Potential Benefits of HPV Vaccines In Sexually Active Women

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- Primary protection from types not yet encountered.
- Secondary protection of transmission to partners.
- Increase herd immunity in the population.
- Reduce risk of progression by preventing auto-inoculation leading to TZ or endocervical infection.
- Neutralize shed virus, reducing transmission from infected women.
Questions to Be Addressed

• Primary protection from types not yet encountered. Influence of age on preexisting immunity, risk of acquisition, and risk of progression to cancer?
• Secondary protection of transmission to partners. Will sexual assortment patterns leave some unprotected? SMs?
• Increase herd immunity in the population. How large an effect? Is a single sweep enough?
• Reduce risk of progression by preventing auto-inoculation leading to TZ or endocervical infection. Why hasn’t this effect been seen in clinical trials?
• Neutralize shed virus, reducing transmission. Can this benefit be experimentally verified?