Immunization of Adult Oncology Patients

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Vaccination Status in Adults

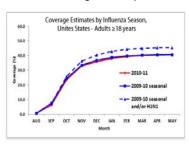
- CDC analyzed data from 2010 National Health Interview Survey (NHIS) regarding vaccine coverage
- Pneumococcal vaccine:
 - In high-risk adults age 19–64 year: 18.5%
 - In > 65-year-old: 59.7%
- Tetanus toxoid containing vaccine:
 - 19-49-year-old: 64%
 - 50-64-year-old: 63%
 - > 65-year-old: 53.4%
- TdaP in particular, 19–64-year-old: 8.2%
- HPV Vaccine in 19–26 year: 14% and < 1% males got it

CDC. MMWR. 2012;61(4):66-72.

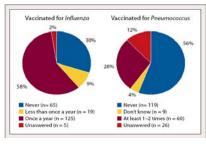
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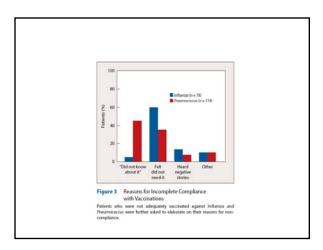
• Influenza vaccine coverage in > 18-year-olds was 40.5%



Lack of Compliance With National Vaccination Guidelines in Oncology Patients Receiving Radiation Therapy



Yee SS, et al. J Support Oncol. 2010;8(1):28-34.



Source of Information Regarding Vaccination Recommendations as Identified by Patients

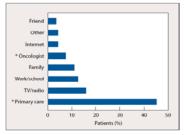


Figure 4 Sources of Vaccination Information Reported by Patients

General Principles of Vaccination in Oncology Patients

- Non-live vaccines can be given safely
- Vaccinate at least 2 weeks prior to initiation of chemotherapy
- If chemotherapy has been initiated, then wait for 3 months post-completion for vaccination
- Patients considered unprotected if vaccinated less than 2 weeks prior to initiation
 of chemotherapy. Re-vaccinate 3 months post-completion if no longer
 immunocompromised
- Immunosuppressive steroid dose: > 2 weeks of daily prednisone 20 mg or 2 mg/kg of its equivalent
- Persons receiving chemotherapy or radiation therapy should not receive live attenuated vaccines for at least 3 months after discontinuation of therapy and patient is presumed to be immunocompetent
- Certain live virus vaccines can be safely administered to household contacts (such as MMR, varicella), whereas others cannot due to risk of transmission (LAIV, as all law).

NCCN. Practice Guidelines in Oncology, v.2;2009.

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Conclusion

- Adult vaccination coverage rates remain low
- Lack of HCP recommendation for vaccination identified by patients as one of the main reasons
- Screen and recommend vaccination
- Make the vaccines available in the office
- Patient reminder and recall
- Standing order system

Resources

- Upcoming health manager on SAC will have link to CDC/ACIP Web sites
- MMWR. February 3, 2012; Vol. 61:No. 4: http://www.cdc.gov/vaccines/schedules/downloads/adul t/mmwr-adult-schedules.pdf

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