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## **Overview**

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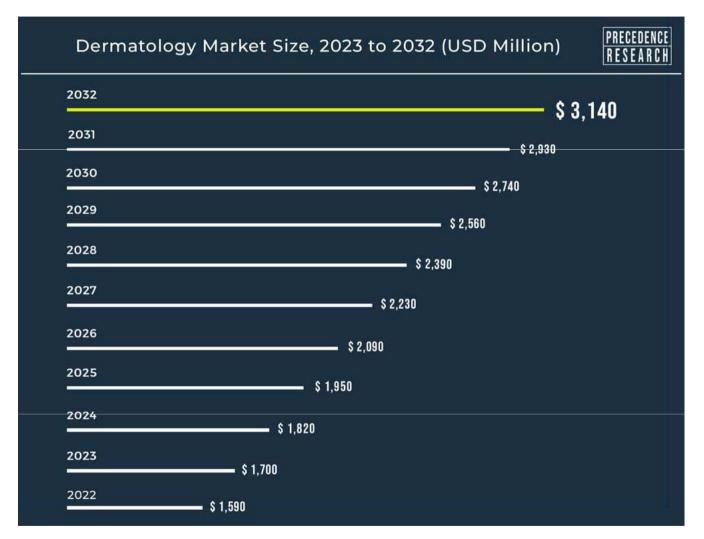


Why focus on Dermatology?

Dermatology is a rapidly growing field in the global market

It is predicted to be worth around USD 3 billion by 2032 with a CAGR of 7.03% from 2023 to 2032

## The Global Dermatology Market



Precedence Research. (2023, August 3). Dermatology Market Size

# Key players in the Global Dermatology Market













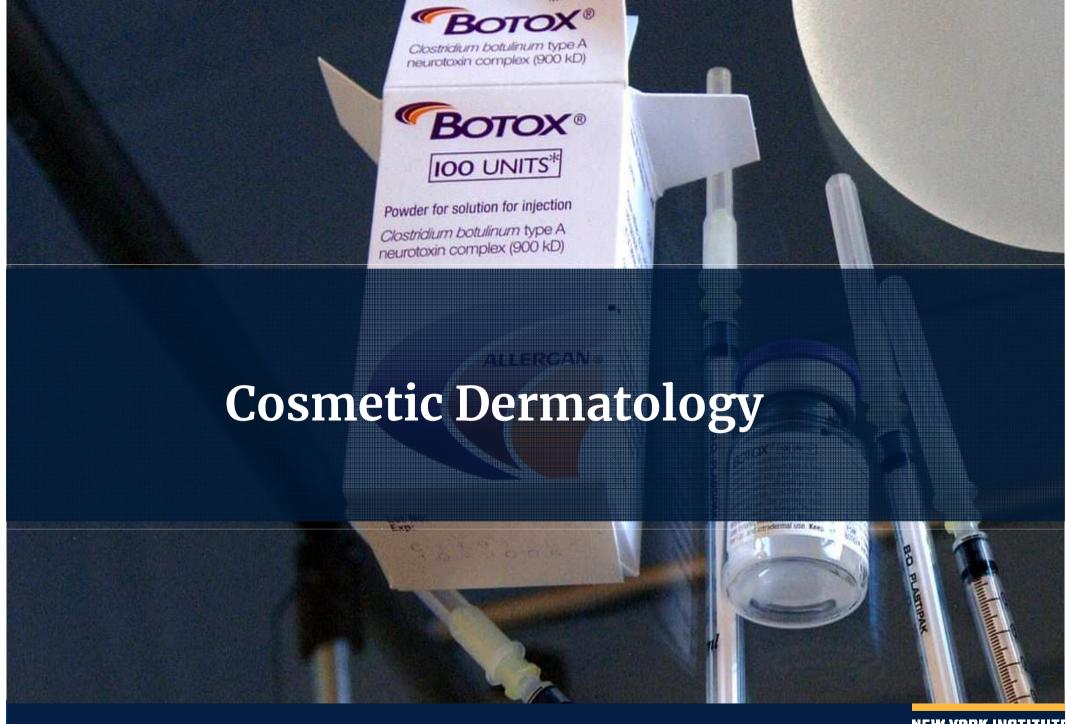












NEW YORK INSTITUTE OF TECHNOLOGY

College of Osteopathic Medicine

# Cosmetic Dermatology Leading With Sustainable Growth

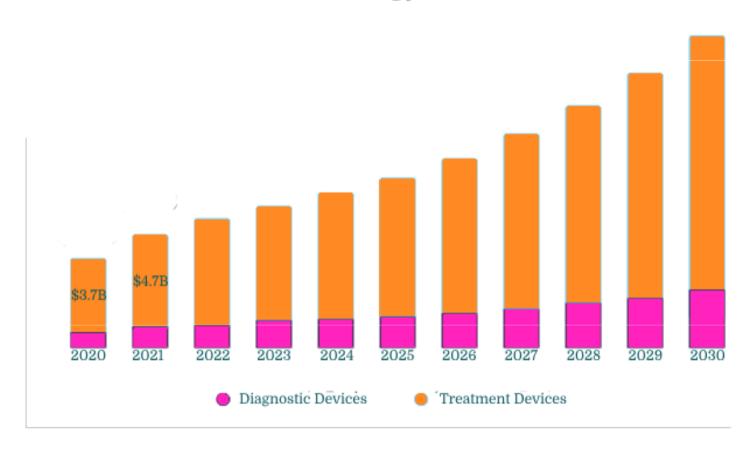
#### **Cosmetics**

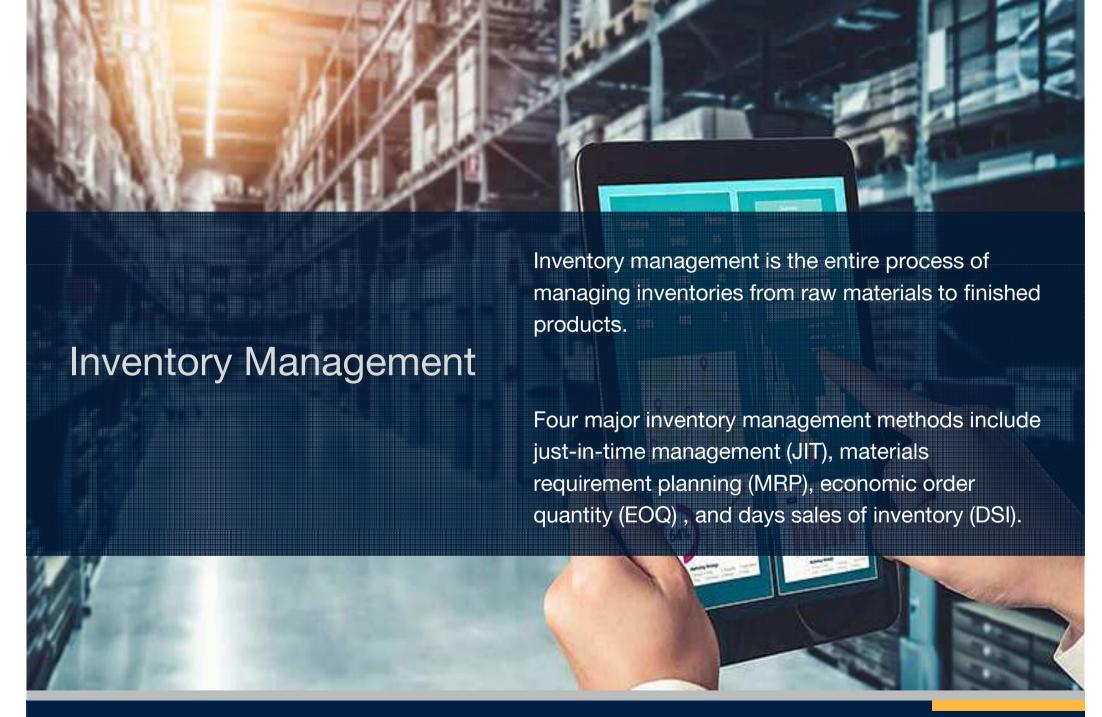
- Botox and laser resurfacing are two cosmetic procedures that can help reduce signs of aging such as fine lines, UV damage, and loss of collagen.
- Physician fees vary from \$450–\$850 for Botox and fillers to \$1,400–\$2,500 for non-invasive fat reduction, laser skin resurfacing and non-surgical skin tightening (DelGrosso, C. 2023).
- Among the treatment devices, laser products held the largest share in 2021 and will also record the fastest CAGR over the forecast period (Grand View Research).



# **Dermatologic Devices**

U.S. Dermatology Devices Market





## **Inventory in Dermatology**



### **Medical Supplies**

Gloves

Masks

Gauze



#### **Medications**

Antibiotics
Corticosteroids
Antifungals



## **Equipment**

Dermatoscopes
Cryotherapy
Laser therapy
Diagnostic tools



### **Injectable Treatment**

Botox
Dermal Fillers
Prescription Medications

# 6 Steps to Keep Inventory Organized: 1-3

Define inventory

• Different categories include single-use consumables in treatment [syringe of filler, multi-use consumables such as cleansers], medical supplies [gowns and needles], retail supplies [prescriptions or skincare products], and "free" goods [special promotions].

Account for and organize inventory

• First-in, first-out (FIFO) approach as it ensures that the most dated purchased consumables such as an injectable that will expire are the first to be used.

Assign responsibility and set protocol

 An office most likely has multiple people and even locations handling and using inventory which requires proper management of staff. Staff should be responsible for entering products into inventory, sorting inventory, and tracking the inventory as it is used.

# 6 Steps to Keep Inventory Organized: 4-6

Safeguard inventory from loss

• Losses include product expiration, theft, overuse, add-ons to treatment waste of product, and gifts with purchases.

Monitor and audit inventory

Checks and balances should be applied.

Maintain proper inventory levels

 Having at least two weeks supply as it will protect the practice from falling short on supplies without overspending on materials.

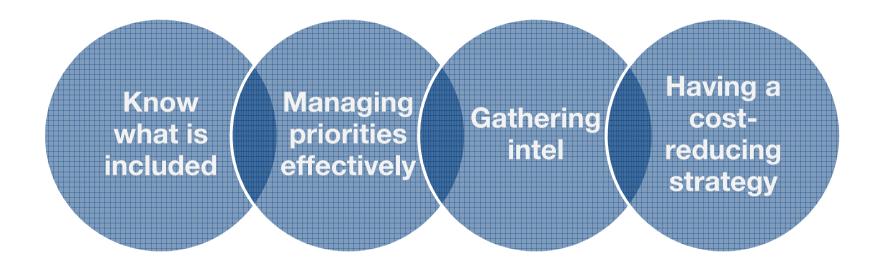


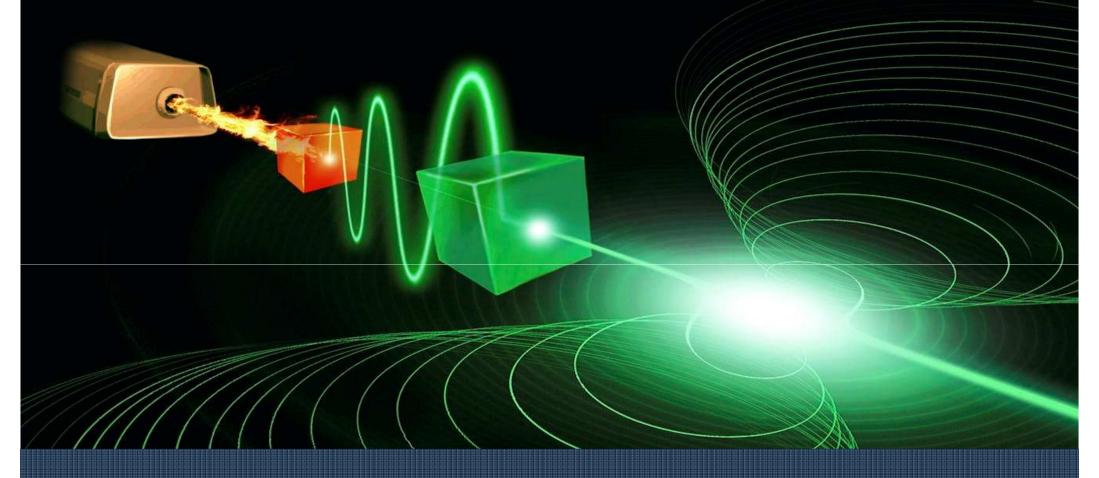
# Equipment Management

Equipment management encompasses the administration, monitoring and maintenance of both powered assets and non-powered equipment.

Effective equipment management can allow firms to utilize equipment more efficiently and effectively by allowing for rapid asset deployment when needed.

## **Managing Equipment**



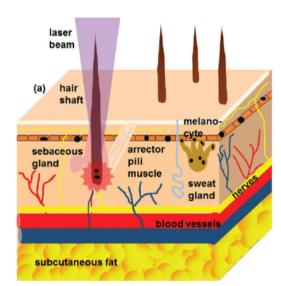


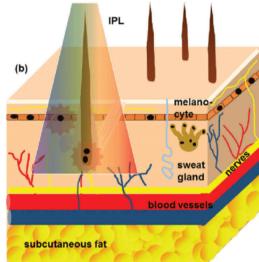
Laser Equipment

In the last 20 years, advancements in laser technology have revolutionized laser use in the treatment of many skin conditions with minimal skin damage.

These include vascular and pigmented lesions, the removal of tattoos, and the minimization of scars and wrinkles.

## Laser MOA





ResearchGate

**Purpose** 

•Target and kill specific cells without destroying the surrounding cells

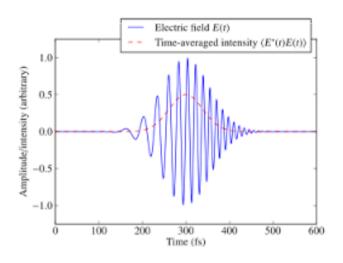
Composition

• As different cells are composed of different proportions of elements, they absorb light differently

Frequency

•Short pulses reduce the amount that the damaged cells heat, thereby reducing thermal injury that could result in scarring

## **Laser Implementation**

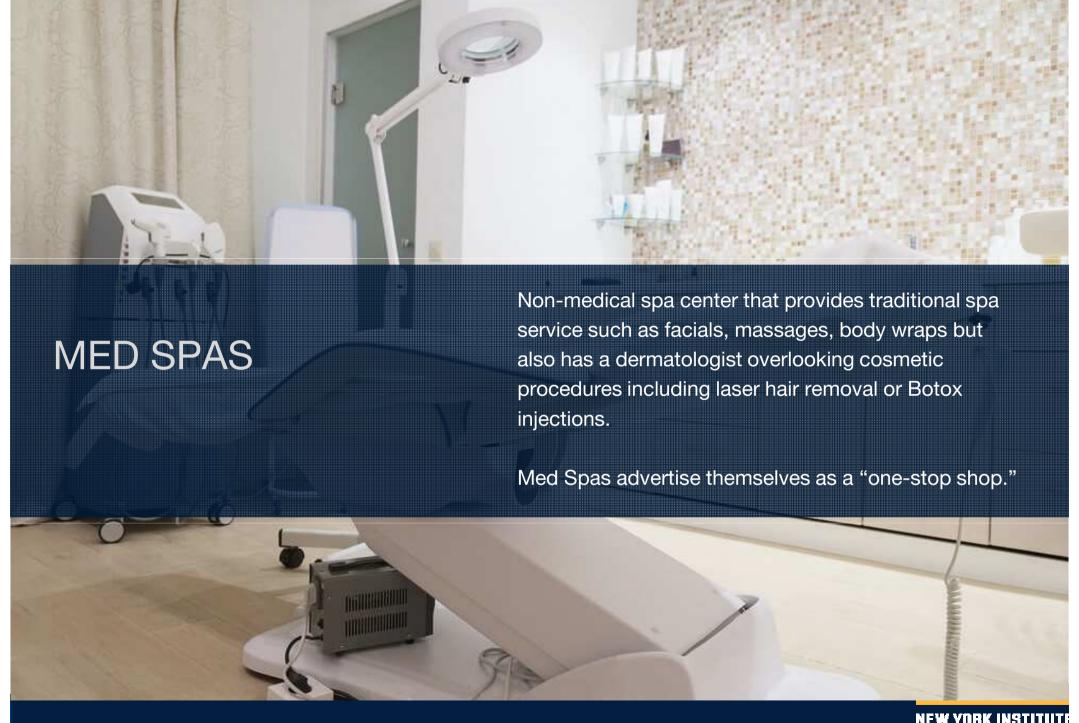


#### Uses

- Practices can attract a broader range of clientele
- Lasers can be used to treat popular complaints including discoloration, port wine stains, rosacea, acne scars, hair follicle stimulation, and hair follicle destruction

#### **Considerations**

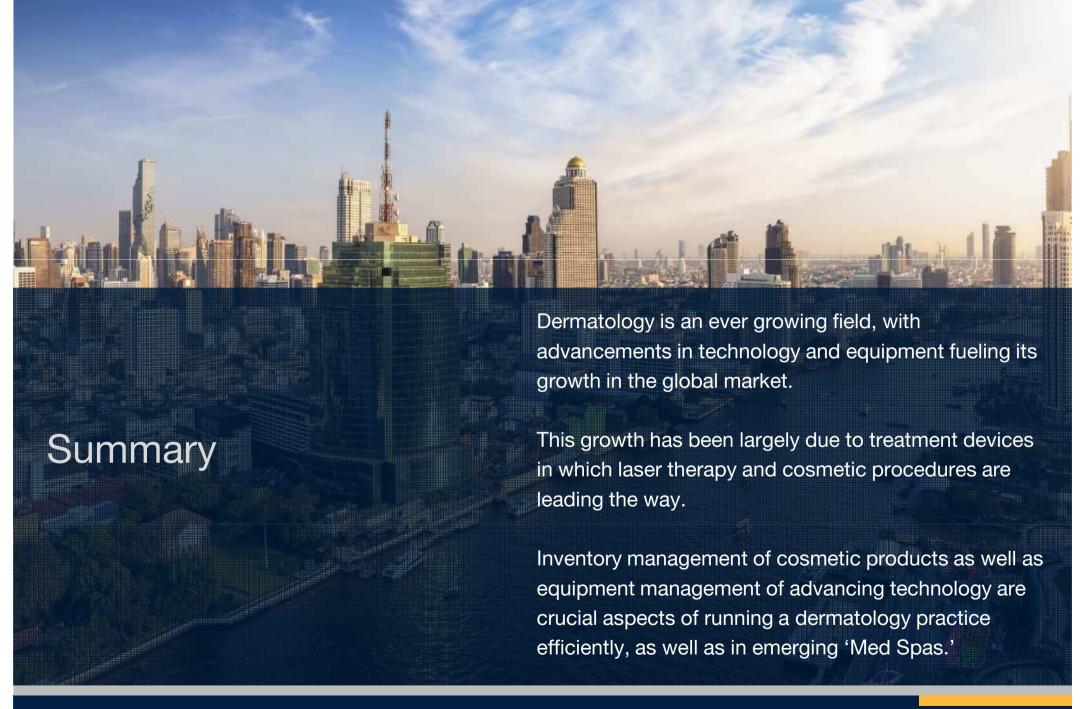
- Competitors offering similar services, including MedSpas and aesthetic and cosmetic physicians
- The most important differentiator is expertise
- Analyze approximate patient demand, office space required, schedule availability, overhead costs, and time and money spent on staff training



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# Med Spas as a Consumer-Directed Offering

Inventory and Equipment	Purchasing	Renting
<ul> <li>Considerations</li> <li>Cost of the machine</li> <li>Laser procedures</li> <li>Average physician fee per treatment</li> <li>Different machine options that can carry out similar procedures.</li> </ul>	Recommendations	Pros  O Renting can help determine if a practice has enough demand to purchase the item  Cons  O Equipment is usually
	<ul> <li>Considerations</li> <li>Expensive</li> <li>Overpaying risk</li> <li>Integration risk</li> <li>Regulatory hurdles</li> </ul>	not the latest models on the market



## Resources

- O Accruent. (n.d.). Retrieved from https://www.accruent.com/resources/blog-posts/4-considerations-manage-your-total-cost-medical-equipment-ownership
- O Anna Chacon, M. D. (2023). Retrieved from https://www.dermatologytimes.com/view/laser-device-purchases-are-guided-by-multiple-factors
- O Czenko, M., & Peffley, H. (2021). Retrieved from https://practicaldermatology.com/articles/2021-aug/facelift-your-inventory-management
- O DelGrosso, C. (2023). Retrieved from https://www.fticonsulting.com/insights/articles/dermatology-looking-good
- O Emergen Research, https://www.emergenresearch.com/. (n.d.). Dermatology market trend: Industry forecast 2021–2030. Retrieved from https://www.emergenresearch.com/industry-report/dermatology-market
- O Grand View Research. (2021). Retrieved from https://www.grandviewresearch.com/industry-analysis/dermatology-devices-market
- O Henry Schein, Inc. (2023). Retrieved from https://www.henryschein.com/us-en/medical/products/medical-equipment/about-medical-equipment/aesthetic-dermatology-equipment.aspx
- O Myers, C. (2014). Retrieved from https://www.medestheticsmag.com/business/practice-management/article/21145603/practice-management-inventory-management
- O Ngan, V. (2004). Retrieved from https://dermnetnz.org/topics/lasers-in-dermatology
- O Process Life Cycle. (2014). Retrieved from https://www.aiche.org/ccps/resources/glossary/process-safety-glossary/process-life-cycle
- O Whitman, E. (2016). Retrieved from https://www.modernhealthcare.com/article/20160707/NEWS/160709943/medical-supplies-equipment-account-for-biggest-spike-in-healthcare-spending