

Impact of Combination Vaccines

Advisory Committee on Immunization Practices

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Number of Shots & Cost

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	3	\$27.90	\$66.86
Rota	3	\$165.15	\$200.82
DTaP	5	\$65.25	\$107.73
Hib	3 to 4	\$32.49	\$77.72
PCV	4	\$248.56	\$294.80
IPV	4	\$44.24	\$98.28
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	34 to 36	\$846.55	\$1,239.00



Number of Shots & Cost with Comvax

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	1	\$9.30	\$22.29
Rota	3	\$165.15	\$200.82
DTaP	5	\$65.25	\$107.73
HepB*Hib	3	\$83.25	\$130.68
PCV	4	\$248.56	\$294.80
IPV	4	\$44.24	\$98.28
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	32 to 33	\$878.72	\$1,247.40



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Number of Shots & Cost with TriHibit

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	3	\$27.90	\$66.86
Rota	3	\$165.15	\$200.82
DTaP	4	\$52.20	\$86.19
Hib	3	\$24.36	\$65.34
DTaP*Hib	1	\$25.91	\$42.89
PCV	4	\$248.56	\$294.80
IPV	4	\$44.24	\$98.28
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	34 to 35	\$851.29	\$1,247.97



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Number of Shots & Cost with Pediarix

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	1	\$9.30	\$22.29
Rota	3	\$165.15	\$200.82
DTaP	2	\$26.10	\$43.09
DTaP*HepB*IPV	3	\$143.25	\$212.16
Hib	3 to 4	\$32.49	\$77.72
PCV	4	\$248.56	\$294.80
IPV	1	\$44.24	\$98.28
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	29 to 31	\$932.05	\$1,341.95



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Number of Shots & Cost with ProQuad

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	3	\$27.90	\$66.86
Rota	3	\$165.15	\$200.82
DTaP	5	\$65.25	\$107.73
Hib	3 to 4	\$32.49	\$77.72
PCV	4	\$248.56	\$294.80
IPV	4	\$44.24	\$98.28
Influenza	6 to 7	\$84.97	\$94.89
MMRV	2	\$155.50	\$248.74
HepA	2	\$24.50	\$59.11
Total	32 to 34	\$848.55	\$1,248.94



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Number of Shots & Cost with Pentacel

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	3	\$27.90	\$66.86
Rota	3	\$165.15	\$200.82
DTaP	1	\$13.05	\$21.55
DTaP*Hib*IPV	4	???	???
PCV	4	\$248.56	\$294.80
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	27 to 28	???	???



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Number of Shots & Cost with Kinrix + Pediarix

Vaccine	# of shots	CDC Series Cost	Catalog Series Price
HepB	1	\$9.30	\$22.29
Rota	3	\$165.15	\$200.82
DTaP	1	\$13.05	\$21.55
DTaP*HepB*IPV	3	\$143.25	\$212.16
Hib	3 to 4	\$32.49	\$77.72
PCV	4	\$248.56	\$294.80
DTaP*IPV	1	???	???
Influenza	6 to 7	\$84.97	\$94.89
MMR	2	\$35.20	\$89.68
Varicella	2	\$118.30	\$149.12
HepA	2	\$24.50	\$59.11
Total	28 to 30	???	???



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Number of Shots & Cost – Summary

Schedule	# of shots	CDC Series Cost	Catalog Series Price	"Extra" Doses
Baseline	34 to 36	846.55	1,239.00	N/A
Comvax	32 to 33	878.72	1,247.40	HepB
TriHibit	34 to 35	851.29	1,247.97	N/A
Pediarix	29 to 31	932.05	1,341.95	HepB
ProQuad	32 to 34	848.55	1,248.94	N/A
Pentacel	27 to 28	???	???	IPV
Kinrix + Pediarix	28 to 30	???	???	HepB



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DTaP Market



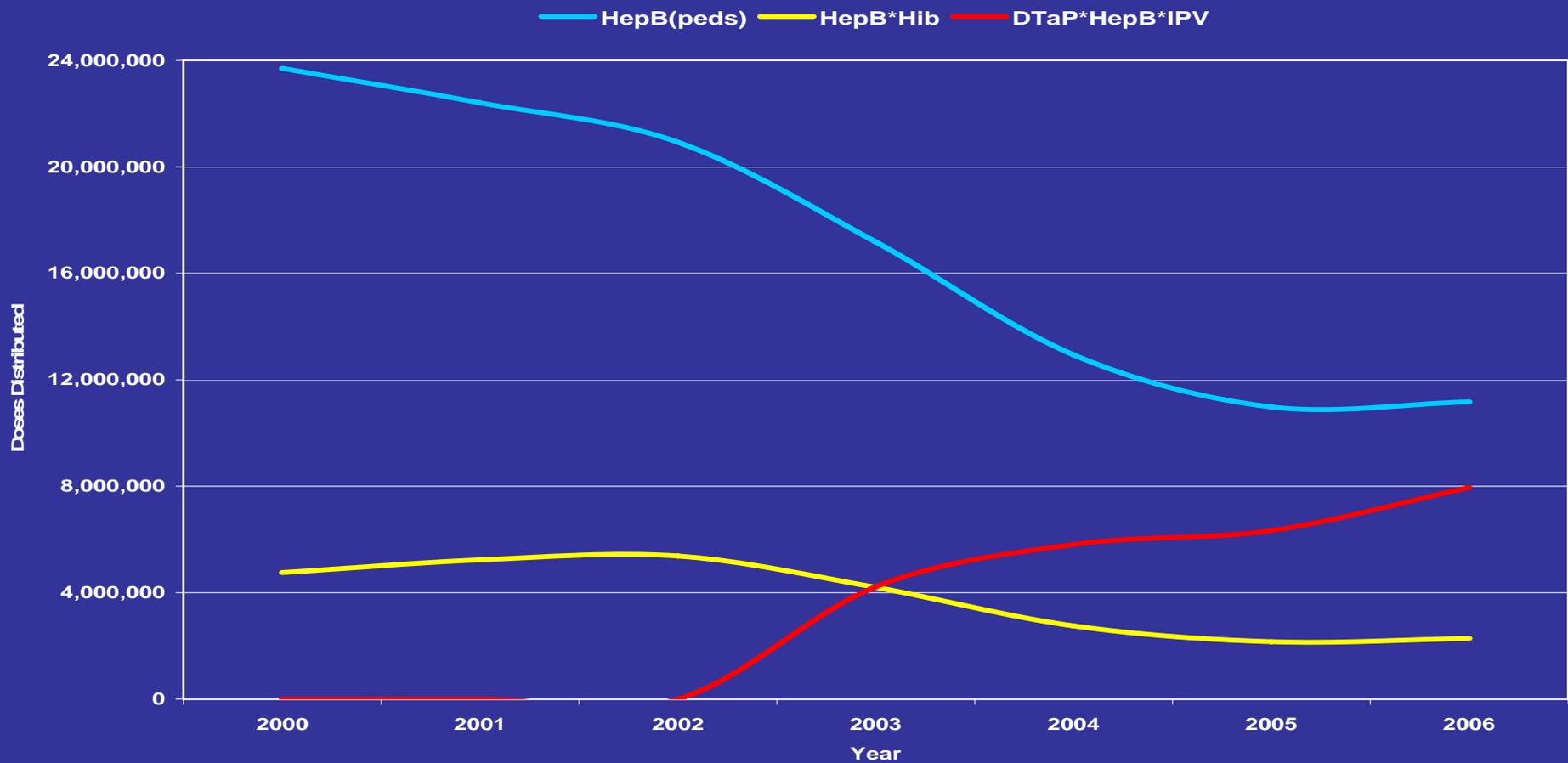
TriHibit licensed 9/96; Pediarix licensed 12/02

DTaP shortage 3/01-7/02



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HepB Market

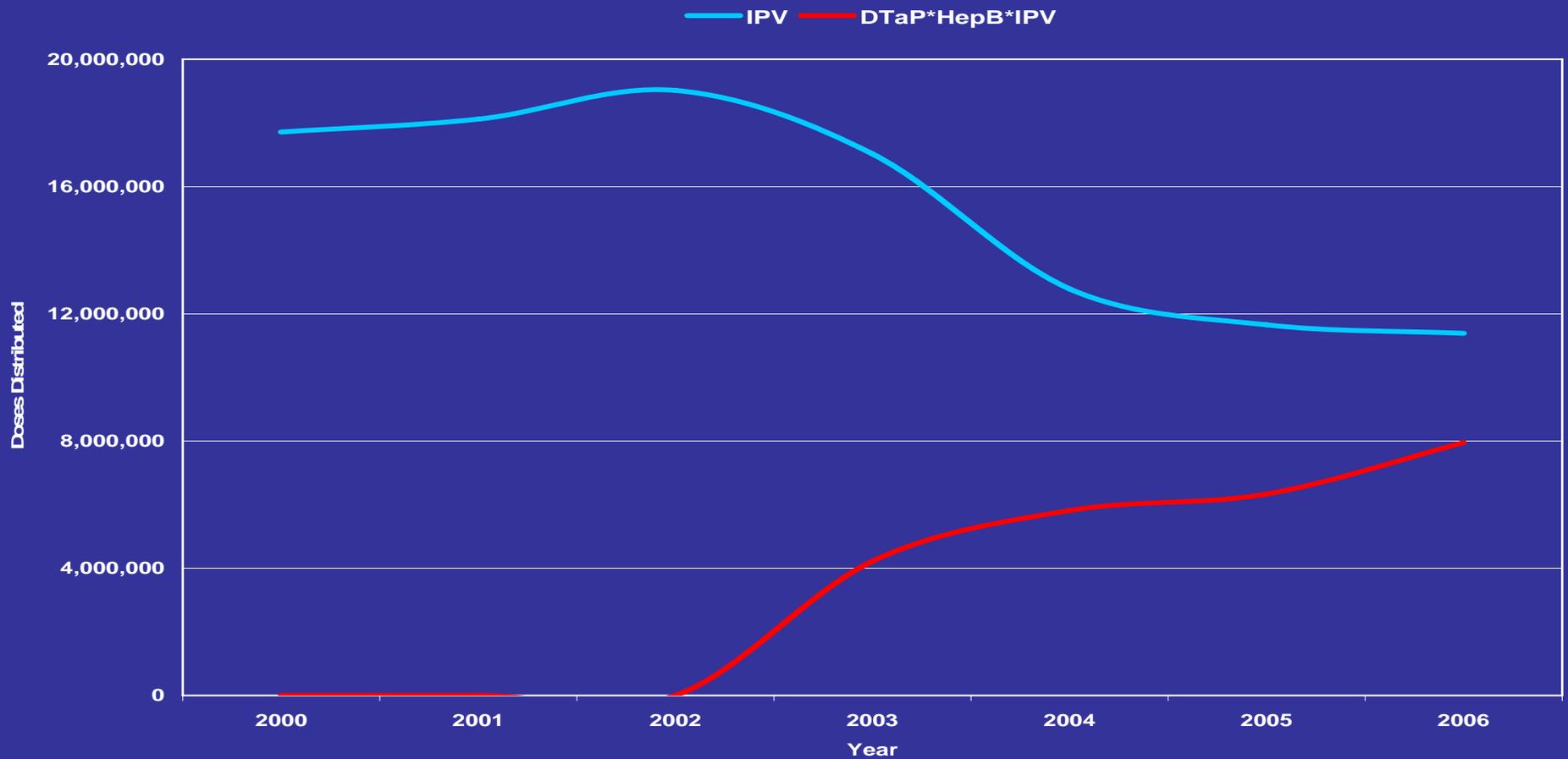


Comvax licensed 10/96; Pediarix licensed 12/02



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IPV Market

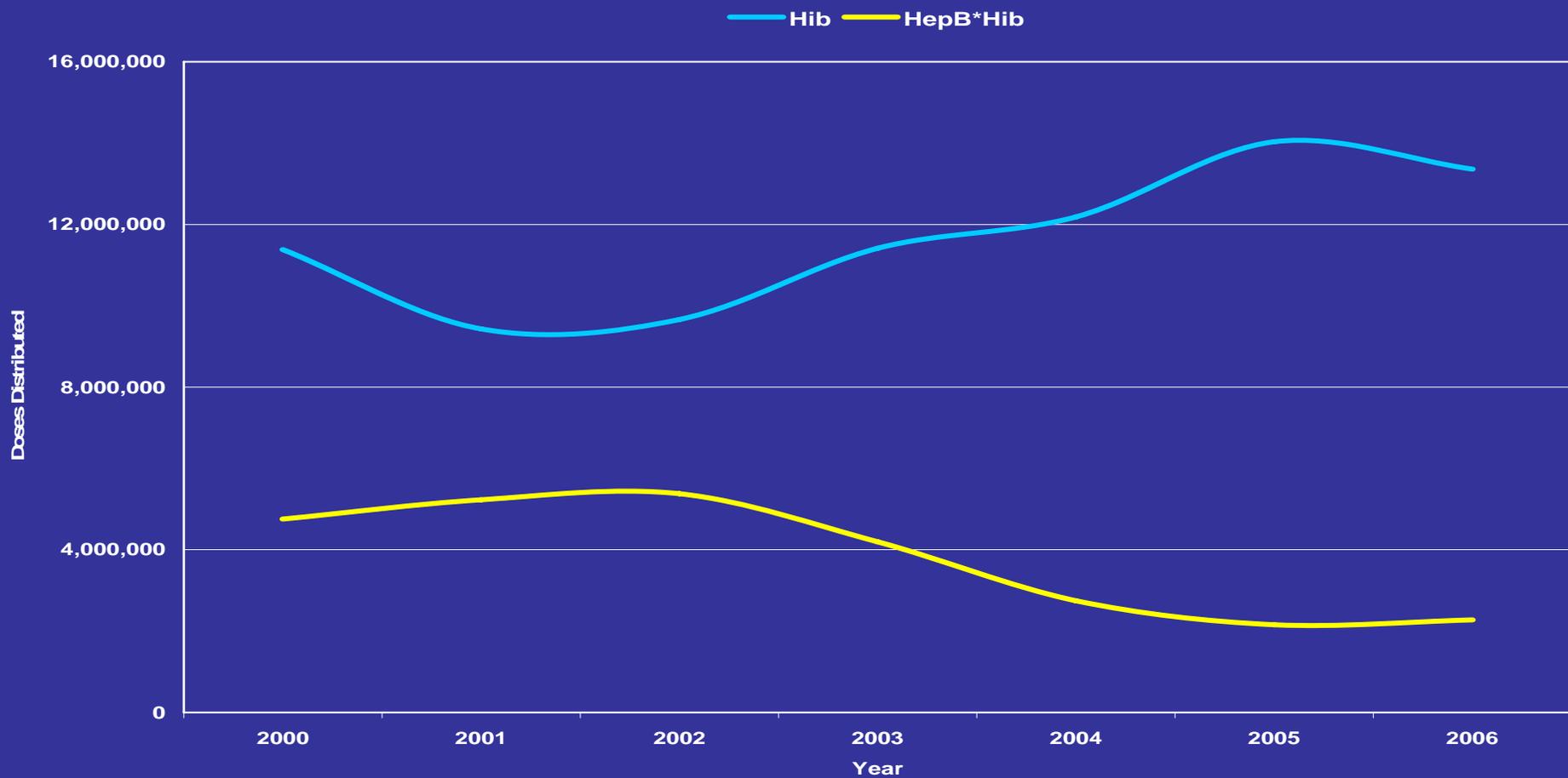


Pediarix licensed 12/02



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Hib Market

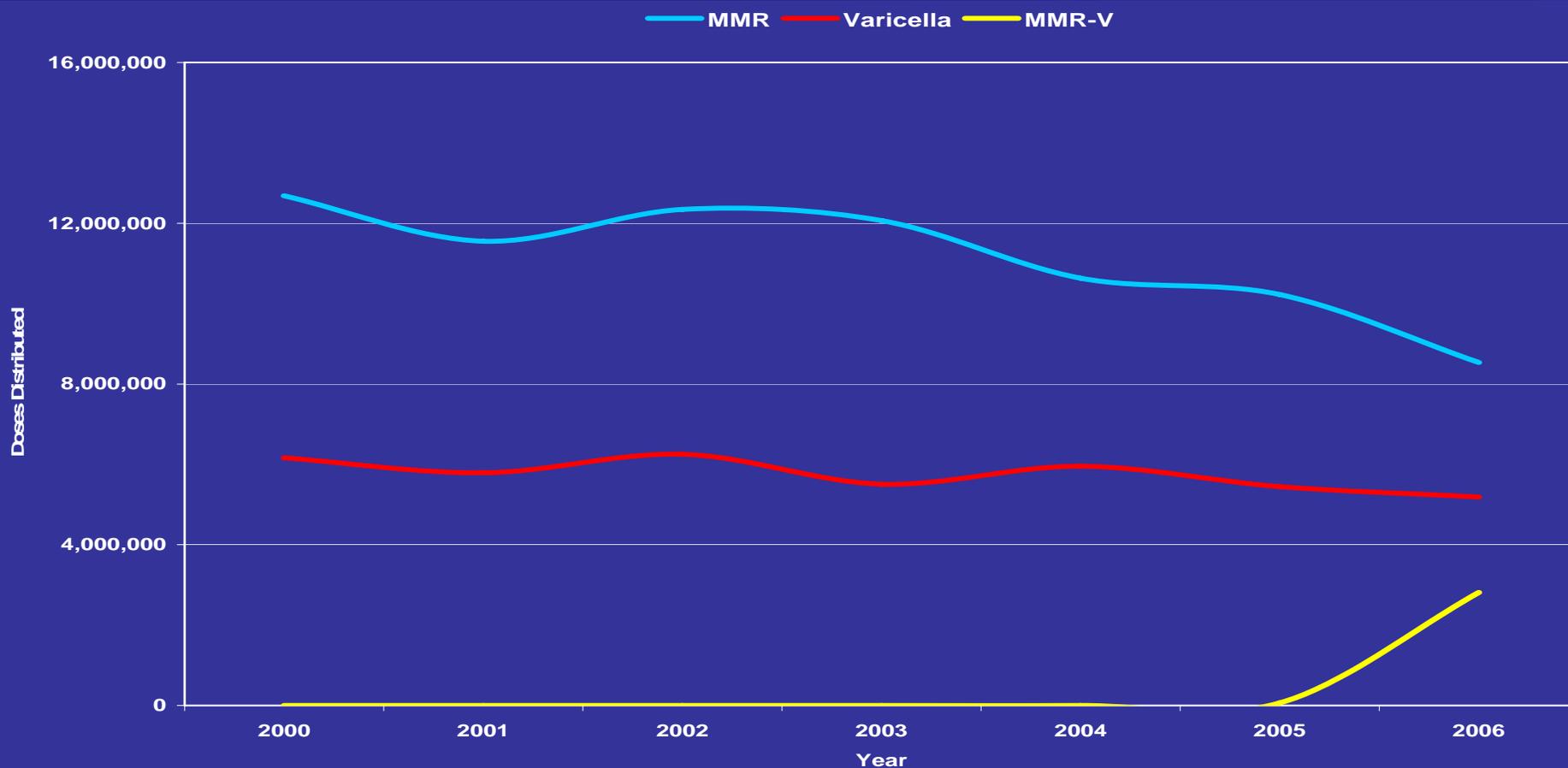


Comvax licensed 10/96



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MMR/Varicella Market



ProQuad licensed 9/05; Routine 2-dose Varicella 2/06

MMR shortage 10/01-7/02; Varicella shortage 10/01-8/02

MMRV shortage 2/07-present



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Summary

- **Combination Vaccines do decrease number of required shots**
- **Combination Vaccines do not markedly increase the total vaccine costs (other costs may occur)**
- **Changing markets are dynamic, somewhat unpredictable and influenced by many factors**



Things to Consider

- Combination vaccines can complicate schedules particularly for catch-up
 - Registries useful for catch-up
- Combination vaccines may improve coverage
- May lead to 'extra' doses
- Combination vaccines can complicate targeting and maintaining pediatric vaccine stockpiles

