HSCT in 2020
System Capacity Initiative

Facilities/Bed Capacity Working Group

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Financial Disclosure – None

Key Issues within Scope

- Auto and Allo transplant within United States
- Current utilization of inpatient and outpatient care setting
- Implications for support areas, e.g. stem cell processing labs, HLA labs, critical care, and urgent care.
- Impact on care model changes on current utilization of resources
- Potential competition for use of facilities, e.g. other demands on apheresis centers
- Housing facilities for patient families

Approach

- Interview with institutional leaders
  - Senior leaders at highest level
  - Assessment of importance and keys to growing transplant program
- Internet survey of transplant centers
  - Focus on administrators and medical directors
  - Assess
    - Current capacity
    - Plans for facility growth
    - Barriers to growth

Hospital Executive Survey: Demographics

- Respondent Characteristics
  - Small number of respondents
  - Affiliated with members of Working Group
  - Hospital size: 300 to 1700+ licensed beds
  - BMT unit size: 8 to 42 beds
  - Adult, pediatric, or mixed programs represented
  - University-based and community-based programs represented
  - Locations were spread across the U.S, although all were located in a large urban areas

Hospital Executive Survey: Key Findings

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- BMT programs valued by their institution
  - Support hospital's mission
  - integral to the success of the oncology program or breadth of service

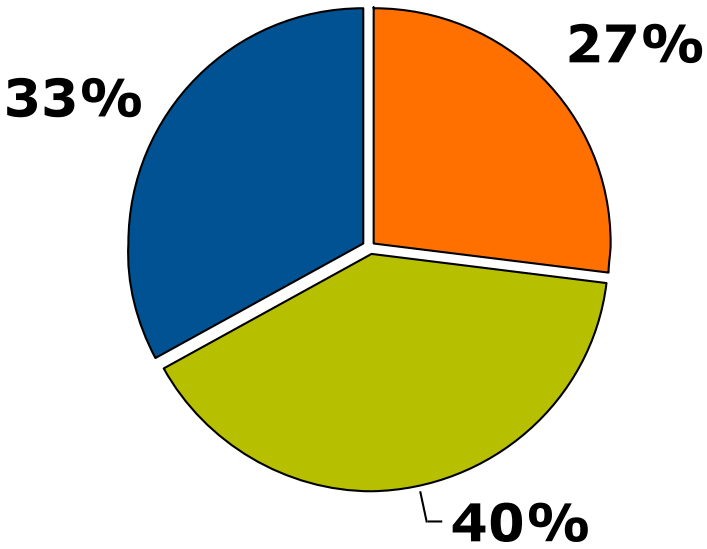
- Programs will continue to grow if the demand and economic justification are evident
  - Persistent demand by community or patient census
  - Good financial return
  - Increasing translational research or research revenue, or ability to sustain research
  - Incremental growth

- Barriers to growth were cited as a gap in the BMT workforce (physicians, fellows, mid-level practitioners, and residents)

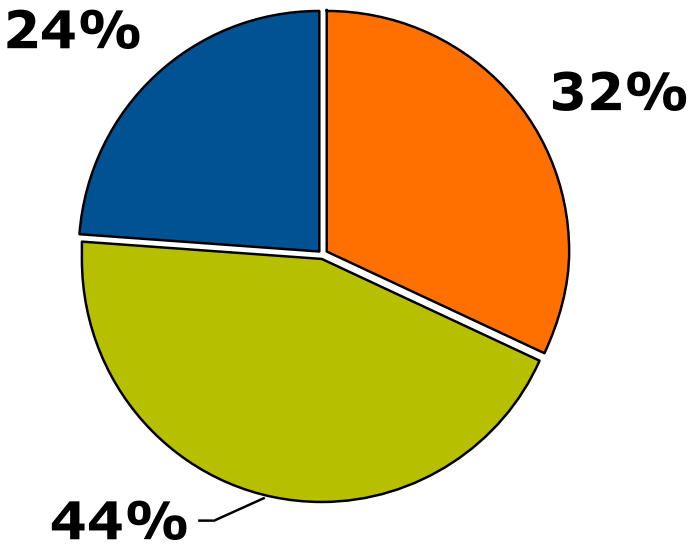
BMT Administrator/ Medical Director Survey: Demographics

- Respondent characteristics
  - 75% of respondents were BMT administrators or medical directors
  - Primarily academic and/or NCI-designated cancer centers
  - All regions of the country, both pediatric and adult programs, and all sizes of hospitals/BMT programs were represented
  - Cross section of center size - allogeneic & autologous combined
    - 39.5% under 50 transplants/yr
    - 39.5% between 51-150 transplants/yr
    - 21% over 150 transplants/yr

BMT Administrator/ Medical Director Survey: Key Findings



Inpatient capacity



Outpatient capacity

- Above capacity
- At capacity
- Below capacity

Key findings, continued

- Inpatient stay varies
  - 33% between 22-28 days
  - 29% 21 days or less
- Inpatient and outpatient capacity varied greatly
  - Centers below capacity tended to be small programs
- Growth over the last 10 years
  - 59% centers added inpatient beds
  - 75% added outpatient beds

Key findings, continued

- Expansion plans over the next five years
  - 49% are planning inpatient expansion
  - 42% have outpatient expansion plans
  - Medium and large centers more likely to expand
  - Incremental growth is the norm
- Transplant centers are optimistic about growth
  - 75% of inpatient expansion plans approved or supported
  - 70% of outpatient expansion plans approved or supported

Key findings, continued

- Other observations
  - Centers at or above capacity are more likely to pursue expansion
    - Though a quarter to a third of centers below capacity are planning expansions
  - 7% of inpatient and 10% of outpatient expansion plans were denied in the past ten years
    - High costs, insufficient space and/or staff, insufficient financial return
  - Support services would need to expand
  - Barriers to expansion
    - Lack of transplant physicians
    - Financial barriers were the limiting factor

Key findings, continued

If they come, we will build it

Recommendations

- Additional areas to explore
  - Assess regional variations in capacity
  - Identify current best practices
    - Identify centers with high patient transplant per bed rate to determine care delivery model
  - Imagine the facility of the future
    - Assess the impact of innovation in care delivery models and their impact on facility needs in the future

Recommendations

- Support expansion initiatives at transplant centers
  - Develop strategies, recommendations and methods to educate hospital administrators about the need for expansion
  - Provide data that program directors and administrators can use in business plans that recommend expansion
- Address disparities in access
  - Partner with patient housing resources in early stages of plans for expansion
  - Proactively advocate for expansion in underserved markets

Questions or Comments

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