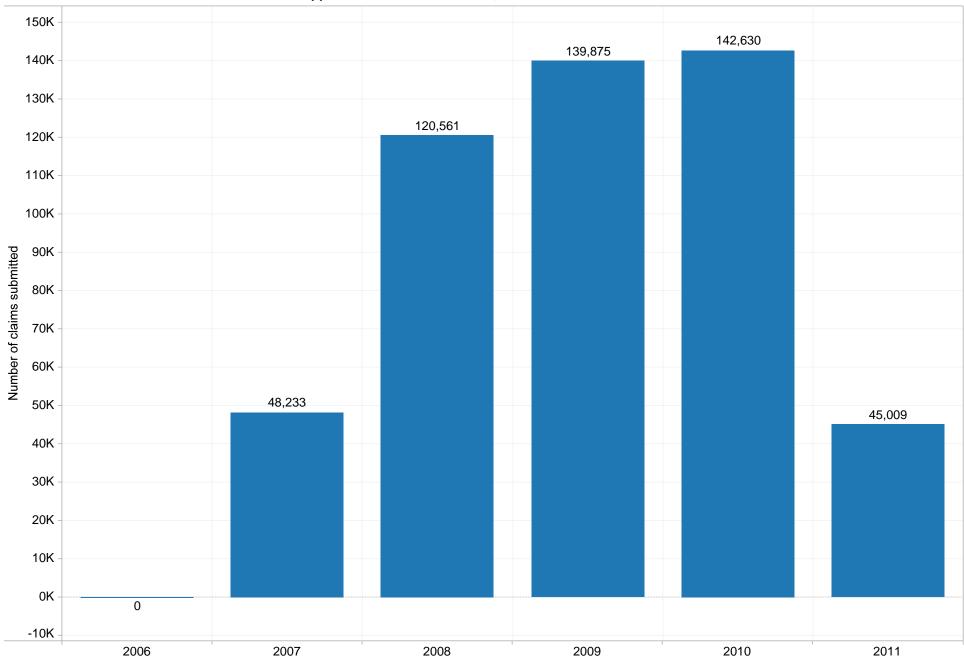
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Orlando-Kissimmee, FL



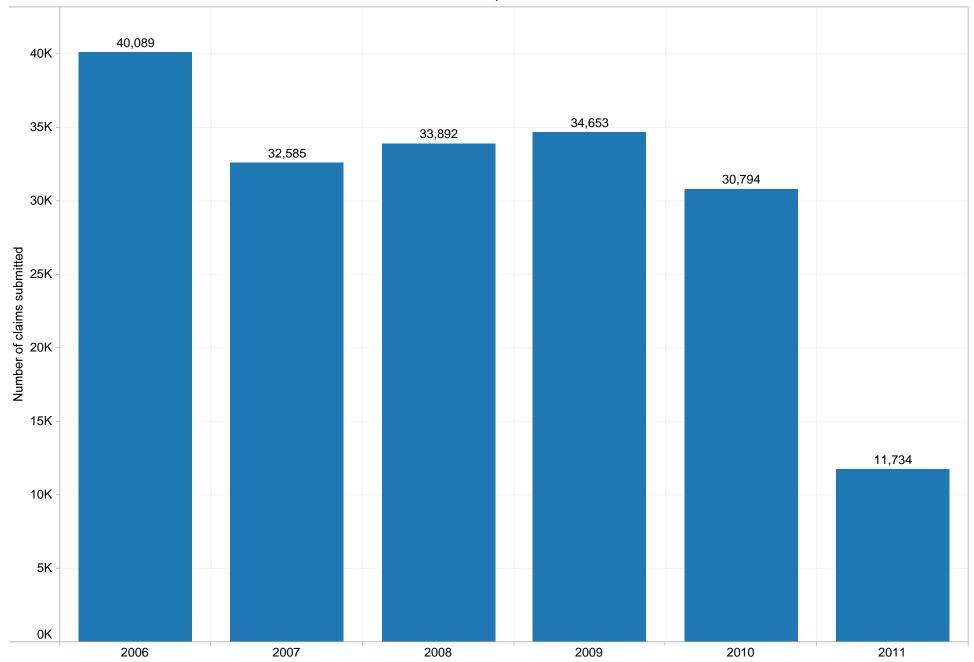
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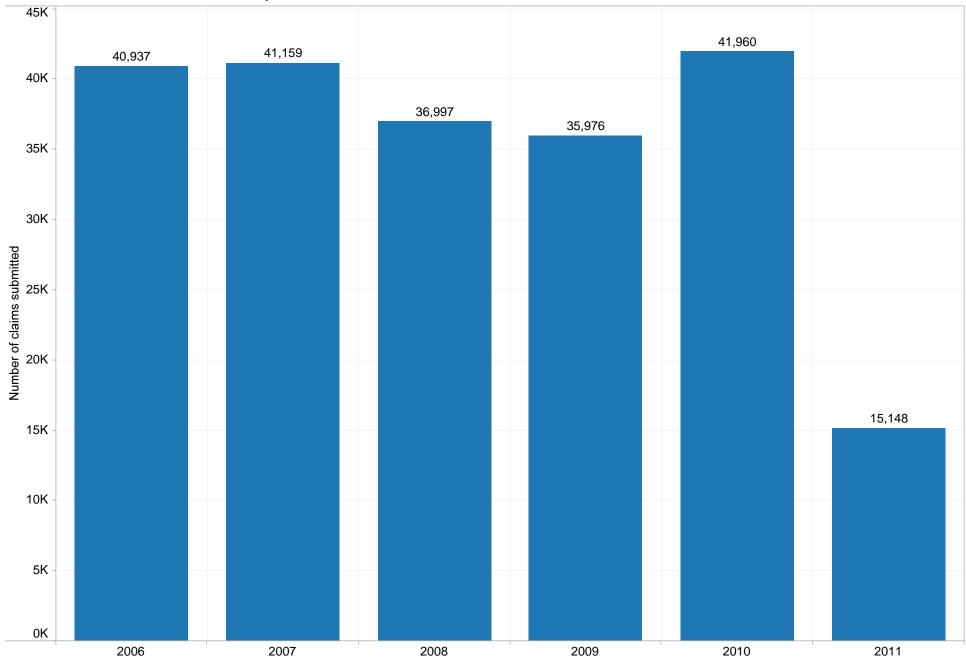
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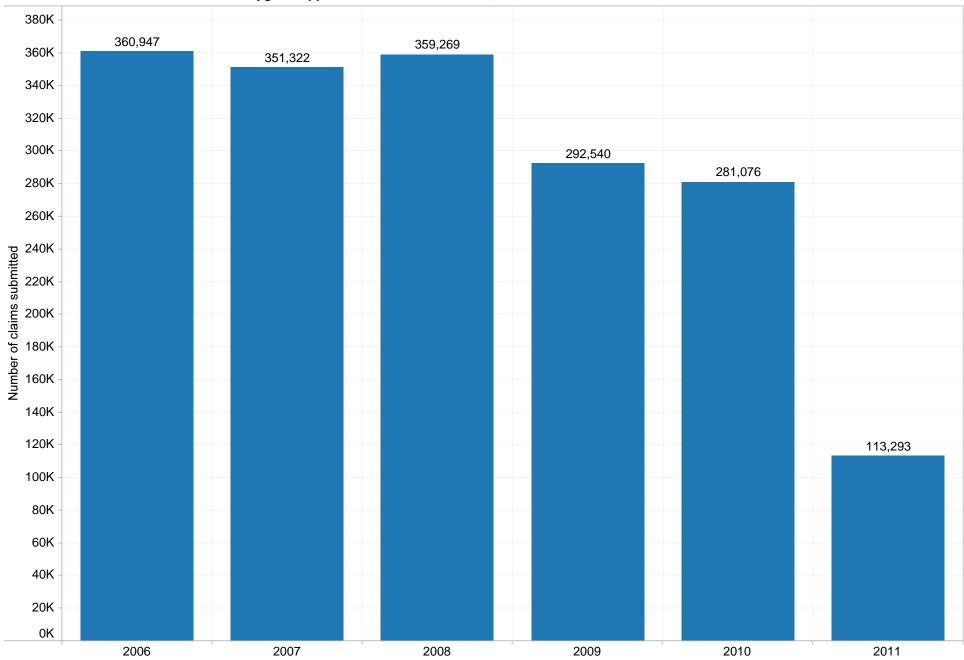
Number of claims from 2006 to 2011: Enteral Nutrients in Orlando-Kissimmee, FL



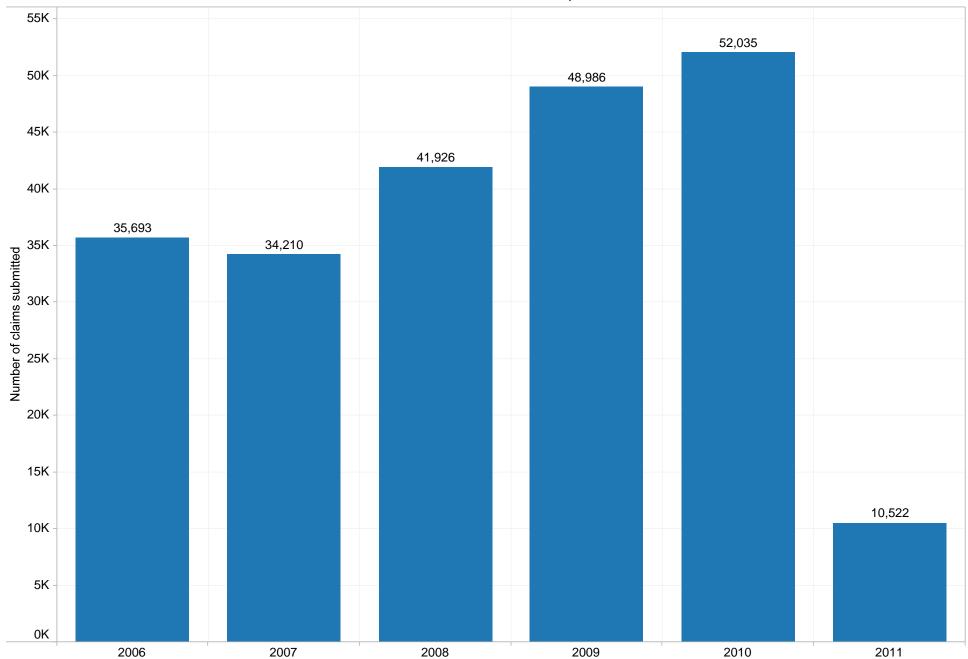
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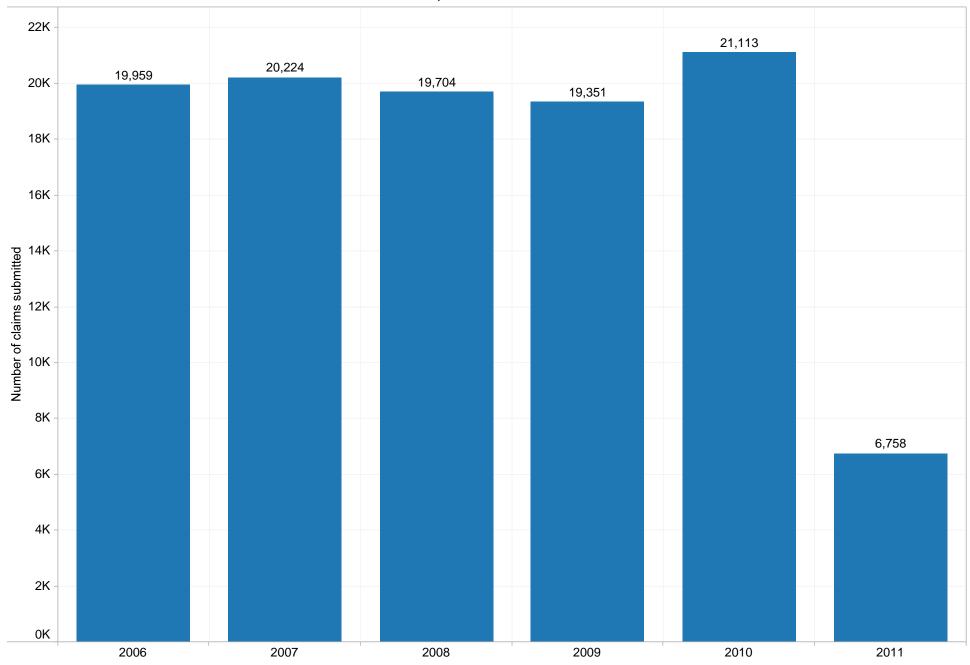
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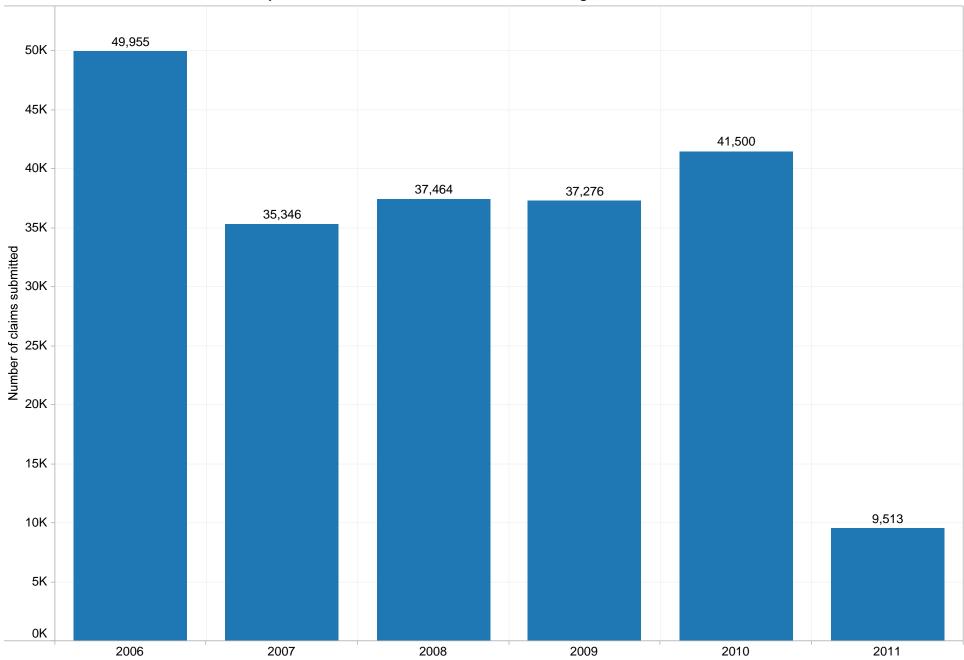
Number of claims from 2006 to 2011: Standard Power Wheelchairs in Orlando-Kissimmee, FL



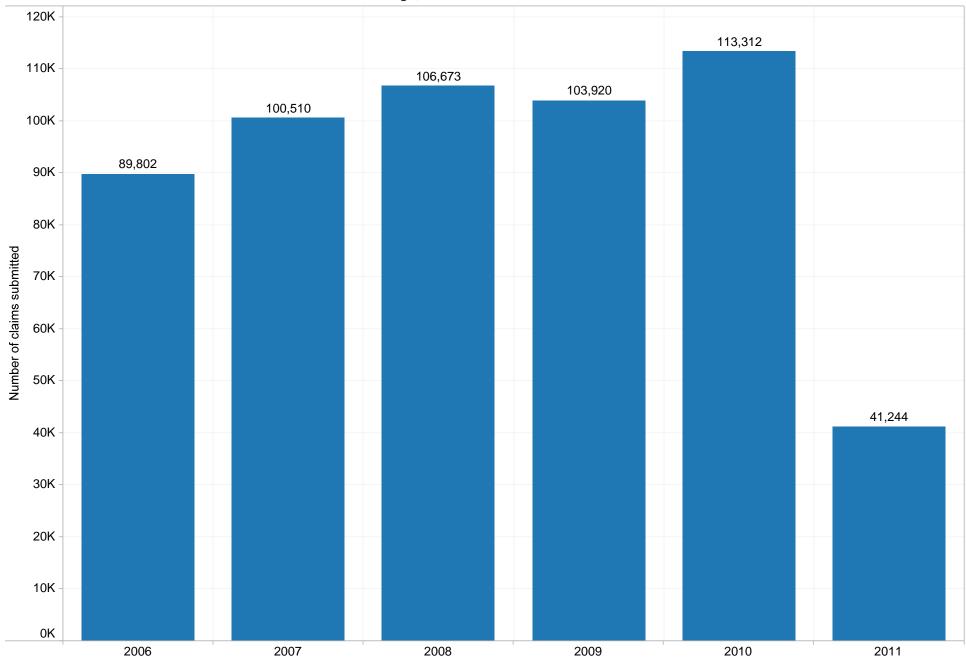
Number of claims from 2006 to 2011: Walkers in Orlando-Kissimmee, FL



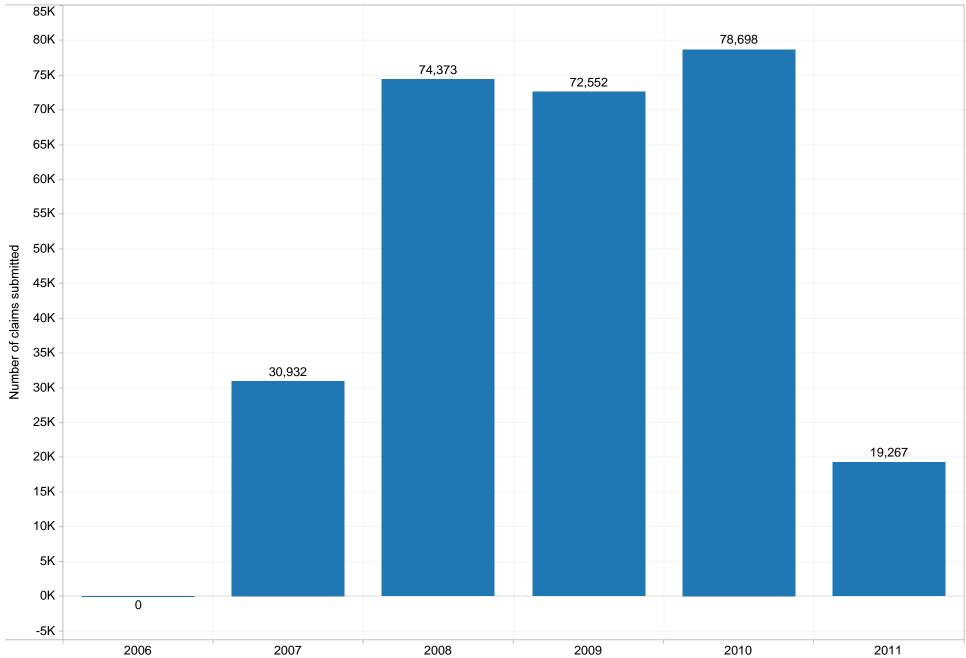
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Pittsburgh, PA



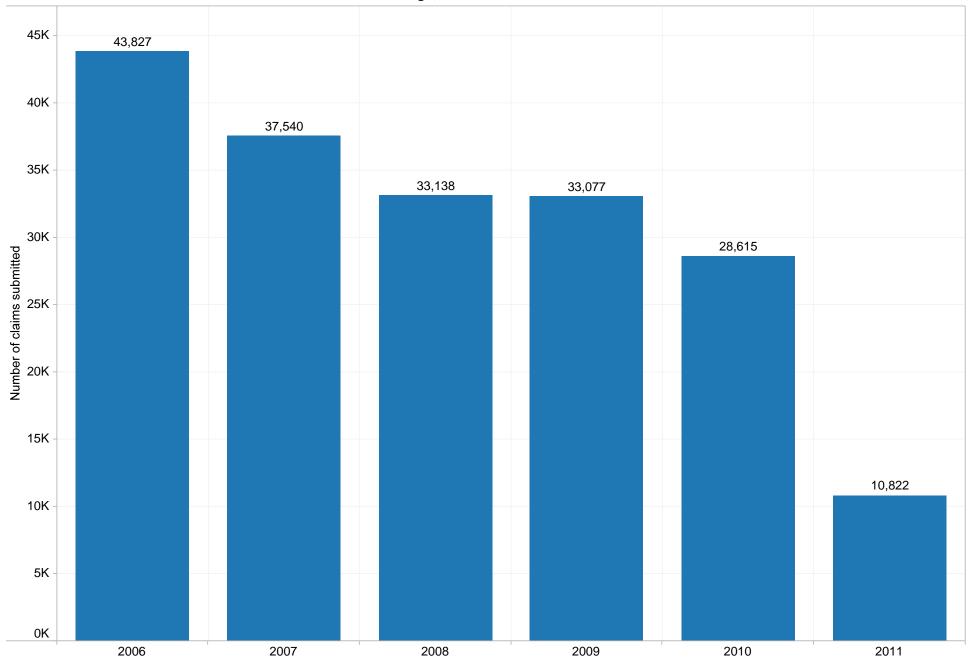
Number of claims from 2006 to 2011: CPAP Devices in Pittsburgh, PA



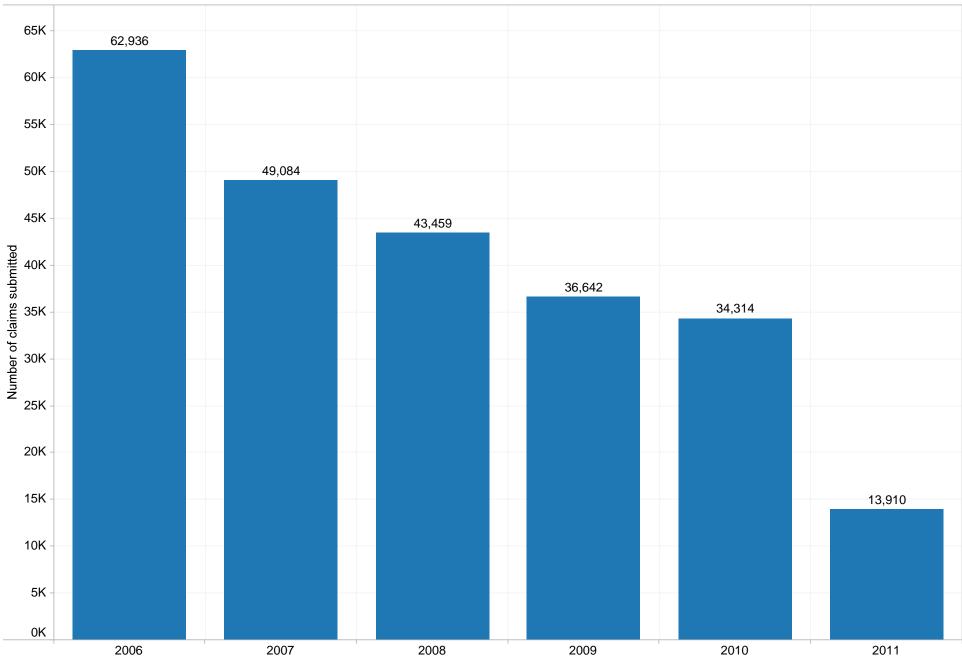
Number of claims from 2006 to 2011: Diabetic Supplies in Pittsburgh, PA



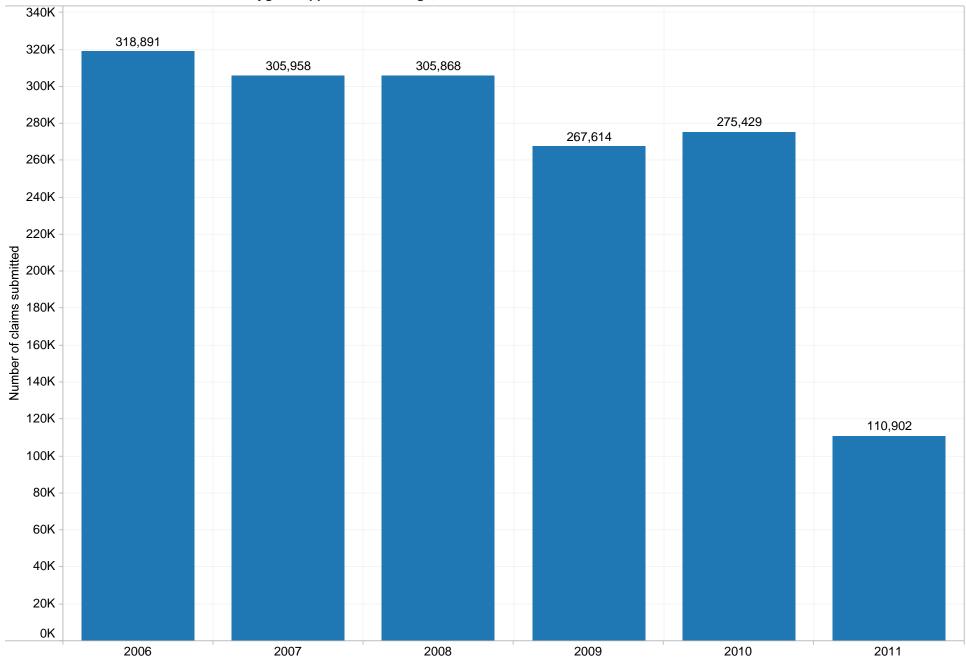
Number of claims from 2006 to 2011: Enteral Nutrients in Pittsburgh, PA



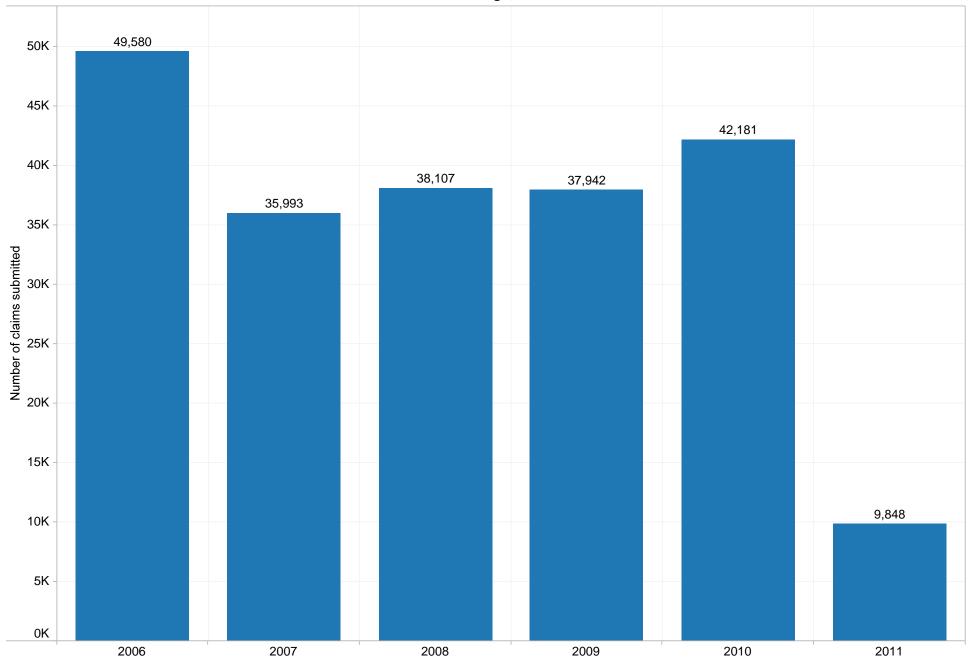
Number of claims from 2006 to 2011: Hospital Beds in Pittsburgh, PA



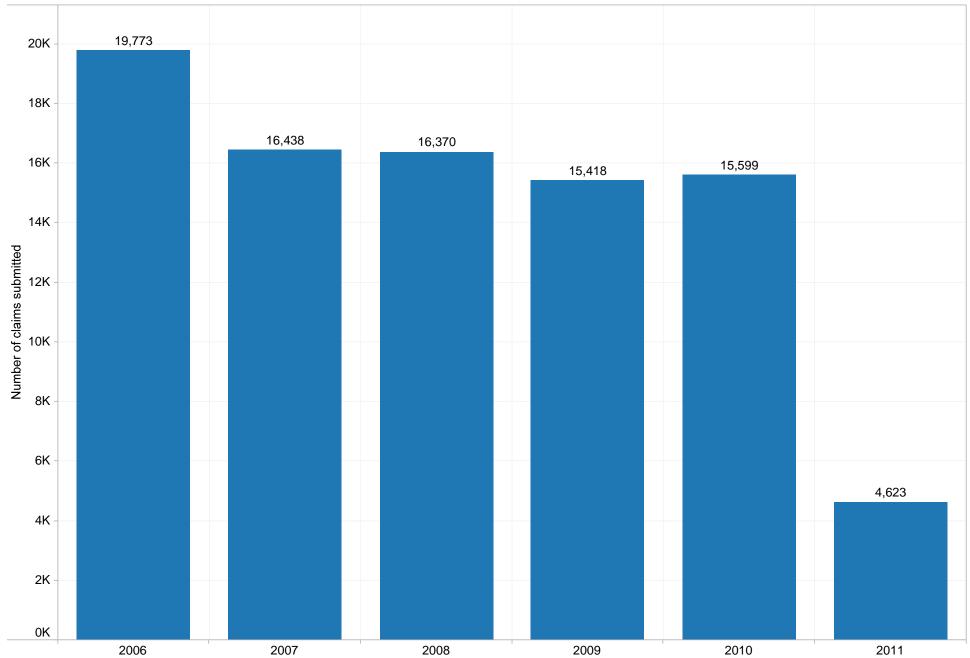
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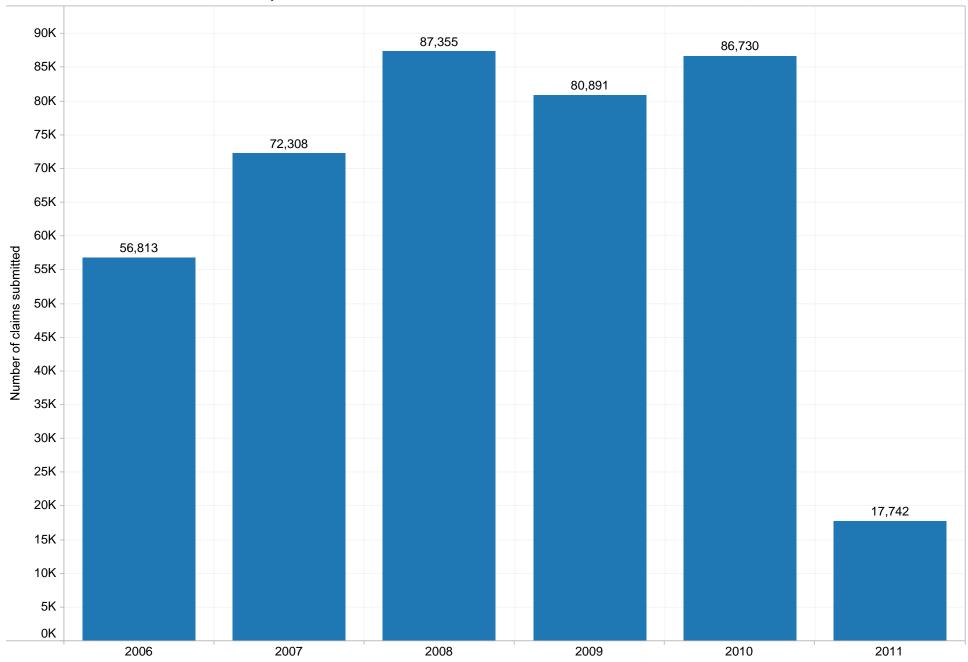
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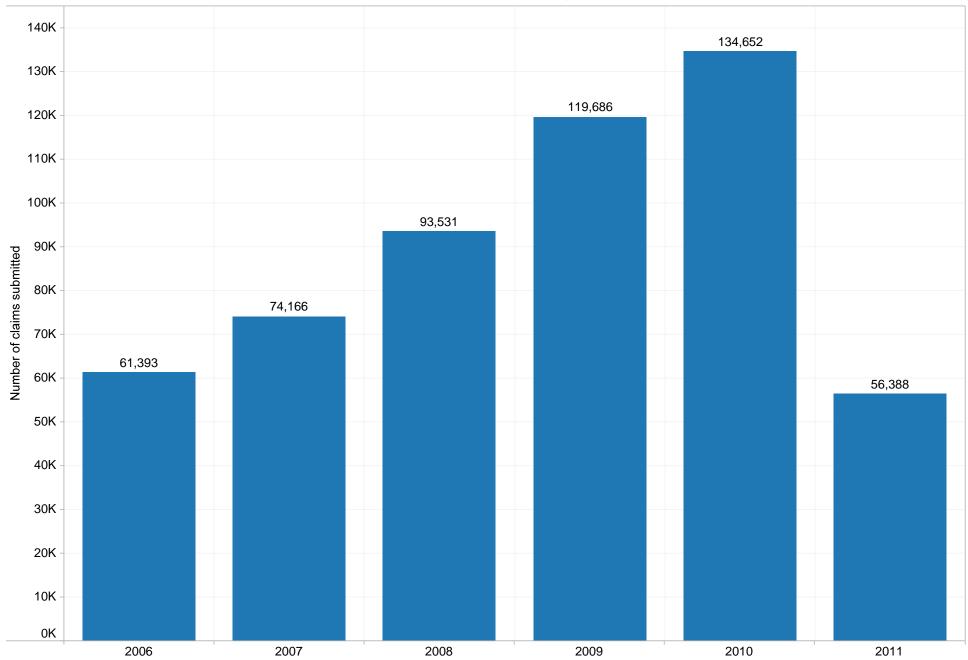
Number of claims from 2006 to 2011: Walkers in Pittsburgh, PA



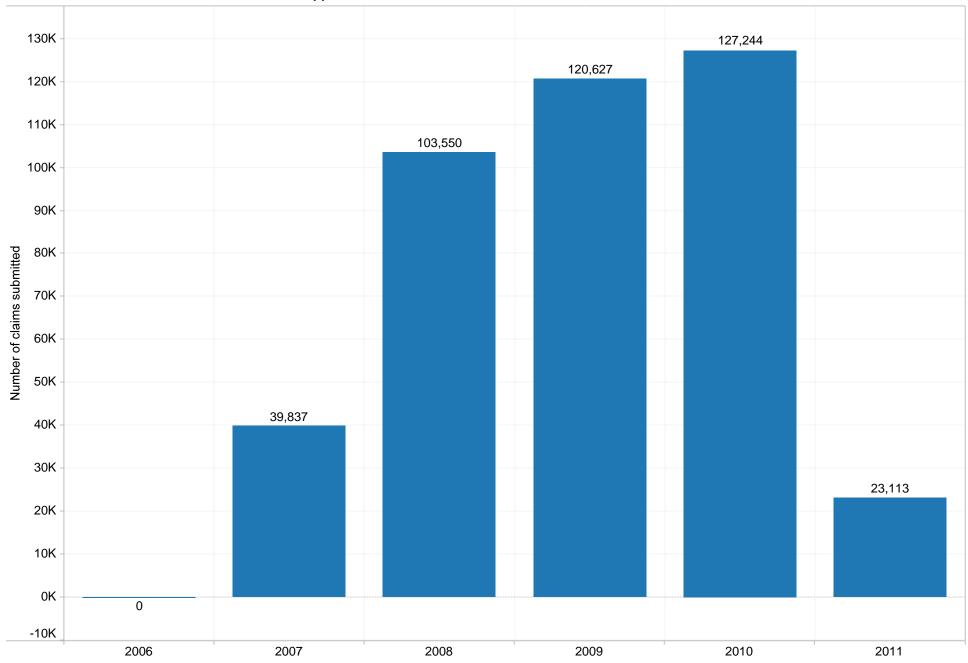
Number of claims from 2006 to 2011: Complex Rehabilitative Power Wheelchairs in Riverside-San Bernardino-Ontario, CA



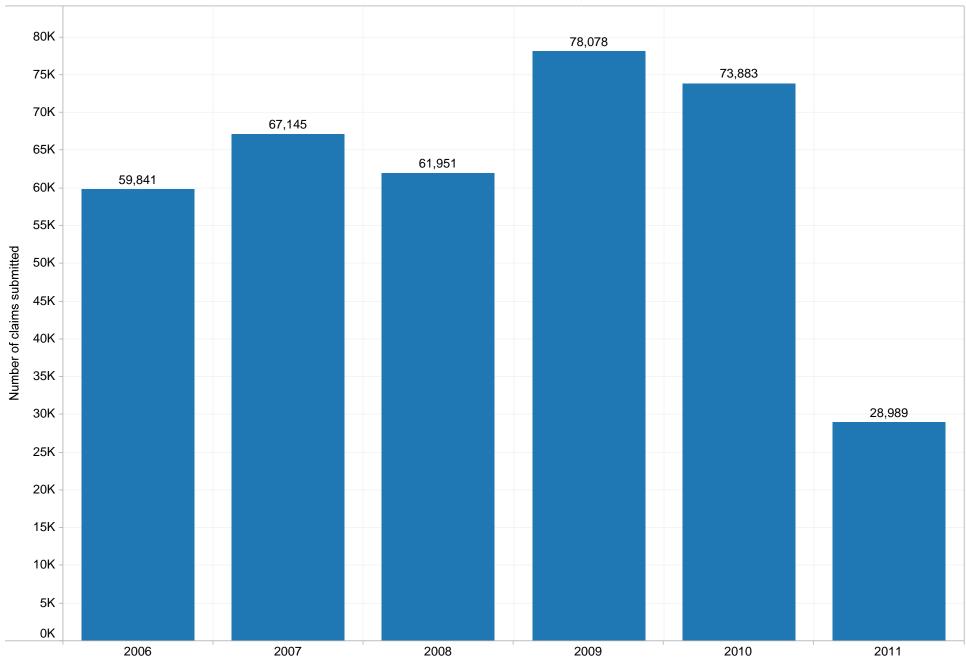
Number of claims from 2006 to 2011: CPAP Devices in Riverside-San Bernardino-Ontario, CA



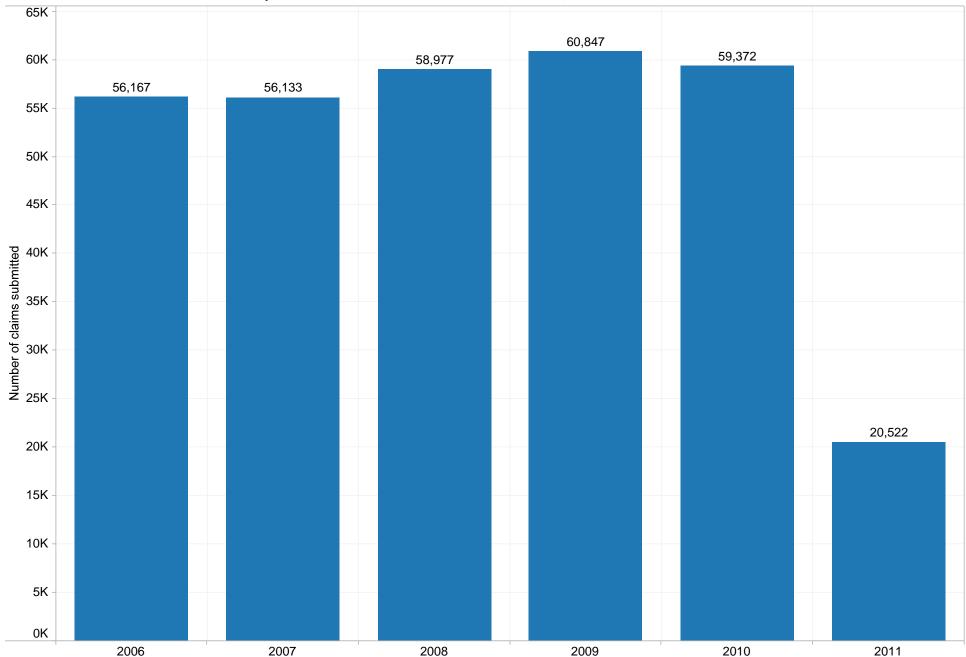
Number of claims from 2006 to 2011: Diabetic Supplies in Riverside-San Bernardino-Ontario, CA



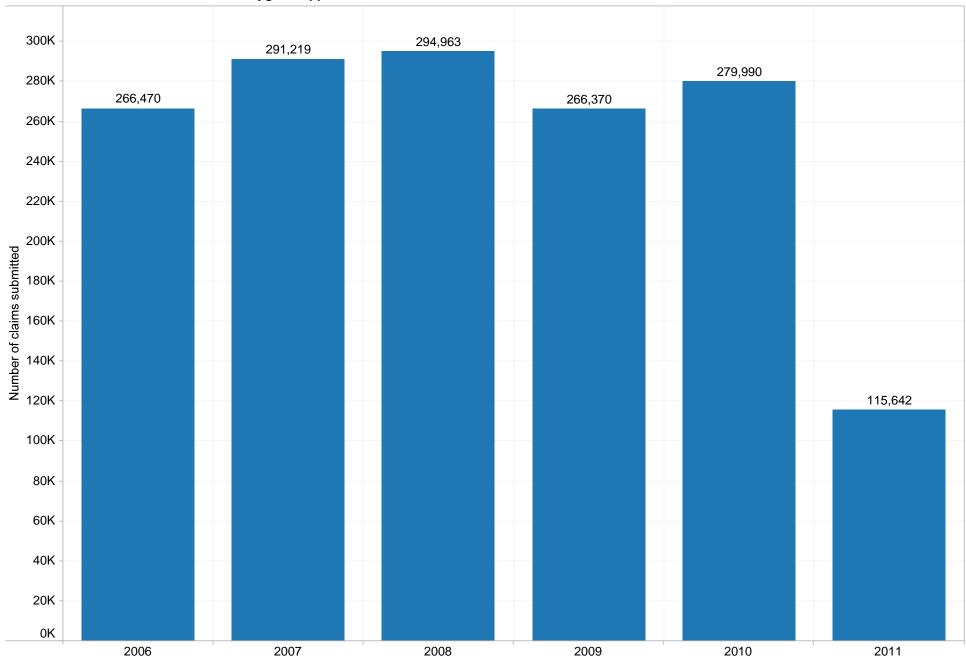
Number of claims from 2006 to 2011: Enteral Nutrients in Riverside-San Bernardino-Ontario, CA



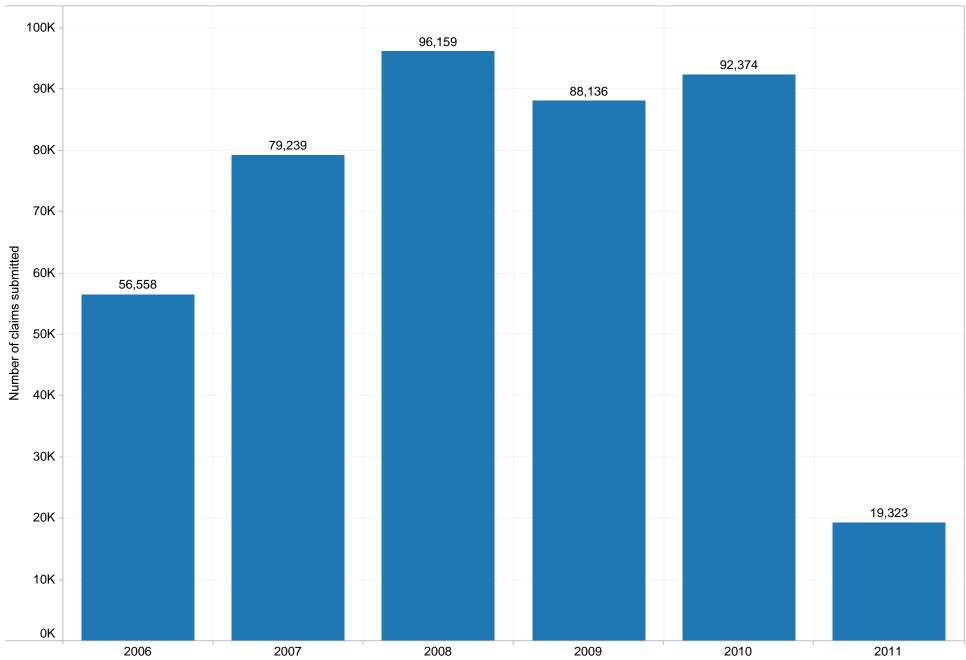
Number of claims from 2006 to 2011: Hospital Beds in Riverside-San Bernardino-Ontario, CA



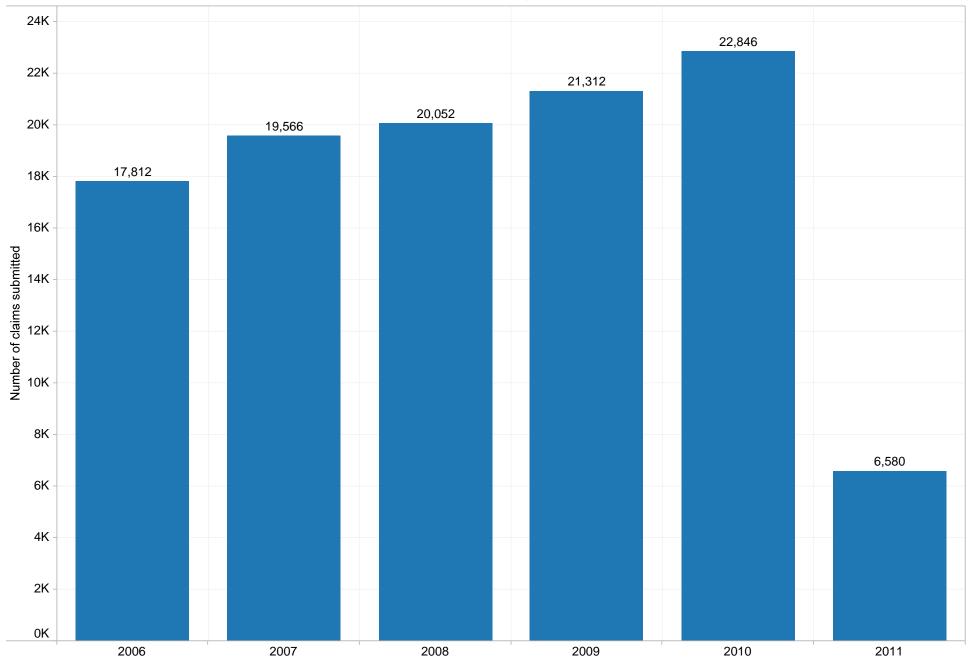
Number of claims from 2006 to 2011: Oxygen Supplies in Riverside-San Bernardino-Ontario, CA



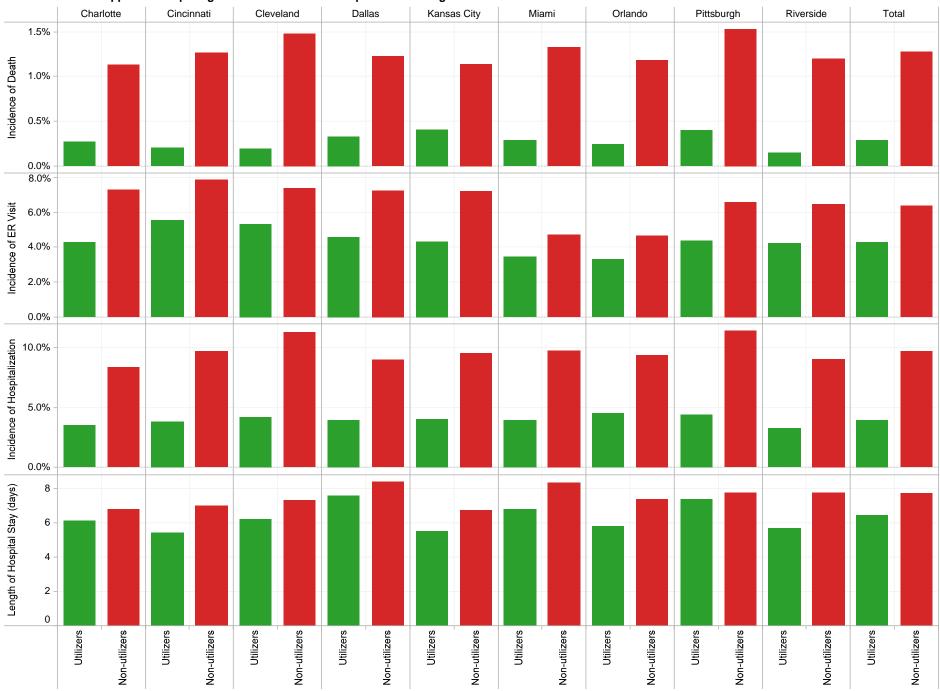
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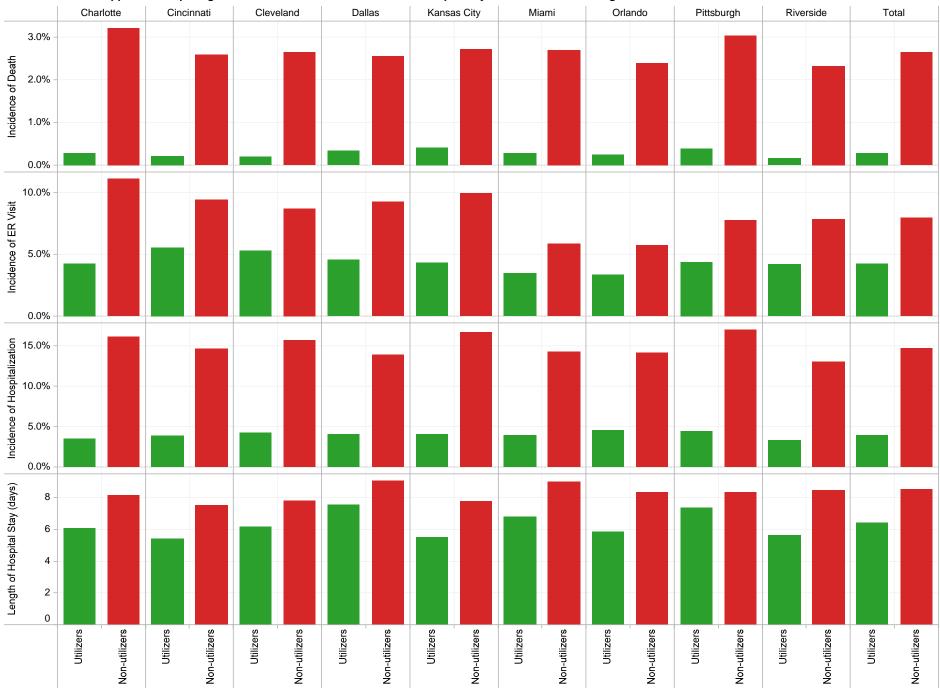
Number of claims from 2006 to 2011: Walkers in Riverside-San Bernardino-Ontario, CA



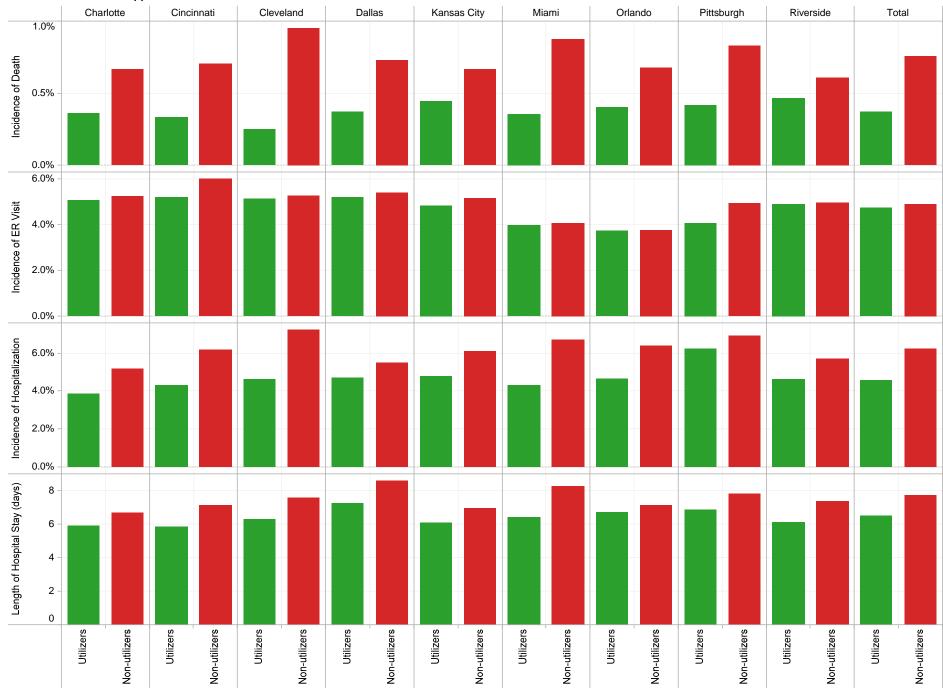
CPAP Devices & Supplies - Comparing to Beneficiaries with Sleep Disorders diagnoses



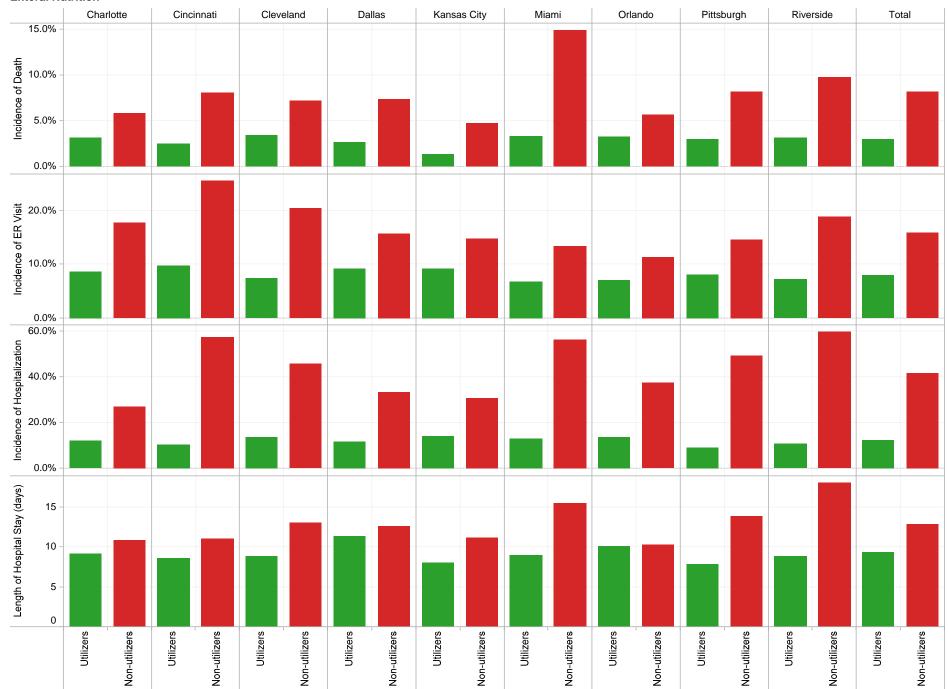
CPAP Devices & Supplies - Comparing to Beneficiaries with COPD or Cardio-Respiratory Failure and Shock Diagnoses



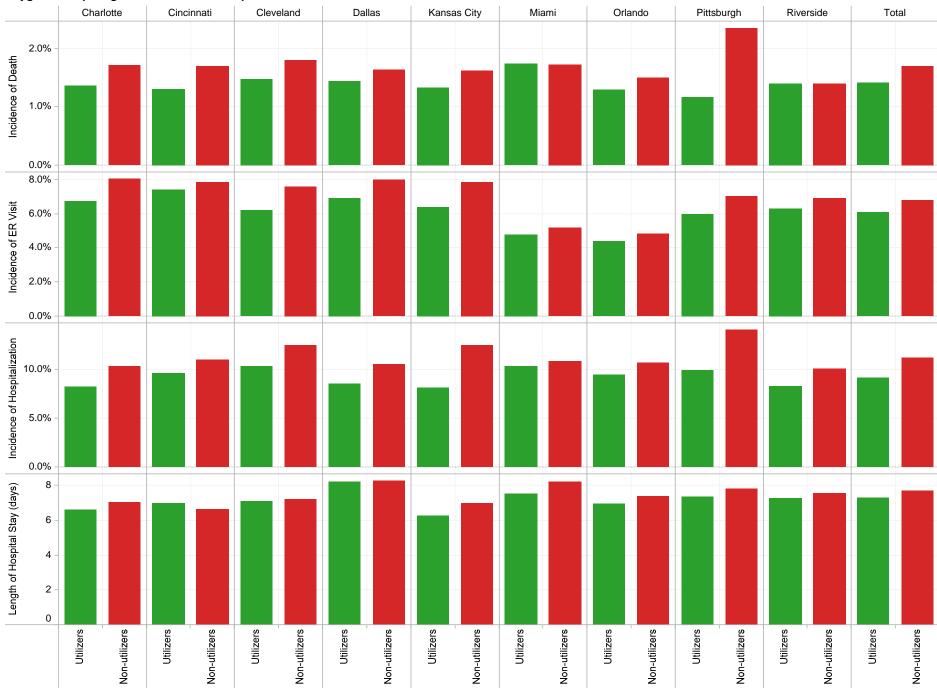
Mail-Order Diabetes Supplies



Enteral Nutrition



Oxygen - Comparing to Broad Access Group



Oxygen - Comparing to Narrow Access Group

