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The Private Immunization Delivery System for Children in Kansas, 2012

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Goal of study

- Enumeration of private clinics providing primary care to children age 0 to 5
- Enumeration of private clinics providing immunizations to children age 0 to 5
- Additional questions about:
 - VFC
 - KSWebIZ
 - Electronic Health Record systems
 - MOBI
 - HC Worker Immunization policies



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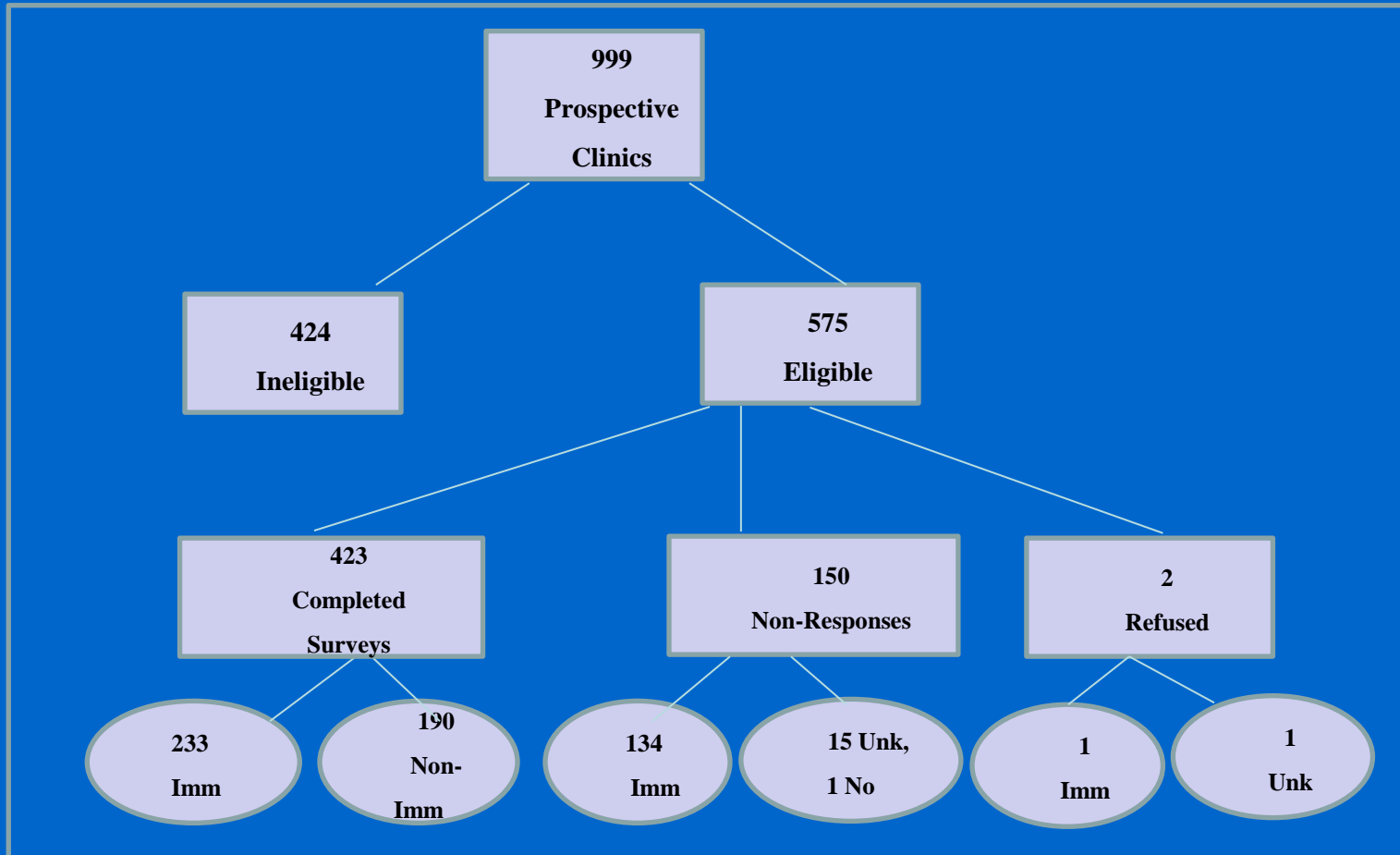
Process

- Construct list of possible primary care clinic locations
 - 2009 Clinic Survey list
 - KSBOHA file
 - Internet searches (Yellow Pages, WebMD, etc)
 - KSWebIZ, VFC participant lists
- De-duplicate list
- Mailed cover letter and survey
- Recheck undeliverable addresses against KSBOHA, KS Sec of State, Yellow Pages
- Track response status for each valid address
- Enlisted LHDs to verify county lists and complete open surveys
- Telephone contact with all outstanding clinics



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Survey Responses



Overall Response Rate = $423/575 = 73.6\%$

Immunization status verified for $559/575 = 97.2\%$



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2012 Results, Compared to 2006 & 2009

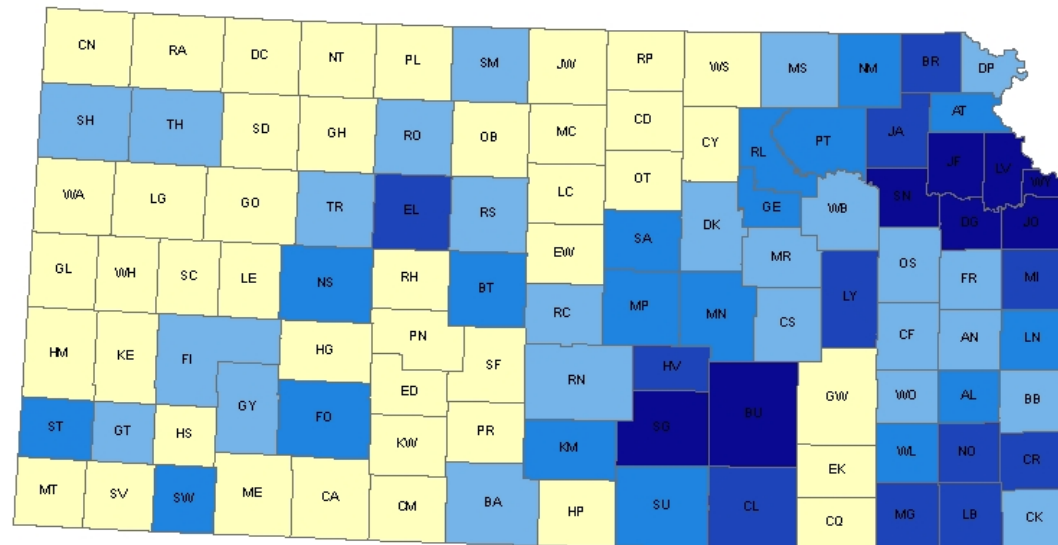
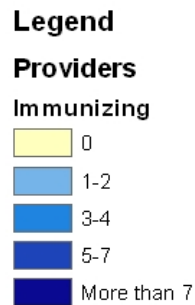
	2006	2009	2012
Number of Primary Care Clinics	479	486	573
Number of Immunizing Clinics	277	341	367
% of Clinics Immunizing	57.8%	70.2%	64.0%
Counties with 0 Primary Care Clinics	12	3	2
Counties with 0 Immunizing Clinics	49	39	43



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Distribution of Private-sector Immunizing Clinics

Number of Immunizing Providers





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Characteristics of Immunizing Clinic Respondents

Characteristic	Number	Percent
Practice Specialty (n=225)		
• Pediatric	43	19.1%
• Family Practice	167	74.2%
• Other	15	6.7%
Practice Affiliation (n=233)		
• No affiliation reported	132	56.7%
• Practice network or affiliation	17	7.3%
• Hospital owned	78	33.4%
• Unable to classify	6	2.6%
Practice Size (n=218)		
• Solo (0-1 physicians)	74	33.9%
• Medium (2-9 physicians)	135	61.9%
• Large (10 or more physicians)	9	4.1%
County Population Density (n=233)		
• Located in urban county	102	43.8%
• Located in semi-urban county	95	40.8%
• Located in rural county	36	15.5%



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Immunizations offered, by Insurance Type

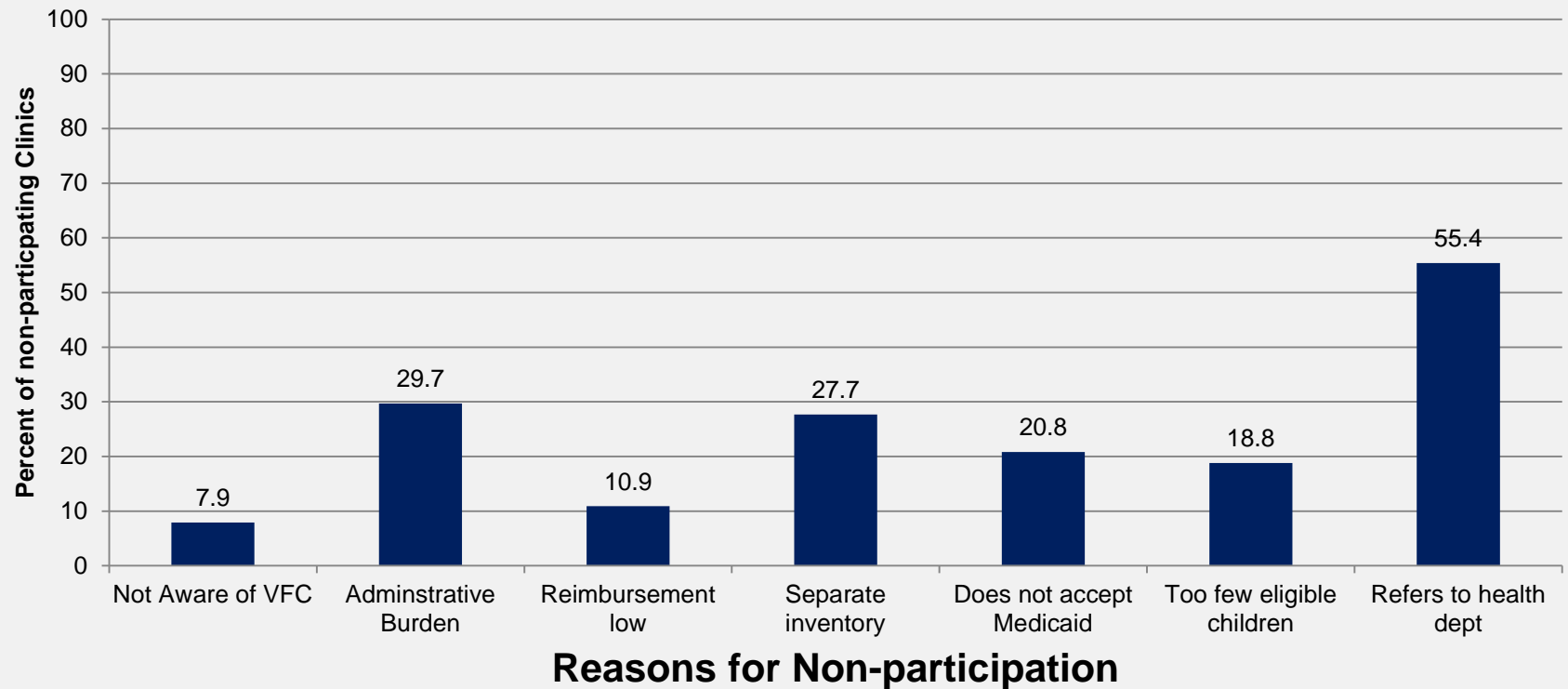
Offer Immunizations to:	Number of Clinics	Percent of Clinics
Privately insured children	222	96.5%
Uninsured children	180	83.3%
Children covered by Healthwave 19 (Medicaid)	133	62.4%
Children covered by Healthwave 21 (sCHIP)	129	61.1%
Children covered by traditional Medicaid	135	63.1%
Children covered by other insurance types (Tricare, etc.)	200	91.3%



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VFC Program Participation

- 56% of responding clinics participate in VFC

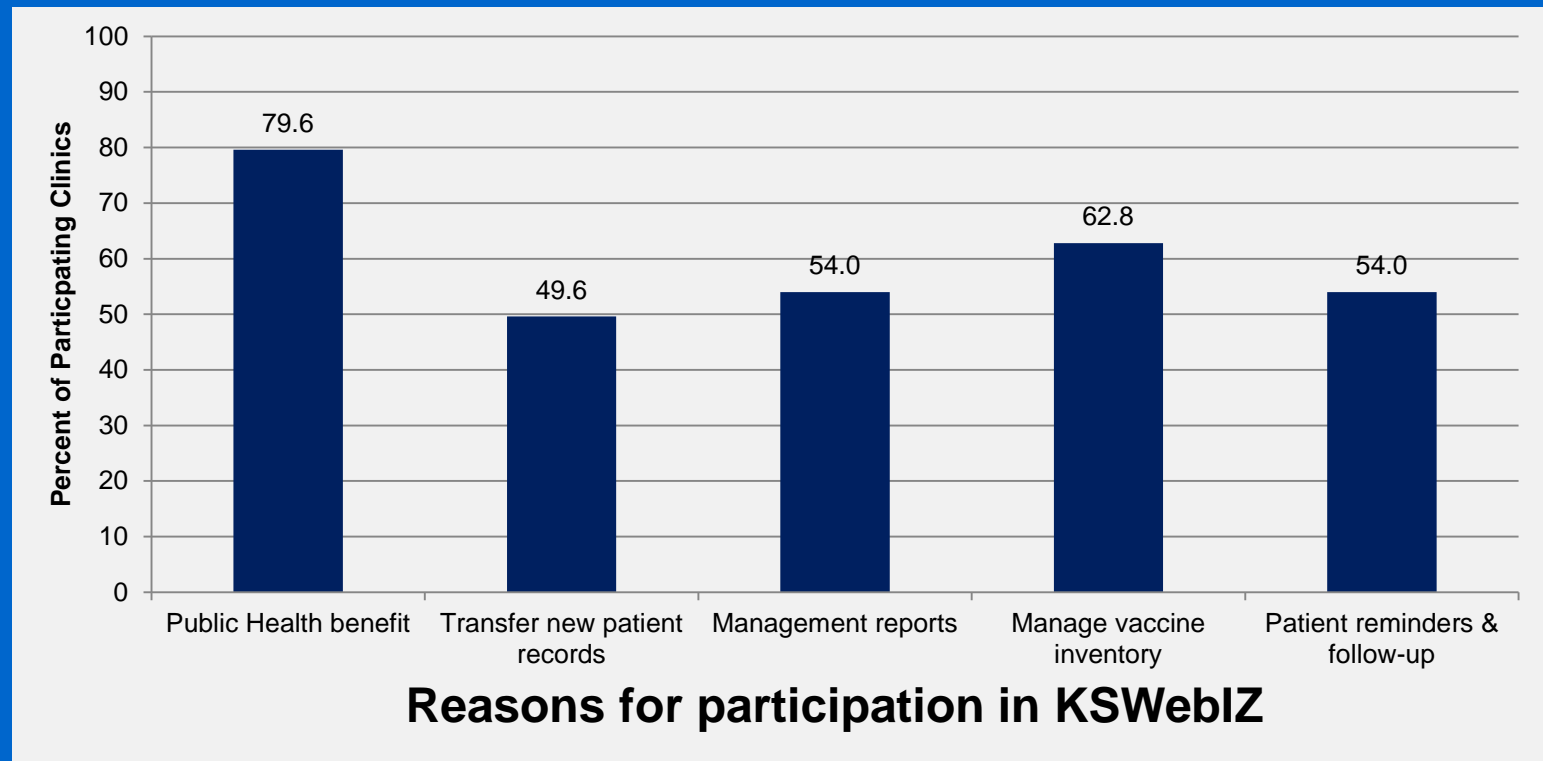




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KSWebIZ Participation

- 48.7% of responding clinics participate in WebIZ
- Majority of non-participants waiting on interface





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Immunization of Clinic Staff

Healthcare Worker Immunization Policies among Respondent Clinics

Vaccine	Neither recommended or required	Recommended, Optional	Mandatory
Hepatitis B (n=222)	3.2%	31.5%	65.3%
Influenza (n=224)	2.2%	65.2%	32.6%
Measles, Mumps, Rubella (MMR), or serologic evidence of immunity (n=218)	13.8%	39.9%	46.3%
Varicella, or history of disease or serologic evidence (n=209)	15.3%	42.6%	42.1%
Tetanus, diphtheria, pertussis (Tdap) (n=223)	7.2%	42.6%	50.2%



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Limitations

- No way to be certain whether list is complete
- Self-reported survey information, not verified
- Uncertain whether higher number of immunizing providers is real increase, or difference in methodology



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Conclusions

- Numbers of private sector primary care and immunizing clinics higher in 2012 than in 2006 or 2009
- Number of counties with no primary care clinics decreased to 2 in 2012
- No private-sector immunizing clinics in 43 of 105 counties
- Substantial portions of Western Kansas have no private-sector immunizing clinics



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