SYSTEMSERIE

58 / CAP TODAY

March 2007

Anatomic pathology computer systems

Part 1 of 12	Aspyra	Cerner Corp.
	Bill Blair sales@aspyra.com	Jeff Sluder jeff.sluder@cerner.com
	26115-A Mureau Rd.	2800 Rockcreek Parkway
	Calabasas, CA 91302 800-437-9000 www.aspyra.com	Kansas City, M0 64117 816-201-7072 www.cerner.com
See accompanying article on page 54		CIC-201-7072 www.cemei.com
Name of anatomic pathology system	CyberPath	Cerner Millennium PathNet Anatomic Pathology
First ever AP system installation/most recent AP system installation	2000/2006	1982/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	15 (10/2/2/1/0)	144 (132/2/1/9/0)
 No. of contracts that went live in 2006 No. of contracts not yet live/No. of these contracts signed in 2006 	0 2/1	24 52/20 (through third quarter)
No. of sites operating AP system	15	52/20 (through third quarter) 179
Percentage of installations that have stand-alone AP systems	0	16%
Staff to develop-install and support-other**		
 In entire company In LIS division (including AP)/in AP systems only 	30-45-30 15-25-20/4-8-12	1,300-2,300-3,700 65-125-40/0
No. of interactive terminals (user workstations) in sites operating system	2–250 (ave., 160)	10–400 (ave., 10–20)
Range in No. of surgical pathology cases per year in sites operating system Range in No. of gynecologic cytology cases per year in sites operating syst.	3,000–200,000 3,000–10,000	5,000–100,000 2,500–100,000
	0,000 10,000	2,000 100,000
Central hardware or service type	HP/Compaq, IBM RS/6000	Compaq, IBM RS/6000
Terminals (workstations) or PC platform	PC workstations	Intel Pentium
Innovative peripherals Network installation required?/networks supported	voice dictation enabled, image capture and storage, report/image access yes/LAN, WAN, TCP/IP	image enabled, Web enabled, bar codes, cassette labeler, slide labeler yes/LAN, WAN, TCP/IP, Unix
Programming language(s)	MicroFocus Cobol, Dialog, C, Visual Basic	Visual C++, Visual Basic, Java
Databases and tools used	ODBC compliant	Oracle
Word processor(s) used Operating system(s)	MS Word SCO Unix, AIX	MS Word, Visual Writer Open VMS, AIX, WIndows 2000, NT, XP
operaulity system(s)		ομοτι νίνιο, πιλ, ννιτίαυννο 2000, Ιντ, ΑΓ
Features (listed as a percentage of live installs or based on availability)		
Surgical pathology information system Surplace information system	100%	100%
 Cytology information system/autopsy information system Specimen log-in/entry of block IDs 	30%/100% 100%/100%	90%/80% 100%/100%
Specimen labels	100%	80%
Histology slide labels/bar-coded slide labels	100%/100%	100%/80%
Histology worksheets Word processing—vendor specific	100% 0	100% 80%
Word processing—vendor specific Word processing—standard tools (Word, WordPerfect)	0 100%	20%
 Voice entry of gross description/back-end batch voice to text 	100%/100%	<5%/not available
Gross and microscopic images integrated in reports	100%	20%
Electronic signature Remote printing of completed reports	100% 100%	100% 80%
Direct fax reports	100%	80%
Web-based remote inquiry of reports	40%	<5%
Physician Web access for order entry	30%	<5% 100%
 Natural language search capability Multi-site or multi-facility-wide area network 	 25%	40%
Sound-alike retrieval of patient history	available in July 2007	100%
Autopsy measurements and organ weights	available but not installed	80%
 Tumor registry reports/management reports Cytology abnormal—unsatisfactory list to doctors 	100%/100% 30%	100%/100% 90%
 Cytology diagnostics statistics by pathologist or cytotechnologist 	50%	90%
 Histology-cytology correlation report 	50%	90%
 Reports sufficient to comply with CLIA '88 regulations Comprehensive billing and accounts receivable 	100%	90%
HIS interface: A/D/T	not available 80%	<5% 95%
 HIS interface: result reporting/incoming clinical results 	80%/100%	100%/100%
Interface to external billing system	80%	80%
 Partin tables or Gleason score calculations Synoptic reporting 	available in September 2007 available in September 2007	not available 9%
Specimen tracking and retrieval	available but not installed	available in 2008
Client services module	40%	installed
Consult management and reporting	30%	not available
Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation?	yes no	no yes
·		-
Routine results encoded in SNOMED? Routine results encoded in SNOMED CT?	no yes (at 25% of sites)	yes (at 50% of sites) no
AP system uses autoencoder to create SNOMED codes?	yes (at 25% of sites) NO	yes
Percentage of installed sites that represent cases in free text	75%	50%
No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	NAACCR format available but not installed/2 in HL7 format	5 in NAACCR format
Complete AP application service provider solution?	no	yes fixed for
Method of charging for ASP service Client software required	_	fixed fee requires software be installed on a client PC
ASP information conduit	-	requires software be instaned on a cherici o
Client contracts supported from data center not operated by client	-	100+
How data center is operated		by vendor
Other information systems interfaced	Misys, McKesson, IDX, QuadraMed, Siemens, Meditech, others	Cerner, Eclipsys, Epic, McKesson, IDX, Siemens, TDS
Voice-recognition packages integrated with AP system	Dragon Naturally Speaking	Dragon Medical Suite voice recognition
Histology and cytology laboratory instruments interfaced	none	Shur/Mark, Thermo Shandon cassette and slide labelers
User interface in language other than English?	no	yes (German)
Source code?/user group? User can modify screens?	escrow/yes (meets in person) no	yes/yes (meets in person and online) yes
Cost (hardware/software/installation and training/monthly maintenance)		
Smallest stand-alone system	_	_
Largest stand-alone system	-	-
Base price of integrated system, excluding AP configuration	-	—
 Incremental cost to add smallest AP configuration Incremental cost to add largest AP configuration 	_	_
Distinguishing features (supplied by vendor)	stand-alone or integrated with Aspyra LIS	• over 25 years in the industry with proven scalability and performance
*H=U.S. hospitals, IL=independent labs in U.S.,	 flexible workflow with system decision support rules and image bandling 	comprehensive integrated single system for all lab departments continued impositions, including gapanics, laboratory outcooch
C or GP=clinics or group practices in U.S., FI=foreign installations, OS=other sites	 handling database access for customized reports with standard statistical reports 	 continued innovations, including genomics, laboratory outreach solutions, patented synoptic reporting
**other=sales, marketing, administration, and other company functions		·······, -······
Fabulation does not represent an endorsement by the College of American Patholo	niete	Survey editors: Raymond Aller, MD, and Hal We

Tabulation does not represent an endorsement by the College of American Pathologists.

Survey editors: Raymond Aller, MD, and Hal Weiner

March 2007

CAP TODAY / 59

Anatomic pathology computer systems

Part 2 of 12	Cerner DHT Michele Connors michele.connors@cerner.com	Clinical Information Systems Angela Woolley cissupport@aol.com
	2 University Office Park, 51 Sawyer Rd. Waltham, MA 02453	18805 Willamette Drive West Linn, OR 97068
ee accompanying article on page 54	816-885-4818 www.cerner.com	800-869-0680 www.cislab.com
ame of anatomic pathology system	CoPathPlus	CISLab CPS
irst ever AP system installation/most recent AP system installation lo. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	1982/2006 182 (151/25/0/6/0)	1988/2006 20 (1/18/1/0/0)
No. of contracts that went live in 2006	7	0
 No. of contracts not yet live/No. of these contracts signed in 2006 No. of sites operating AP system 	6/4 268	1/1 20
Percentage of installations that have stand-alone AP systems	100%	60%
Staff to develop-install and support-other** In entire company	1,300-2,300-3,700	6-6-1
 In LIS division (including AP)/in AP systems only 	-/15-45-5	6-6-1/1-6-1
No. of interactive terminals (user workstations) in sites operating system	1–1,000 (ave., 50)	1–100 (ave., 15)
Range in No. of surgical pathology cases per year in sites operating system Range in No. of gynecologic cytology cases per year in sites operating syst.	3,000–900,000 2,000–1,000,000	2,500–115,000 3,000–300,000
Central hardware or service type	IBM RS/6000, Intel Pentium, Sun Solaris, Dell, Compag	DEC, HP, IBM, generic PCs, Dell, Compag
erminals (workstations) or PC platform	Intel Pentium, Citrix through client, Dell, Compaq	generic PCs, Wyse, Link
nnovative peripherals Vetwork installation required?/networks supported	voice enabled, image enabled, bar-code scanners, cassette labelers, others yes/LAN, WAN, TCP/IP, Novell, Microsoft	HP scanners, Philips, optical, image interface, video/audio input yes/LAN, Unix, TCP/IP
Programming language(s)	PowerBuilder, C++	Delphi, Cobol, C++
Databases and tools used	MS SQL, Sybase	Interbase, MS SQL, C-ISAM, Access
Nord processor(s) used Dperating system(s)	MS Word, TX Text Control (Visual Writer) Windows 98, 2000, 2003, XP, AIX, Unix	WordPerfect tools, MS Word Windows, SCO Unix
Features (listed as a percentage of live installs or based on availability)	· · · , · · · , · · · · · · · · · · · ·	
Surgical pathology information system	99%	100%
 Cytology information system/autopsy information system Specimen log-in/entry of block IDs 	100%/75% 100%/100%	100%/5% 100%/100%
Specimen log-inventry of block lbs Specimen labels	50%	100%
 Histology slide labels/bar-coded slide labels 	90%/30%	100%/100%
Histology worksheets Word processing—vendor specific	99% 45%	100% 5%
 Word processing—standard tools (Word, WordPerfect) 	45% 55%	100%
Voice entry of gross description/back-end batch voice to text	15%/available second quarter 2007	5%/not available
 Gross and microscopic images integrated in reports Electronic signature 	20% 99%	5% 100%
Remote printing of completed reports	2%	100%
 Direct fax reports Web-based remote inquiry of reports 	95%	100%
Meb-based remote inquiry of reports Physician Web access for order entry	5% —	20% 20%
Natural language search capability	100%	not available
 Multi-site or multi-facility-wide area network Sound-alike retrieval of patient history 	95% not available	1% not available
Autopsy measurements and organ weights	not available	5%
Tumor registry reports/management reports	100%/100%	100%/100%
 Cytology abnormal—unsatisfactory list to doctors Cytology diagnostics statistics by pathologist or cytotechnologist 	100% 100%	100% 100%
 Histology-cytology correlation report 	100%	100%
Reports sufficient to comply with CLIA '88 regulations	100%	100%
Comprehensive billing and accounts receivable HIS interface: A/D/T	not available 95%	50% 10%
 HIS interface: result reporting/incoming clinical results 	95%/2%	10%/10%
Interface to external billing system Partin tables or Classon score calculations	95% available first quester 2007	50% 10%
 Partin tables or Gleason score calculations Synoptic reporting 	available first quarter 2007 20%	not available
Specimen tracking and retrieval	not available	not available
 Client services module Consult management and reporting 	not available 95%	100% not available
Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation?	no no	yes no
Routine results encoded in SNOMED?	yes (at 90% of sites)	no
Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes?	yes (at 10% of sites)	yes (at 5% of sites)
Percentage of installed sites that represent cases in free text	yes —	no 95%
No. of installations that use AP system to automatically electronically transfer	3 in NAACCR format/1 in HL7 format/unknown number using state-based	0
tumor diagnoses to a tumor registry	electronic spreadsheet	
Complete AP application service provider solution?	yes	no
Aethod of charging for ASP service Client software required		_
ASP information conduit	system hosted and maintained by Cerner	_
Client contracts supported from data center not operated by client How data center is operated	2 by vendor	_
	•	Madial Manager Madian 18.11 Bit 1 Bit 1 Bit 1
Other information systems interfaced Voice-recognition packages integrated with AP system	Cerner, McKesson, IDX, Siemens, TDS, Meditech, Keane, Eclipsys, Epic Dragon Naturally Speaking	Medical Manager, Medfax, McKesson, Dairyland, PCN, Praxis, others none
Histology and cytology laboratory instruments interfaced	Shur/Mark, Thermo Shandon, Leica, Sakura, General Data, Ventana	none
User interface in language other than English?	no	no
Source code?/user group?	escrow/yes (meets in person and online) yes	escrow/no no
Jser can modify screens?		
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	_	\$5k/\$7.5k/\$3k/\$.35k
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system	Ξ	\$100k/\$100k/\$20k/\$2.5k
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration	- - -	\$100k/\$100k/\$20k/\$2.5k \$7.5k-\$150k
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system		\$100k/\$100k/\$20k/\$2.5k
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	outstanding dedicated sunnort	\$100k/\$100k/\$20k/\$2.5k \$7.5k-\$150k \$5k/\$7.5k/\$3k/\$.35k —/\$50k-\$100k/\$5k-\$20k/\$2.5k
User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	outstanding dedicated support advanced imaging and synoptic reporting capabilities extreme flexibility to clients' workflow and report formats	\$100k/\$100k/\$20k/\$2.5k \$7.5k-\$150k \$5k/\$7.5k/\$3k/\$.35k

 \oplus

 $\label{eq:constraint} \ensuremath{\mathsf{Tabulation}}\xspace \ensuremath{\mathsf{obs}}\xspace \ensuremath{\mathsf{obs$

60 / CAP TODAY

Anatomic pathology computer systems

D-10-(10	Computer Truct Corp	Cartey Madical Management Systems
Part 3 of 12	Computer Trust Corp. David Liberman, MD info@ctcsurge.com	Cortex Medical Management Systems Stan Gordon sgordon@cortexmed.com
	1 State St.	2107 Elliott Ave., Ste. 201
	Boston, MA 02109-3507	Seattle, WA 98121
See accompanying article on page 54	617-557-9264 www.ctcsurge.com	206-812-6982 www.cortexmed.com
Name of anatomic pathology system	WinSurge	The Gold Standard
	-	
First ever AP system installation/most recent AP system installation	1989/2006	1986/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)* • No. of contracts that went live in 2006	74 (33/15/0/0/26†) 7	49 (20/29/0/0/0) 3
No. of contracts not yet live/No. of these contracts signed in 2006	0/0	/3
No. of sites operating AP system	90	55
Percentage of installations that have stand-alone AP systems	100%	67%
Staff to develop-install and support-other** In entire company 	confidential	4-2-2
 In LIS division (including AP)/in AP systems only 	confidential	4-2-2/4-2-2
No. of interactive terminals (user workstations) in sites operating system	5–3,000 (median, 30)	3–63 (ave., 25)
Range in No. of surgical pathology cases per year in sites operating system Range in No. of gynecologic cytology cases per year in sites operating syst.	5,000–300,000 0–250,000	50–70,000 50–120,000
Central hardware or service type	Windows, Unix, cluster, other	Windows compatible
Terminals (workstations) or PC platform Innovative peripherals	Windows, Citrix, Web, VPN, Telnet, terminals scanners, cassette/slide labelers, etchers, Web reporting, others	Windows PC Twain-compliant image capture, optical and mark sense readers
Network installation required?/networks supported	user's option/LAN, WAN, TCP/IP, Citrix, Unix, VPN	yes/TCP/IP
Programming language(s)	Visual Basic, Caché, SQL	Visual Basic
Databases and tools used	Object Caché, SQL, Crystal Reports	Microsoft SQL server
Word processor(s) used	Word, RTF, plain text	Microsoft Word
Operating system(s)	Windows 2000, 2003, XP, Professional, Unix, cluster, Citrix	Windows 2000, XP, 2003
Features (listed as a percentage of live installs or based on availability)		
Surgical pathology information system	100%	95%
Cytology information system/autopsy information system Specimen log_in/entry of block lDs	84%/63%	95%/50% 100%/80%
Specimen log-in/entry of block IDs Specimen labels	100%/100% 100%	100%/80% 80%
Specifien rabels Histology slide labels/bar-coded slide labels	100%	80% 80%/20%
Histology worksheets	100%	95%
Word processing—vendor specific	100%	0
Word processing—standard tools (Word, WordPerfect) Vaice entry of gross description (back, and batch vaice to text)	100%	95%
 Voice entry of gross description/back-end batch voice to text Gross and microscopic images integrated in reports 	19%/19% 81%	2%/— 40%
Electronic signature	85%	90%
Remote printing of completed reports	49%	90%
Direct fax reports	77%	60%
Web-based remote inquiry of reports	57%	33%
 Physician Web access for order entry Natural language search capability 	45% 100%	0 100%
Matura ranguage search capability Multi-site or multi-facility-wide area network	76%	20%
 Sound-alike retrieval of patient history 	100%	100%
Autopsy measurements and organ weights	63%	20%
 Tumor registry reports/management reports Cytology abnormal—unsatisfactory list to doctors 	100%/100% 84%	80%/100% 60%
 Cytology diagnostics statistics by pathologist or cytotechnologist 	84%	90%
 Histology-cytology correlation report 	84%	90%
 Reports sufficient to comply with CLIA '88 regulations 	100%	100%
Comprehensive billing and accounts receivable	not available	35%
HIS interface: A/D/T HIS interface: result reporting/incoming clinical results	32% 32%/installed	31% 38%/0
 Interface to external billing system 	30%	31%
 Partin tables or Gleason score calculations 	29%	15%
Synoptic reporting	100%	70%
Specimen tracking and retrieval Glient convices module	100%	100%
Client services module Consult management and reporting	100% 100%	0 60%
Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation?	yes no	no no
Routine results encoded in SNOMED?	yes (at 10% of sites)	_
Routine results encoded in SNOMED CT?	no	-
AP system uses autoencoder to create SNOMED codes?	yes	-
Percentage of installed sites that represent cases in free text	90%	_
No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	40% in NAACCR format	7 in NAACCR format/3 in HL7 format/7 in other formats
Complete AD empleoties consistent station		100
Complete AP application service provider solution? Method of charging for ASP service		yes fixed fee
Client software required	_	requires software be installed on a client PC
	_	operates over the Internet
ASP information conduit		2
Client contracts supported from data center not operated by client	-	Z hu o third northy (Ad Haat)
		2 by a third party (Ad Host)
Client contracts supported from data center not operated by client	— — Cerner, McKesson, TDS, HDS, Per-Sé, IDX, Misys, CPSI, Siemens, others	2 by a third party (Ad Host) 3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Dragon Naturally Speaking Professional	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Dragon Naturally Speaking Professional	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person)	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online)
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k 0 \$10k/\$25k/\$10k/\$.5k	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k \$75k/\$50k/\$200k/\$7k \$80k \$1k/\$2.8k/\$1.4k/\$.5k
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k 0	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k \$75k/\$500k/\$200k/\$7k \$80k
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k 0 \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k \$75k/\$500k/\$200k/\$7k \$80k \$1k/\$2.8k/\$1.4k/\$.5k \$1k/\$2.8k/\$1.4k/\$.5k
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration • Incremental cost to add largest AP configuration • Incremental cost to add largest AP configuration	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k 0 \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k • puts you in control of your lab • fast return on investment	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k \$75k/\$50k/\$200k/\$7k \$80k \$1k/\$2.8k/\$1.4k/\$.5k
Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	Dragon Naturally Speaking Professional laser slide engraver, cassette-label etcher, microscope cameras, others yes (custom offering) escrow (user's option and expense)/yes (meets in person) yes \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k 0 \$10k/\$25k/\$10k/\$.5k \$100k/\$2.5m/\$1.5m/\$30k • puts you in control of your lab	3M, 4Medica, Aspyra, Cerner, McKesson, Meditech, Orchard, Per-Sé, oth Dragon none no escrow/yes (meets in person and online) no \$.5k/\$50k/\$20k/\$1k \$75k/\$50k/\$200k/\$7k \$80k \$1k/\$2.8k/\$1.4k/\$.5k \$1k/\$2.8k/\$1.4k/\$.5k • Web-based secure delivery system for results reporting

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 60

62 / CAP TODAY

Anatomic pathology computer systems

Part 4 of 12	eTeleNext	GE Healthcare
Fail 4 01 12	Joseph Nollar sales@etelenext.com	Barbara Mullarky barbara.mullarky@ge.com
	28570 Marguerite Pkwy., Ste. 222	3100 Steeles Ave. East, #900
	Mission Viejo, CA 92692	Markham, Ontario L3R 8T3 Canada
	949-365-0952 www.etelenext.com	520-722-9734 www.gehealthcare.com/usen/cis/index.html
See accompanying article on page 54	343-303-0932 www.etelenext.com	520-122-9134 www.genealuicale.com/user/cis/index.num
Name of anatomic pathology system	eTeleNext AP Anywhere	Centricity Ultra Laboratory AP
First ever AP system installation/most recent AP system installation	2004/2006	1991/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	11 (0/10/0/0/1†)	29 (10/0/0/19/0)
• No. of contracts that went live in 2006	4	2
No. of contracts not yet live/No. of these contracts signed in 2006	1/6	2/0
No. of sites operating AP system	11	33
Percentage of installations that have stand-alone AP systems	90%	2%
Staff to develop-install and support-other**		
In entire company	9-4-2	45,000 total
 In LIS division (including AP)/in AP systems only 	9-4-2/8-3-1	44-49-7/not available
No. of interactive terminals (user workstations) in sites operating system	1–80 (ave., 35)	2–50 (ave., 25)
Range in No. of surgical pathology cases per year in sites operating system	3,000–75,000	5,000–250,000
Range in No. of gynecologic cytology cases per year in sites operating syst.	3,000–75,000	1,000–75,000
Central hardware or service type	IBM, Dell, Compaq	IBM, HP, Sun–Unix platform
Terminals (workstations) or PC platform	IBM, Dell, Compaq	Windows 2000, NT, XP
Innovative peripherals	client-controlled, user-defined custom report builder, bar coding, others	voice input, image capture and retrieval, scanning, others
Network installation required?/networks supported	yes/—	yes/TCP/IP, Novell, LAN, WAN
Programming language(s)	Net	C, C++, Unify Vision
Databases and tools used	SQL	Unify DataServer database, Unify Development tool kit
Word processor(s) used	Word	Microsoft Word
Operating system(s)	Windows	Unix
Costuros (listad as a nargantage of live installe or based or such tith)		
Features (listed as a percentage of live installs or based on availability) Survival pathology information system	100%	100%
Surgical pathology information system Surgical pathology information system	100%	
Cytology information system/autopsy information system	100%/100%	100%/50%
 Specimen log-in/entry of block IDs 	100%/100%	100%/100%
Specimen labels	100%	100%
Histology slide labels/bar-coded slide labels	100%/100%	100%/100%
 Histology worksheets 	80%	75%
Word processing—vendor specific	100%	not available
 Word processing—standard tools (Word, WordPerfect) 	20%	100%
 Voice entry of gross description/back-end batch voice to text 	available in October 2007/available in October 2007	5%/available but not installed
Gross and microscopic images integrated in reports	100%	available but not installed
Electronic signature	100%	100%
Remote printing of completed reports	100%	100%
Direct fax reports	100%	75%
 Web-based remote inquiry of reports 	100%	10%
 Physician Web access for order entry 	50%	available but not installed
Natural language search capability	100%	not available
 Multi-site or multi-facility-wide area network 	60%	75%
 Sound-alike retrieval of patient history 	50%	not available
Autopsy measurements and organ weights	not available	50%
 Tumor registry reports/management reports 	available but not installed/100%	20%/100%
 Cytology abnormal—unsatisfactory list to doctors 	20%	60%
 Cytology diagnostics statistics by pathologist or cytotechnologist 	20%	60%
 Histology-cytology correlation report 	20%	100%
 Reports sufficient to comply with CLIA '88 regulations 	100%	100%
Comprehensive billing and accounts receivable	35%	90%
HIS interface: A/D/T	10%	100%
 HIS interface: result reporting/incoming clinical results 	20%/20%	100%/10%
 Interface to external billing system 	50%	80%
Partin tables or Gleason score calculations	65%	not available
Synoptic reporting	75%	30%
Specimen tracking and retrieval	100%	30%
Client services module Amount and according	100%	installed
Consult management and reporting	80%	100%
Software provides indexed field in each test definition for LOINC code?		yes
Provide LOINC dictionary for each new installation?	yes	-
Routine results encoded in SNOMED?	no	no
	-	no
Routine results encoded in SNOMED CT?	-	-
Routine results encoded in SNOMED C1? AP system uses autoencoder to create SNOMED codes?	no 	no yes (at 100% of sites)
	no yes	no yes (at 100% of sites) no
AP system uses autoencoder to create SNOMED codes?	no yes yes	no yes (at 100% of sites) no yes
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text	no 	no yes (at 100% of sites) no yes n/a
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically	no 	no yes (at 100% of sites) no yes n/a
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution?	no — yes yes none none (but HL7 format is available)	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service	noyes yes none none (but HL7 format is available) yes fixed fee	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required	noyes yes none none (but HL7 format is available) yes fixed fee browser based	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	noyes yes none none (but HL7 format is available) yes fixed fee	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	no	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	noyes yes none none (but HL7 format is available) yes fixed fee browser based	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced	noyes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	noyes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	noyes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	noyes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group?	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online)	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica no escrow/yes (meets in person and online)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	no yes yes none none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online)	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica no escrow/yes (meets in person and online)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no speechMagic Shur/Mark, Lam, Leica no speechMagic Shur/Mark, Lam, Leica no speechMagic \$50k/\$180k/\$225k/\$3.3k \$500k/\$750k/\$600k/\$62.5k \$975
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica no escrow/yes (meets in person and online) yes \$50k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$3.3k \$500k/\$180k/\$225k/\$5.55k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no speechMagic Shur/Mark, Lam, Leica no speechMagic Shur/Mark, Lam, Leica no speechMagic \$50k/\$180k/\$225k/\$3.3k \$500k/\$750k/\$600k/\$62.5k \$975
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k \$100k/\$152k/\$15k/\$7k	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no no no DX, McKesson, Siemens, Meditech, Per-Sé, Cerner, Eclipsys, Compucar Philips SpeechMagic Shur/Mark, Lam, Leica no escrow/yes (meets in person and online) yes \$50k/\$180k/\$225k/\$3.3k \$500k/\$750k/\$600k/\$62.5k \$975 0/\$35k/\$52k/\$5.25k 0/\$250k/\$125k/\$3.75k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	no	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	no yes yes none none (but HL7 format is available) yes fixed fee browser based operates over the Internet 1 by vendor Cortex, GE Medical, Misys, Meditech, Cerner none Beckman Coulter, BD, ChromaVision ACIS, Trestle, Aperio, others no escrow/yes (meets online) yes \$10k/\$120k/\$5k/\$1k \$10k/\$120k/\$5k/\$1k \$10k/\$120k/\$5k/\$1k * product branded for client • client-controlled, user-defined custom report builder, incl. images, etc.	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	no	no yes (at 100% of sites) no yes n/a 5 in Edifact format transmitted via FTP no

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 62

ENI

64 / CAP TODAY

Anatomic pathology computer systems

Part 5 of 12	Impac Medical Systems	Medical Information Technology (MEDITECH)
	Julie DeSantis jdesantis@impac.com	Paul Berthiaume info@meditech.com
	100 W. Evelyn Ave.	Meditech Circle
Concernmenting which an array 54	Mountain View, CA 94041 888-464-6722 www.impac.com	Westwood, MA 02090 781-821-3000 www.meditech.com
See accompanying article on page 54		
Name of anatomic pathology system	PowerPath (formerly Tamtron PowerPath)	Meditech Anatomical Pathology-client/server
First ever AP system installation/most recent AP system installation	1986/2006	1978/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	211 (160/33/14/4/0)	t
No. of contracts that went live in 2006	14	
No. of contracts not yet live/No. of these contracts signed in 2006 No. of contracts and a subtraction of these contracts signed in 2006	—/13 200	t 001
No. of sites operating AP system Percentage of installations that have stand-alone AP systems	366 100%	201 —t
Staff to develop-install and support-other**	10070	
• In entire company	90-131-212	555-1,523-316
In LIS division (including AP)/in AP systems only	17-37-19/12-20-12	t
No. of interactive terminals (user workstations) in sites operating system	52–400 (ave., 15–30)	5–100+ (ave., 5–10)
Range in No. of surgical pathology cases per year in sites operating system	1,500–150,000	
Range in No. of gynecologic cytology cases per year in sites operating syst.	5,000–350,000	t
Central hardware or service type	Windows 2000, 2003 servers	HP, IBM, Dell
Terminals (workstations) or PC platform Innovative peripherals	Windows 2000, 2003, XP modules for image management, dermatopathology, histology, others	only PC workstation supported voice input/output, image input/output
Network installation required?/networks supported	yes/TCP/IP	yes/LAN, WAN, Novell, TCP/IP
Programming language(s)	Borland Delphi	Magic
Databases and tools used	MS SQL	Magic, client/server
Word processor(s) used	MS Word	Microsoft Word, Rich Text
Operating system(s)	Windows	industry-standard solutions
Features (listed as a percentage of live installs or based on availability)		
Surgical pathology information system	100%	100%
 Cytology information system/autopsy information system 	100%/100%	100%/100%
Specimen log-in/entry of block IDs Specimen lobels	100%/100%	100%/100%
Specimen labels Histology slide labels/bar-coded slide labels	100% 100%/installed	100%
Histology slide labels/bar-coded slide labels Histology worksheets	100%/installed 100%	100%/100% 100%
Word processing—vendor specific	100%	100%
Word processing—standard tools (Word, WordPerfect)	100%	100%
 Voice entry of gross description/back-end batch voice to text 	installed/not available	100%/100%
Gross and microscopic images integrated in reports	25%	100%
Electronic signature Demote printing of exampleted respects	100%	100%
Remote printing of completed reports Direct for your other	100%	100%
 Direct fax reports Web-based remote inquiry of reports 	100% 15%	100% 100%
Physician Web access for order entry	not available	100%
Natural language search capability	100%	100%
Multi-site or multi-facility-wide area network	100%	100%
 Sound-alike retrieval of patient history 	100%	100%
Autopsy measurements and organ weights	100%	100%
Tumor registry reports/management reports Orto law abarenel - uncertification list to destant	100%/100%	100%/100%
Cytology abnormal—unsatisfactory list to doctors Cytology disgnaptics attriction by pathologist or autotochapterist	100% 100%	100% 100%
 Cytology diagnostics statistics by pathologist or cytotechnologist Histology-cytology correlation report 	100%	100%
 Reports sufficient to comply with CLIA '88 regulations 	100%	100%
Comprehensive billing and accounts receivable	100%	100%
HIS interface: A/D/T	98%	100%
HIS interface: result reporting/incoming clinical results Interface to optimal billing system	98%/available in 2007	100%/100%
Interface to external billing system Partin tables or Gleason score calculations	100% 100%	100% 100%
Synoptic reporting	installed	100%
Specimen tracking and retrieval	85%	100%
Client services module	100%	100%
 Consult management and reporting 	85%	100%
Software provides indexed field in each test definition for LOINC code?	по	no
Provide LOINC dictionary for each new installation?	no	no
Routine results encoded in SNOMED?	yes	yes (at 100% of sites)
Routine results encoded in SNOMED CT?	no	yes (at 100% of sites)
AP system uses autoencoder to create SNOMED codes?	no uundes dese set treek	no
Percentage of installed sites that represent cases in free text	vendor does not track	n/a
No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	17 in HL7 format	t
- and the state of		
Complete AP application service provider solution?	no	no
	_	-
Method of charging for ASP service		
Client software required	-	_
Client software required ASP information conduit		-
Client software required		_ _ _
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated		
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced	Eclipsys, Cerner, Misys, Siemens, McKesson, Meditech, SCC, others	Misys, McKesson, Siemens, others
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Dragon Naturally Speaking, Voicebrook	Nuance (ScanSoft) Dragon Naturally Speaking
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data	Nuance (ScanSoft) Dragon Naturally Speaking n/a
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Dragon Naturally Speaking, Voicebrook	Nuance (ScanSoft) Dragon Naturally Speaking
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group?	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data	Nuance (ScanSoft) Dragon Naturally Speaking n/a
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no	Nuance (ScanSoft) Dragon Naturally Speaking n/a no
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system, excluding AP configuration	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person)	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person) yes	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person) yes 	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	Dragon Naturally Speaking, Voicebrook Shur/Mark, Shandon, Leica, Sakura, Ventana, General Data no escrow/yes (meets in person) yes	Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 64

66 / CAP TODAY

Anatomic pathology computer systems

Part 6 of 12	Medical Information Technology (MEDITECH)	Netlims NJ LLC
	Paul Berthiaume info@meditech.com	Avi Allerhand avi@netlims.com
	Meditech Circle	96 Engle St.
	Westwood, MA 02090	Englewood, NJ 07631
See accompanying article on page 54	781-821-3000 www.meditech.com	201-894-5300 www.netlims.com
Name of anatomic pathology system	Meditech Anatomical Pathology–Magic	AutoAP
First ever AP system installation/most recent AP system installation	1978/2006	2000/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)* • No. of contracts that went live in 2006		9 (0/2/0/7/0) 1
No. of contracts not yet live/No. of these contracts signed in 2006		1/1
No. of sites operating AP system	624	12
Percentage of installations that have stand-alone AP systems	t	0
Staff to develop-install and support-other**		
In entire company	555-1,523-316	52-31-18
 In LIS division (including AP)/in AP systems only 	t	—/8-6-0
No. of interactive terminals (user workstations) in sites operating system	5-100+ (ave., 5-10)	10–60 (ave., 30)
Range in No. of surgical pathology cases per year in sites operating system		1,200–40,000
Range in No. of gynecologic cytology cases per year in sites operating syst.	t	2,000–15,000
Central hardware or service type	HP, IBM, Dell	IBM, HP, Dell
Terminals (workstations) or PC platform Innovative peripherals	only PC workstation supported voice input/output, image input/output	Windows-compatible PCs scanners, voice enabled, microscope cameras
Network installation required?/networks supported	yes/LAN, WAN, Novell, TCP/IP	ves/ LAN, WAN, TCP/IP, Unix, Linux
Programming language(s)	Magic	C++, Java, Visual Basic, ASP, .Net
Databases and tools used	Magic, client/server	MS SQL, Oracle, Caché
Word processor(s) used	Microsoft Word, Rich Text	MS Word
Operating system(s)	Magic	Windows, Linux, Unix
Features (listed as a percentage of live installe or based on sucilability)		
Features (listed as a percentage of live installs or based on availability) Surgical pathology information system 	100%	100%
Cytology information system/autopsy information system	100%/100%	100%/100%
Specimen log-in/entry of block IDs	100%/100%	100%/100%
Specimen labels	100%	100%
Histology slide labels/bar-coded slide labels	100%/100%	installed/installed
Histology worksheets	100%	100%
Word processing—vendor specific	100%	not available
Word processing—standard tools (Word, WordPerfect)	100%	100%
Voice entry of gross description/back-end batch voice to text	100%/100%	installed/installed
Gross and microscopic images integrated in reports Electronic signature	100%	100%
Electronic signature Remote printing of completed reports	100% 100%	100% 100%
Kennote printing of completed reports Direct fax reports	100%	100%
Web-based remote inquiry of reports	100%	100%
Physician Web access for order entry	100%	100%
Natural language search capability	100%	available but not installed
 Multi-site or multi-facility-wide area network 	100%	10%
 Sound-alike retrieval of patient history 	100%	100%
 Autopsy measurements and organ weights 	100%	100%
Tumor registry reports/management reports	100%/100%	100%/100%
Cytology abnormal—unsatisfactory list to doctors Ottology discovering attribute burnetic legist or exterior burnetics	100%	100%
Cytology diagnostics statistics by pathologist or cytotechnologist Histology-cytology correlation report	100% 100%	installed installed
 Reports sufficient to comply with CLIA '88 regulations 	100%	100%
Comprehensive billing and accounts receivable	100%	90%
• HIS interface: A/D/T	100%	80%
 HIS interface: result reporting/incoming clinical results 	100%/100%	80%/installed
 Interface to external billing system 	100%	10%
Partin tables or Gleason score calculations	100%	not available
Synoptic reporting	100%	available but not installed
Specimen tracking and retrieval Givent approaching	100%	80%
Client services module Consult management and reporting	100% 100%	100% 100%
	,	
Software provides indexed field in each test definition for LOINC code?	no	yes
Provide LOINC dictionary for each new installation?	no	no
Routine results encoded in SNOMED?	yes (at 100% of sites)	yes (at 70% of sites)
Routine results encoded in SNOMED CT?	yes (at 100% of sites)	yes (at 20% of sites)
AP system uses autoencoder to create SNOMED codes?	no	no
Percentage of installed sites that represent cases in free text	n/a	10%
No. of installations that use AP system to automatically electronically		6 in HL7 format
transfer tumor diagnoses to a tumor registry		o m filf ivinial
	no	no
Complete AP application service provider solution?		
Method of charging for ASP service	_	
Method of charging for ASP service Client software required		-
Method of charging for ASP service Client software required ASP information conduit	- - -	
Method of charging for ASP service Client software required		_ _ _ _
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated		
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced	Misys, McKesson, Siemens, others	Siemens, IDX, Eagle, Cerner, SCC, Misys, Xifin
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking	Dragon Naturally Speaking
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a	Dragon Naturally Speaking none
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking	Dragon Naturally Speaking
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group?	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a	Dragon Naturally Speaking none
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no	Dragon Naturally Speaking none yes (in any language)
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no yes
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no yes
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k \$150k/\$400k/\$90k/\$6k —
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person)	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k \$150k/\$400k/\$90k/\$6k
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes 	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k \$150k/\$400k/\$90k/\$6k
Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	Misys, McKesson, Siemens, others Nuance (ScanSoft) Dragon Naturally Speaking n/a no yes/yes (meets in person) yes	Dragon Naturally Speaking none yes (in any language) escrow/no yes \$30k/\$120k/\$30k/\$2.25k \$150k/\$400k/\$90k/\$6k

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 66

68 / CAP TODAY

Anatomic pathology computer systems

D. 17 (10	NatCaff	Novovicion
Part 7 of 12	NetSoft Bill Hughes bhughes@netsoftusa.com	Novovision Hina Kharbey sales@novovision.com
	2156 West Park Court, Ste. E	301 N. Harrison St., Ste. 384
	Stone Mountain, GA 30087	Princeton, NJ 08540
See accompanying article on page 54	866-463-8763 www.netsoftusa.com	877-668-6123 www.novovision.com
Name of anatomic pathology system	IntelliPath	NovoPath
Name of anatomic patiology system		NOVOFALI
First ever AP system installation/most recent AP system installation	2001/2007	1999/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	43 (6/29/7/1/0)	70 (6/45/19/0/0)
No. of contracts that went live in 2006	9	—
No. of contracts not yet live/No. of these contracts signed in 2006 No. of sites operating AP system	3/3 55	—/11 110
Percentage of installations that have stand-alone AP systems	100%	100%
Staff to develop-install and support-other**		
In entire company	5-5-2	8-8-3
 In LIS division (including AP)/in AP systems only 	—/5-5-2	—
No. of interactive terminals (user workstations) in sites operating system	1–40 (ave., 12)	3–400 (ave., 25)
Range in No. of surgical pathology cases per year in sites operating system	1,200–220,000	3,500–275,000
Range in No. of gynecologic cytology cases per year in sites operating syst.	12,000–60,000	1,500–750,000
Central hardware or service type	any Windows 2000, 2003, Citrix-based server	Windows 2003 servers (HP, IBM, Dell)
Terminals (workstations) or PC platform	Windows 2000, XP workstations, Citrix terminals	Windows XP Pro (HP, IBM, Dell)
Innovative peripherals	auto fax, digital cameras/scanners for imaging, bar-code printing, others	high-volume document scanners, dial-in voice recording
Network installation required?/networks supported	no (but supports LAN, WAN, TCP/IP, Citrix)	yes/LAN, WAN, TCP/IP
Programming language(s) Databases and tools used	Clarion, C++, .Net Pervasive SQL	Microsoft tools MS SQL servers, Oracle
Word processor(s) used	integrated	MS SQL servers, oracle MS Word, lab preference
Operating system(s)	Windows 2000, XP Pro	Windows XP Pro
Features (listed as a percentage of live installs or based on availability)	100%	100%
 Surgical pathology information system Cytology information system/autopsy information system 	100% 25%/12%	100% 100%/100%
Specimen log-in/entry of block IDs	100%/100%	100%/100%
Specimen labels	100%	100%
Histology slide labels/bar-coded slide labels	100%/35%	100%/100%
Histology worksheets Word processing—vendor specific	90% 100%	100% not available
Word processing—vendor specific Word processing—standard tools (Word, WordPerfect)	100% not available	not available 100%
Voice entry of gross description/back-end batch voice to text	5%/O	100%/100%
 Gross and microscopic images integrated in reports 	20%	100%
Electronic signature	100%	100%
Remote printing of completed reports Direct fax reports	20% 95%	100% 100%
Web-based remote inquiry of reports	25%	60%
Physician Web access for order entry	available first quarter 2007	20%
Natural language search capability	100%	100%
Multi-site or multi-facility-wide area network	20%	25%
 Sound-alike retrieval of patient history Autopsy measurements and organ weights 	installed 12%	100% 100%
 Autopsy measurements and organ weights Tumor registry reports/management reports 	12%	100%/100%
Cytology abnormal—unsatisfactory list to doctors	25%	100%
Cytology diagnostics statistics by pathologist or cytotechnologist	25%	100%
 Histology-cytology correlation report 	25%	100%
Reports sufficient to comply with CLIA '88 regulations	100%	100%
Comprehensive billing and accounts receivable HIS interface: A/D/T	45% 15%	10% 30%
HIS interface: result reporting/incoming clinical results	15%/10%	30%/30%
 Interface to external billing system 	30%	100%
Partin tables or Gleason score calculations Superting	installed	30% 30%
Synoptic reporting Specimen tracking and retrieval	5% 100%	30% 100%
Client services module	28%	100%
Consult management and reporting	28%	100%
Consult management and reporting		
Consult management and reporting Software provides indexed field in each test definition for LOINC code?	no	100% no no
Consult management and reporting		no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED?	no no	no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT?	no no no	no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes?	no no no no	no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT?	no no no	no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically	no no no no	no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text	no no no no 85%	no no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically	no no no no 85%	no no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	no no no no 85% 2 in NAACCR format/9 in HL7 format	no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	no no no no no S5% 2 in NAACCR format/9 in HL7 format no Cerner, Medical Manager, Misys, IDX, Meditech, others Dragon Naturally Speaking	no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	no no no no no s5% 2 in NAACCR format/9 in HL7 format no no	no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	no no no no no S5% 2 in NAACCR format/9 in HL7 format no Cerner, Medical Manager, Misys, IDX, Meditech, others Dragon Naturally Speaking	no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	no no no no no s5% 2 in NAACCR format/9 in HL7 format no no	no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	no no no no no s5% 2 in NAACCR format/9 in HL7 format no no no no comparison no no no no no no no no comparison comparison comparison comparison comparison comparison comparison no no no no no comparison no no no no n	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no no no no no 85% 2 in NAACCR format/9 in HL7 format no mo mo mo common common <	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	n0 n0 n0 n0 n0 n0 n0 85% 2 in NAACCR format/9 in HL7 format 10	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no no no no no no s85% 2 in NAACCR format/9 in HL7 format no	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	n0 n0 n0 n0 n0 n0 n0 85% 2 in NAACCR format/9 in HL7 format 10	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Largest stand-alone system Base price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration	no no no no no no s85% 2 in NAACCR format/9 in HL7 format no	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Base price of integrated system, excluding AP configuration	no no no no no no s85% 2 in NAACCR format/9 in HL7 format no	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Base price of integrated system, excluding AP configuration I incremental cost to add smallest AP configuration	n0 n0 n0 n0 n0 85% 2 in NAACCR format/9 in HL7 format 10 n0	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no yes
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Base price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	no no no no no no s85% 2 in NAACCR format/9 in HL7 format no	no no no no no no no 2 in NAACCR format/3 in HL7 format/10 in ASCII tagged files yes fixed fee browser based, requires software be installed on a client PC operates over the Internet 0 by vendor McKesson, Invision, Eclipsys, CPSI, others Dragon Naturally Speaking Ventana VIAS auto stainer no escrow/no
 Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Base price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration Incremental cost to add largest AP configuration Incremental cost to add largest AP configuration Incremental cost to add largest AP configuration 	n0 n0 n0 n0 n0 n0 n0 85% 2 in NAACCR format/9 in HL7 format 10 escrow/yes (meets in person) no	no
Consult management and reporting Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation? Routine results encoded in SNOMED? Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Base price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	no no no no S5% 2 in NAACCR format/9 in HL7 format no	no

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 68

70 / CAP TODAY

Anatomic pathology computer systems

Part 8 of 12	Omnitech	Opus Healthcare Solutions
	John Fitzgibbon jfitz@omnitechlabs.net	Shelli Allen sallen@opushealthcare.com
	9 Lilly Court	12301 Research Blvd., Bldg. IV, Ste. 200
	Manorville, NY 11949 877-336-6664 www.omnitechlabs.net	Austin, TX 78759 800-676-3371 www.opushealthcare.com
See accompanying article on page 54	orr-sso-ooo4 www.onninecinabs.net	
Name of anatomic pathology system	OmniLab Pathology and Cytology	Opus AP
First ever AP system installation/most recent AP system installation	1998/2006	1987/2005
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	15 (0/0/1/14/0)	4 (4/0/0/0/0)
No. of contracts that went live in 2006	2	0
No. of contracts not yet live/No. of these contracts signed in 2006	4/4	0/0
No. of sites operating AP system Percentage of installations that have stand-alone AP systems	11 6%	4
Staff to develop-install and support-other**	078	0
• In entire company	30-16-10	20-35-25
 In LIS division (including AP)/in AP systems only 	28-14-10/3-2-0	7-15-20/3-9-20
No. of interactive terminals (user workstations) in sites operating system	4-300 (ave., 50)	5–30 (ave., 19)
Range in No. of surgical pathology cases per year in sites operating system	7,500–30,000	7,058–10,253
Range in No. of gynecologic cytology cases per year in sites operating syst.	5,000–25,000	0–4,949
Central hardware or service type	Dell, IBM, HP	HP 9000, RP 5340
Terminals (workstations) or PC platform	Windows PC, thin client, Web browser	any
Innovative peripherals	bar coding, voice input, image capture/storage and reproduction	n/a
Network installation required?/networks supported	yes/LAN, WAN, TCP/IP	yes/LAN, WAN, TCP/IP, Unix
Programming language(s)	Visual Basic, VB .Net	C, Java
Databases and tools used Word processor(s) used	MS SQL server MS Word	Postgres, SQL proprietary, Java-based text editor
Operating system(s)	Windows 2003, 2005	HP-UX
Features (listed as a percentage of live installs or based on availability)	909/	100%
 Surgical pathology information system Cytology information system/autopsy information system 	80% 60%/80%	100% 100%/60%
Specimen log-in/entry of block IDs	100%/100%	100%/30%
Specimen labels	100%	available but not installed
Histology slide labels/bar-coded slide labels	100%/100%	30%/not available
Histology worksheets Word processing	installed	30%
Word processing—vendor specific Word processing—standard tools (Word, WordPerfect)	not available 100% (Word)	100% not available
 Voice entry of gross description/back-end batch voice to text 	available but not installed/available but not installed	not available/not available
 Gross and microscopic images integrated in reports 	33%	_
Electronic signature	100%	100%
Remote printing of completed reports	100%	100% 100%
Direct fax reports Web-based remote inquiry of reports	80% 80%	30%
Physician Web access for order entry	13%	not available
Natural language search capability	100%	not available
Multi-site or multi-facility-wide area network	13%	available but not installed
 Sound-alike retrieval of patient history Autopsy measurements and organ weights 	installed	not available available but not installed
Autopsy measurements and organ weights Tumor registry reports/management reports	80% available but not installed/100%	60%/100%
Cytology abnormal—unsatisfactory list to doctors	100%	30%
 Cytology diagnostics statistics by pathologist or cytotechnologist 	100%	30%
Histology-cytology correlation report	available but not installed	30%
Reports sufficient to comply with CLIA '88 regulations	100%	30%
Comprehensive billing and accounts receivable HIS interface: A/D/T	13% 80%	not available 100%
HIS interface: result reporting/incoming clinical results	40%/available but not installed	100%/100%
 Interface to external billing system 	60%	30%
Partin tables or Gleason score calculations	available but not installed	not available
Synoptic reporting Specimen tracking and retrieval	available but not installed 100%	available but not installed not available
Client services module	available but not installed	not available
Consult management and reporting	100%	50%
Software provides indexed field in each test definition for LOINC code?	yes	no
Provide LOINC dictionary for each new installation?	no	_
Routine results encoded in SNOMED?		
Routine results encoded in SNOMED CT?	yes (at 80% of sites)	no
	yes (at 80% of sites) no	no no
AP system uses autoencoder to create SNOMED codes?	no yes	no no
	no	no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe	no yes 13%	no no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry	no yes 13%	no no 100%
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution?	no yes 13% r O yes	no no 100% 1 in tab delimited format yes
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service	no yes 13% r O yes transaction based	no no 100% 1 in tab delimited format yes fixed monthly subscription
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution?	no yes 13% r O yes	no no 100% 1 in tab delimited format yes
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	no yes 13% r 0 yes transaction based browser based operates over the Internet 40	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	no yes 13% r O yes transaction based browser based operates over the Internet	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec)	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	no yes 13% r 0 yes transaction based browser based operates over the Internet 40	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none no no escrow/yes (meets in person and online)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon yes (French, German, Spanish [unlimited]) escrow/yes (meets in person) yes	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online) yes
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon yes (French, German, Spanish [unlimited]) escrow/yes (meets in person) yes \$10k/\$50k/\$25k/\$.75k \$100k+/\$1m/\$100k/\$15k \$350k	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online) yes \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon yes (French, German, Spanish [unlimited]) escrow/yes (meets in person) yes \$10k/\$50k/\$25k/\$.75k \$100k+/\$1m/\$100k/\$15k \$350k \$5k/\$50k/\$10k/\$.75k	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online) yes \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$100k-\$300k \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon yes (French, German, Spanish [unlimited]) escrow/yes (meets in person) yes \$10k/\$50k/\$25k/\$.75k \$100k+/\$1m/\$100k/\$15k \$350k	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online) yes \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none no escrow/yes (meets in person and online) yes \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$100k-\$300k \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none none no \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	no yes 13% r 0 yes transaction based browser based operates over the Internet 40 by a third party (Province of Quebec) McKesson, MediSolution, Momentum, Per-Sé, Sphere, Mardon, A4 Dragon 	no no 100% 1 in tab delimited format yes fixed monthly subscription requires software be installed on a client PC VPN, requires use of a private, dedicated circuit 5 by a third party (UHS Corporate) Siemens, Invision, McKesson, Cycare, Medquist, Hemocare, Quest, ADL none none none no \$15k-\$20k/\$40k/\$20k-\$30k/\$1k-\$2k \$20k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$300k \$15k-\$20k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k \$10k-\$30k/\$40k/\$20k-\$50k/\$2k-\$4k • full integration with OpusLab to include ADT, billing results review, HIS

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 70

74 / CAP TODAY

Anatomic pathology computer systems

Part 9 of 12	Orchard Software Corp.	PathLogix Corp.
	Kerry Foster sales@orchardsoft.com	Jerry Grayson jerry@pathlogix.com
	701 Congressional Blvd., Ste. 360	470 Nautilus St., Ste. 306
	Carmel, IN 46032 800-856-1948 www.orchardsoft.com	La Jolla, CA 92037 858-454-8030 www.pathlogix.com
See accompanying article on page 54		636-434-6030 www.pathogix.com
Name of anatomic pathology system	Orchard Harvest Anatomic Pathology	PathLogix
First ever AP system installation/most recent AP system installation	2006/2007	1998/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	7 (3/3/1/0/0)	83 (5/78/0/0/0)
No. of contracts that went live in 2006	7`	11
 No. of contracts not yet live/No. of these contracts signed in 2006 	5/5	—/11
No. of sites operating AP system	12	83
Percentage of installations that have stand-alone AP systems Staff to develop-install and support-other**	0	75%
 In entire company 	28-55-39	_
 In LIS division (including AP)/in AP systems only 	28-55-39/28-55-39	-
No. of interactive terminals (user workstations) in sites operating system	4–5 (ave., 4)	1–40 (ave., 5)
Range in No. of surgical pathology cases per year in sites operating system	vendor does not track	1,000–100,000+
Range in No. of gynecologic cytology cases per year in sites operating syst.	vendor does not track	1,000–12,000
Central hardware or service type	Hewlett-Packard	any Windows computer
Terminals (workstations) or PC platform	Hewlett-Packard	standard terminals
Innovative peripherals	symbol bar-code scanners, L-tron label printers (ZPL language supported)	image management, voice recognition, bar coding, label printing
Network installation required?/networks supported	yes/LAN, WAN, Novell, TCP/IP	no
Programming language(s)	4th Dimension, Java	MS SQL, Visual Basic, C++
Databases and tools used Word processor(s) used	4th Dimension, SQL none	MS SQL server, MS Access Microsoft Word
Operating system(s)	Microsoft Windows	all Windows operating systems
Features (listed as a percentage of live installs or based on availability)	installed	1000/
 Surgical pathology information system Cytology information system/autopsy information system 	installed installed/installed	100% 100%/—
Specimen log-in/entry of block IDs	installed/installed	100%/—
Specimen labels	installed	100%
Histology slide labels/bar-coded slide labels	installed/installed	100%/100%
Histology worksheets	installed	100%
Word processing—vendor specific Word processing—standard tools (Word, WordPerfect)	installed installed	not available 100%
 Word processing—standard tools (word, word Perfect) Voice entry of gross description/back-end batch voice to text 	installed/not available	100% 100%/not available
Gross and microscopic images integrated in reports	installed	100%
Electronic signature	installed	100%
Remote printing of completed reports	installed	100%
Direct fax reports Web based remote inquiry of reports	installed	100%
Web-based remote inquiry of reports Physician Web access for order entry	installed installed	20% 20%
Natural language search capability	available but not installed	100%
 Multi-site or multi-facility-wide area network 	installed	15%
 Sound-alike retrieval of patient history 	not available	not available
Autopsy measurements and organ weights	installed	
 Tumor registry reports/management reports Cytology abnormal—unsatisfactory list to doctors 	installed/installed installed	100%/100% 100%
 Cytology diagnostics statistics by pathologist or cytotechnologist 	installed	100%
 Histology-cytology correlation report 	installed	100%
 Reports sufficient to comply with CLIA '88 regulations 	installed	installed
Comprehensive billing and accounts receivable	not available	installed
HIS interface: A/D/T HIS interface: result reporting/incoming clinical results	installed installed/installed	10% 10%/installed
 Interface to external billing system 	installed	100%
Partin tables or Gleason score calculations	not available	
Synoptic reporting	installed	_
Specimen tracking and retrieval	installed	100%
Client services module Consult management and reporting	installed installed	100% 100%
	แรนขายน	100 /0
Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation?	yes no	no no
-		
Routine results encoded in SNOMED?	no	-
Routine results encoded in SNOMED CT?	yes	_
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text	no 	_
· ·		
No. of installations that use AP system to automatically electronically transfe tumor diagnoses to a tumor registry	r venuor does not track	_
Complete AP application service provider solution?	no	yes
		transaction based
Nethod of charging for ASP service		
Method of charging for ASP service Client software required	_	requires software be installed on a client PC
Client software required ASP information conduit		requires software be installed on a client PC operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client		operates over the Internet
Client software required ASP information conduit		•
Client software required ASP information conduit Client contracts supported from data center not operated by client		operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system		operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none	operates over the Internet — by a third party (selected by customer) — any system compatible with Microsoft Office —
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking	operates over the Internet — by a third party (selected by customer) —
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English?	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no	operates over the Internet — by a third party (selected by customer) — any system compatible with Microsoft Office —
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none	operates over the Internet — by a third party (selected by customer) — any system compatible with Microsoft Office —
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online)	operates over the Internet by a third party (selected by customer) any system compatible with Microsoft Office no
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes	operates over the Internet by a third party (selected by customer) any system compatible with Microsoft Office no yes
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10%	operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes	operates over the Internet by a third party (selected by customer) any system compatible with Microsoft Office no yes
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10% \$25k/\$100k/\$42k/10%	operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10% \$25k/\$100k/\$42k/10% \$79k	operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10% \$25k/\$10k/\$42k/10% \$79k \$3k/\$30k/\$13k/10% \$25k/\$85k/\$42k/10%	operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10% \$25k/\$10k/\$42k/10% \$79k \$3k/\$30k/\$13k/10%	operates over the Internet
Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system • Largest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	McKesson, Misys, IDX, Siemens, Cerner, Dairyland, QuadraMed, others Dragon Naturally Speaking none no escrow/yes (meets in person and online) yes \$8k/\$50k/\$28k/10% \$25k/\$100k/\$42k/10% \$79k \$3k/\$30k/\$13k/10% \$25k/\$85k/\$42k/10% • advanced rules-based decision support logic	operates over the Internet

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 74

 $-\phi$

76 / CAP TODAY

Anatomic pathology computer systems

Dout 10 of 10	PathView System Ltd.	Psyche Systems Corp.
Part 10 of 12	Mike Mihalik mike@pathview.com	James Gearheart info@psychesystems.com
	5923 E. FM 455	321 Fortune Blvd.
	Anna, TX 75409	Milford, MA 01757
See accompanying article on page 54	888-455-4854 www.pathview.com	800-345-1514 www.windopath.com
Name of anatomic pathology system	Programu	WindoPath
	Progeny	Windoraui
First ever AP system installation/most recent AP system installation	1990/2006	1986/2006
No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	1 (0/0/1/0/0)	129 (45/35/5/44/0)
 No. of contracts that went live in 2006 	1	5
 No. of contracts not yet live/No. of these contracts signed in 2006 	0/0	4/4
No. of sites operating AP system	1	157
Percentage of installations that have stand-alone AP systems	100%	92%
Staff to develop-install and support-other** In entire company	2-1-1	12-18-6
 In LIS division (including AP)/in AP systems only 	2-1-0/2-1-0	12-18-6/6-10-4
No. of interactive terminals (user workstations) in sites operating system	30	1–60 (ave., 7)
Range in No. of surgical pathology cases per year in sites operating system	36,000	1,000–75,000
Range in No. of gynecologic cytology cases per year in sites operating syst.	46,000	0–235,000+
Central hardware or service type	Dell/Intel platform	Compag or oquivelent Prelient ML 270 or equivelent
Jentral naroware or service type Ferminals (workstations) or PC platform	Dell/Intel platform Dell/Intel platform	Compaq or equivalent, Proliant ML 370 or equivalent Compaq or equivalent, Compaq MicroTower PC or equivalent
nnovative peripherals	bar-code cassettes/slides, bar-code input, IE browser inquiry, others	patented interactive voice technology, integrated imaging, others
letwork installation required?/networks supported	yes/LAN, TCP/IP, Citrix, Windows server	yes/LAN, WAN, TCP/IP, Windows networking
Programming language(s)	InterSystems Caché, ObjectScript, Visual Basic	Visual Basic, VB .Net, Small Talk
Databases and tools used	InterSystems Caché	MS SQL server 7.0, 2000, BrioQuery report writing, Rightfax
Vord processor(s) used	Microsoft Office Word 2003	integrated
perating system(s)	Windows 2000, XP, Windows server 2003	Windows NT, 95, 98, 2000, XP
eatures (listed as a percentage of live installs or based on availability) Surgical pathology information system	100%	100%
• Surgical pathology information system • Cytology information system/autopsy information system	100%	85%/100%
Specimen log-in/entry of block IDs	100%/100%	100%/100%
Specimen labels	100%	100%
Histology slide labels/bar-coded slide labels	100%/100%	100%/100%
Histology worksheets	100%	100%
Word processing—vendor specific	not available	100%
Word processing—standard tools (Word, WordPerfect)	100%	installed
Voice entry of gross description/back-end batch voice to text	available but not installed/available but not installed	25%/5%
Gross and microscopic images integrated in reports	100%	100%
Electronic signature	100%	100%
Remote printing of completed reports	100%	100%
Direct fax reports	100%	100%
Web-based remote inquiry of reports	100%	35%
Physician Web access for order entry	available but not installed	5%
Natural language search capability	100%	100%
Multi-site or multi-facility-wide area network	100%	30%
Sound-alike retrieval of patient history	not available	100%
Autopsy measurements and organ weights	100%	100%
Tumor registry reports/management reports	100%/100%	100%/100%
Cytology abnormal—unsatisfactory list to doctors	100%	85%
Cytology diagnostics statistics by pathologist or cytotechnologist	100%	85%
Histology-cytology correlation report	100%	85%
Reports sufficient to comply with CLIA '88 regulations	100%	100% not available
Comprehensive billing and accounts receivable HIS interface: A/D/T	not available	not available
HIS Interface: A/D/I HIS interface: result reporting/incoming clinical results	100% 100%/100%	70% 70%/5%
Interface to external billing system	100%	10%
Partin tables or Gleason score calculations	available but not installed	available but not installed
Synoptic reporting	available but not installed	installed
Specimen tracking and retrieval	100%	available but not installed
Client services module	100%	installed
Consult management and reporting	100%	100%
oftware provides indexed field in each test definition for LOINC code?	no	yes
rovide LOINC dictionary for each new installation?	yes	no
outine results encoded in SNOMED?	no	yes
	no	yes (at 8% of sites)
outine results encoded in SNOMED CT?		
	no	yes (at 0 % of sites) yes
P system uses autoencoder to create SNOMED codes?		
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text	no 100%	yes 92%
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer	no 100%	yes
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text o. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	no 100%	yes 92% 3 in NAACCR format/3 using state-specific guidelines
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry omplete AP application service provider solution?	no 100% 1 in NAACCR, HL7, and proprietary formats	yes 92%
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service	no 100% 1 in NAACCR, HL7, and proprietary formats	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Nethod of charging for ASP service lient software required SP information conduit	no 100% 1 in NAACCR, HL7, and proprietary formats	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text o. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry omplete AP application service provider solution? lethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client	no 100% 1 in NAACCR, HL7, and proprietary formats	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based
P system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ISP information conduit Client contracts supported from data center not operated by client	no 100% 1 in NAACCR, HL7, and proprietary formats	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Alethod of charging for ASP service Client software required SSP information conduit Client contracts supported from data center not operated by client dow data center is operated	no 100% 1 in NAACCR, HL7, and proprietary formats no	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text to. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Nethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client low data center is operated ther information systems interfaced	no 100% 1 in NAACCR, HL7, and proprietary formats no — — — — — — Epic, proprietary, client-developed LIS	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text o. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry omplete AP application service provider solution? lethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client ow data center is operated ther information systems interfaced oice-recognition packages integrated with AP system	no 100% 1 in NAACCR, HL7, and proprietary formats no	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor
AP system uses autoencoder to create SNOMED codes? tercentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Method of charging for ASP service client software required SP information conduit Client contracts supported from data center not operated by client low data center is operated ther information systems interfaced loice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced	no 100% 1 in NAACCR, HL7, and proprietary formats no — — — — — — Epic, proprietary, client-developed LIS	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Method of charging for ASP service client software required SP information conduit Client contracts supported from data center not operated by client low data center is operated Wher information systems interfaced Noice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced listology and cytology laboratory in	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Alethod of charging for ASP service Client software required USP information conduit Client contracts supported from data center not operated by client low data center is operated Wher information systems interfaced loice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced liser interface in language other than English? Gource code?/user group?	no 100% 1 in NAACCR, HL7, and proprietary formats no — — — — — Epic, proprietary, client-developed LIS Dragon Naturally Speaking, other products integrated with Microsoft Word Thermo Shandon cassette labelers, Lanier dictation system	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV
Complete AP application service provider solution? Method of charging for ASP service Client software required SP information conduit Sient contracts supported from data center not operated by client dow data center is operated Dether information systems interfaced /oice-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens?	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online)
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Wher information systems interfaced Noice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Iser interface in language other than English? Source code?/user group? Iser can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes
AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client Now data center is operated Wher information systems interfaced Noice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced liser interface in language other than English? Source code?/user group? Jser can modify screens?	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online)
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text to. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? lethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client low data center is operated ther information systems interfaced oice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced ser interface in language other than English? ource code?/user group? lser can modify screens? tost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$1k
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text o. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry omplete AP application service provider solution? lethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client ow data center is operated ther information systems interfaced oice-recognition packages integrated with AP system istology and cytology laboratory instruments interfaced ser interface in language other than English? ource code?/user group? ser can modify screens? ost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system ase price of integrated system, excluding AP configuration	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$1k
P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text o. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry omplete AP application service provider solution? lethod of charging for ASP service lient software required SP information conduit lient contracts supported from data center not operated by client ow data center is operated ther information systems interfaced oice-recognition packages integrated with AP system istology and cytology laboratory instruments interfaced ser interface in language other than English? ource code?/user group? ser can modify screens? ost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Largest stand-alone system ase price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration	no 100% 1 in NAACCR, HL7, and proprietary formats no 	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$1k
P system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Method of charging for ASP service Client software required SP information conduit Client contracts supported from data center not operated by client low data center is operated Wher information systems interfaced Note-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced listology and cytology laboratory instruments interfaced listology and cytology laboratory instruments interfaced listology and cytology servers? Sost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Largest stand-alone system Largest stand-alone system Largest stand-alone system Largest action add smallest AP configuration Incremental cost to add largest AP configuration	no 100% 1 in NAACCR, HL7, and proprietary formats no no Epic, proprietary, client-developed LIS Dragon Naturally Speaking, other products integrated with Microsoft Word Thermo Shandon cassette labelers, Lanier dictation system no escrow/yes (meets in person) yes	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$11k \$50k/\$272k/\$30k/\$8.1k —
P system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Nethod of charging for ASP service Client software required SP information conduit Client contracts supported from data center not operated by client low data center is operated Wither information systems interfaced Voice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced listor code?/user group? Ser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system	no 100% 1 in NAACCR, HL7, and proprietary formats no <	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$1k \$50k/\$272k/\$30k/\$8.1k
P system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry complete AP application service provider solution? Method of charging for ASP service Client software required SP information conduit Client contracts supported from data center not operated by client low data center is operated Wher information systems interfaced Note-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced listology and cytology laboratory instruments interfaced listology and cytology laboratory instruments interfaced listology and cytology servers? Sost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system Largest stand-alone system Largest stand-alone system Largest stand-alone system Largest action add smallest AP configuration Incremental cost to add largest AP configuration	no 100% 1 in NAACCR, HL7, and proprietary formats no no Epic, proprietary, client-developed LIS Dragon Naturally Speaking, other products integrated with Microsoft Word Thermo Shandon cassette labelers, Lanier dictation system no escrow/yes (meets in person) yes	yes 92% 3 in NAACCR format/3 using state-specific guidelines yes fixed fee browser based operates over the Internet 9 by vendor Psyche Systems, Siemens, McKesson, Meditech, Misys, others Dragon Naturally Speaking CAS analyzer, Ventana Benchmark, Digene HPV yes (any language) escrow/yes (meets in person and online) yes \$5k/\$23k/\$12k/\$1k \$50k/\$272k/\$30k/\$8.1k —

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 76

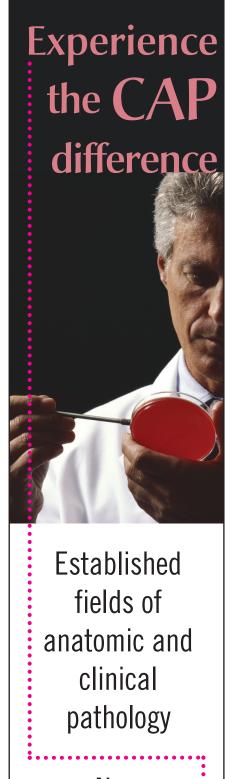
78 / CAP TODAY

Anatomic pathology computer systems

Part Int of 22 NCX bit Dampier Bart And	Part 11 of 12		
Bit Name Bit Name Set Name	Dart 11 of 12		
Burgersbace Bornersbace Bornersbace Bornersbace 	r ait i i VI 12		
Accord ac		•	
See a source integration makes in the section of t			
Sol A shorehold in space of a second of a			
 And a constrained and a constrained	See accompanying article on page 54	121-189-0100 www.soncomputer.com	000-04/-2203/003-093-9090 www.apeasy.com
 Tarton of Decision for an order of Protein isolation of Pro	Name of anatomic pathology system	SoftPath	AP Easy
B.A. of solution by the solution of the problem 5000CH (1957/1010)CH (1957/1010)CH (1957/1010)B. of solution by the solution state solution is a solution of the			
 a) decide base weight we			
	No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	142 (116/10/3/13/0)	234 (49/156/23/6/0)
La disk prime217214La disk prime2472La disk prime2472 <tr< td=""><td></td><td>13</td><td></td></tr<>		13	
Proceeding of includion for the description of the des			
Bit Is determined is the strate or point is the str			
 a bit is divide information of the trade sporting part is a long of the trade sport of the trad	•	2%	100%
In LS derivative model inclusion (backet parked p			
b. d. bints of a processing i per section of a processing sequence and a processing i per section of a processi per section of a processing i per section of a processing			
Internet in the origination of the state		407-212-132/113-34-43	<i>L</i> -0-1/ <i>L</i> -0-1
InstameInstameInstame2-12.002.004 - 2004 - 3000Instame </td <td>(, , , , , , , , , , , , , , , , , , ,</td> <td></td> <td></td>	(, , , , , , , , , , , , , , , , , , ,		
Automatical and a service by a service			
Terminate, local satisfy ar P platformPD, SM, Vindows 200, XPManual sequence of the set	Range in No. of gynecologic cytology cases per year in sites operating syst.	25–125,000	2,000–75,000
Trainials (notes tables) of PC pattern Week provide profession week profession Week profession Week profession Week provide profession Week profession	0		
hencube priorbends weLAW WAY PTPY bis A weLAW WAY PTPY BIS A we			•
Hench similation requires have a specified of the set of a vanishing of the set of a vanishing of vanishing of a vanishing of vanishing of va		,	
Togumanipal paragraphic and the second parameter of the second			
Database Database processory (but processory) (but processory	• • • •		
Word processing-word word word word word word word word			
Journal of priorityMark Unity, Window 200, 2PWinscholl (Phy, PiBerster flater as preventing of priority frage19%19%Harrer flater as preventing of priority of the Char and		Oracle, XML, SQL	
a. a. b. d.	,		integrated with FileMaker Pro
a. a. b. d.	Iperating system(s)	IBM AIX (Unix), Windows 2000, XP	Windows 2000 (SP4), XP
Single private protection of the sector of			
Op/edsty/internation system/uterge/information system/			
SectoreOp/NOP/ SectoreOp/NOP/ SectoreOp/NOP/ SectoreSectoreOP/NOP/ SectoreOP/NOP/ SectoreOP/NOPSectoreOP/NoPOP/NOPSectoreOP/NOPOP/NOPSectore <td></td> <td></td> <td></td>			
Specimen index10%10%00%10%Specimen index10%1%10%1Heidory offe babel/how code take babel00%1%00%1Heidory offe babel/how code take00%100%1Word processing—submit of take babel00%100%1Word processing—submit of take babel00%100%1Word processing—submit of take babel00%100%1How and processi		100%/100%	100%/installed
 Bockman basis Bockman		100%/100%	
Histogy without base of the base of th		100%	100%
Holds worksheek100%100%100%Word processingextrained fool (Word, WordPerfere)100%100%Word processingextrained fool (Word, WordPerfere)100%100%Holds works of by of processingextrained fool (Word, WordPerfere)100%100%Honds printing of completed reports100%100%Honds printing of reports100%100% <td>•</td> <td></td> <td></td>	•		
Norm of processing—worker solutionond zanilableond zanilableView of processing—standard bod (Workerferd)100%installed/onstalle and solutionView of processing—standard bod (Workerferd)100%installed/onstalle and solutionView of processing—standard bod (Workerferd)100%installed/onstalleNorm of processing—standard bod (Workerferd)100%installedNorm of processing—standard bod (Workerferd)100%installedNorm of processing—standard bod (Workerferd)100%20%Norm of processing—standard bod (Workerferd)100%installedNorm of processing—standard bod (Workerferd)100%100%Norm of processing—standard bod (Workerferd)100%installedNorm of processing—standard bod (Workerferd)100%100%Norm of processing=standard bod (Workerferd)100%100% <td< td=""><td></td><td></td><td></td></td<>			
New Concessingstandard took (Word, Word, Percel)100%100%0 cons and increasing insigned in regionsinstalled100%0 cons and increasing insigned in regions100%100%0 cons and increasing insigned in regions100%100%0 cons and increasing insigned in regions100%100%0 cons and increasing in regions100%100%0 conside in regions and			
 Veö diras discriptionksik-end bath väck lut Nosa ard nitraccopinagas intigratingale rayots Instalad/avalable scond quarter 2007 Bochoni signiture Bochon			
 enser and increacegic insign singerbed in reports installed installed			
Echonic signature100%101%Deck Signature100%installedDeck Exerports00%installedDeck Exerports0%20%Physical Nuk access for order ontryarabits but not installed20%Physical Nuk access for order ontryarabits but not installed20%Physical Nuk access for order ontryarabits but not installed20%Physical Nuk access for order ontry00%00%Sourd-Biller reflexiol of pileten history100%100%Sourd-Biller reflexiol of pileten history100%100%Physical Nuk access for order ontry100%100%Sourd-Biller reflexiol of pileten history100%100%Physical Nuk access for order ontry100%100%Physical Nuk access for order ontry100%<			
Prome printing of complete probe100%installedNexter far regorts5%20%Nexter far regorts5%20%Nexter far regorts5%20%Nexter far regorts5%20%Nexter far regorts100%100%Nexter far regorts100% <td< td=""><td></td><td></td><td></td></td<>			
0 Inct framodia100%include0 Inct rangedia00%include2%Physical rangedia00%2%100%0 Multi step and search capability00%include2%0 Multi step and search capability00%include100%0 Multi step and search capability00%include100%0 Multi step and organ weightsincludeinclude100%0 Autopy measurements and organ weightsinclude100%100%0 Autopy measurements and organ weightsinclude100%100%0 Autopy measurements and organ weights100%100%100%0 Autopy measurements and organ weights100%100%100%0 Autopy measurements and organ weights100%100%100%0 Autopy orrelation report00%100%100%0 Autopy contradion report00%100%100%0 Autopy contradion report9%100%100%0 Autopy contradion report9%10%10%0 Aut			
Web-sade innois inquiry or parks9%0%0%Number of physical Wab access for order only00%00%Number of physical Wab access for order only00%00%Number of physical Wab access for order only00%00%Sound-line reflexiol of patient history00%00%Sound-line reflexiol of patient history00%00%Authorsy measurements and organ weights100%00%Authorsy measurements and organ weights00%00%Physical Wab access00%00%Physical Wab access00%00%Comprehessive billing and accuss receivable00%00%Neghts atfaired to unit stalled00%00%Physical Wab access00%00%Physical Wab access00%00%Comprehessive billing and accuss receivable00%00%Physical Wab access00%00%Physical Wab access <td></td> <td></td> <td></td>			
Physical Meta access for addre mityanallab but on batsiliad2%Hours is store and capability100%100%Multi store matty reasurements and regram weights100%100%Autopy mesurements and regram weights100%100%Autopy mesurements and regram weights100%100%Autopy mesurements and regram weights100%100%Coulds and reflexion and meta regram weights100%100%Coulds and reflexion and the regram weights100%100%Coulds and reflexion and the regram weights100%100%Coulds and reflexion and the regram weights100%100%Reports afficient to comply with CLA 38 regulations90%100%Reports afficient to comply with CLA 38 regulations90%100%Reports afficient to comply with CLA 38 regulations90%10%His Interface: AD/T95%/15%/15%10%10%His Interface: AD/T95%/15%10%10%Interface: AD/T95%/15%10%10%Interf	•		
Humi Bingange sarch capability10%00%Muthi Bior ontilicality wide rank network55%installedSound-Bikk retrived of polient history100%100%Antopy messarement and organ weightsinstalled100%1 mutro rank retrived of polient history100%100%1 history retrived rank retrived history100%100%1 history retrived rank retrived history100%100%1 history retrived rank retrived history100%100%1 history retrived history100%100% </td <td></td> <td></td> <td></td>			
Multi-kontiky-wide are a network55%installedinstalledAutopsy measurements and organ weightsinstalledinstalledinstalledAutopsy measurements and organ weightsinstalledinstalledinstalledinvome registry registry measurements and organ weightsinstalledinstalledinstalledCytobgy athormal			
Sound-Bike retrieval of platfix history100%100%Y- stabledinstalled/100%installed/100%Y- intropy responsive management reports100%100%Y- folgog admentsanstalled/100%100%Y- folgog adments100%100%Y- folgog adments100%100%Y- folgog adments100%100%Reports strilleitts by pathologist or cytotechnologist100%100%Reports strilleitts by pathologist or cytotechnologist00%10%Reports strilleitts compt with CLLA '88 regulators00%10%Reports strilleitts compt with CLLA '88 regulators00%10%Reports strilleitts compt with CLLA '88 regulators00%10%Hist Interface: ADM10%10%Hist Interface: ADM10%10%Y- introports of inclamations00%10%Hist Interface: ADM10%10%Y- introports of inclamations00%10%Y- introports of inclamations00%10%Y- introports of inclamations00%10%Y- introports of inclamations00%10%Y- introports of inclamations10%10%Y- introports of inclamations10%10%Y- introports of inclamations10%10%Y- introports of inclamations10%10%Y- introports of inclamatics10%10%Y- introports of inclamatics10%10%Y- introports of inclamatics10%10%Y- introports of inclamatics			
A dorgs measurements and organ weightsinstalledinstalledA dorgs measurements and organ weightsinstalled100%Cyclogy alnormal			
rum ingistry reports/management reportsinstalled/100%100%0 yology adjorneds statistics by pathologia or cytotechnologist100%100%0 yology diagnoestics statistics by pathologia or cytotechnologist100%100%1 isotago-cytotechnologist100%100%0 yology diagnoestics statistics by pathologia or cytotechnologist100%100%0 yology diagnoestics statistics by pathologia or cytotechnologist00%10%0 yology diagnoestics statistics by pathologia or cytotechnologist00%10%0 yology diagnoestics statistics by pathologia or cytotechnologist00%10%0 yology diagnoestics statistics by pathologia or cytotechnologist00%10%1 is is infrace: ADT00%00%10%1 is its infrace: ADT00%00%10%1 is its infrace: ADT00%00%10%1 is its infrace: ADT00%00%10%1 is its infrace: ADT00%00%10%2 is its infrace: ADT00%00%10%2 is its infrace: ADT00%10%10%2 is its infrace: ADT00%10%10% </td <td></td> <td></td> <td></td>			
b Cyblogy dipandinational-unsatisfactory list to doctors100%100%b Cyblogy dipandination report100%100%H Biology-cytology correlation report100%100%b Cyblogy dipandination report100%100%b Cyblogy dipandination report100%100%b Cyblogy dipandination report100%10%b Cyblogy dipandination report30%15%b Cyblogy dipandination report95%5%b Cyblogy dipandination report95%5%b Cyblogy dipandination report95%5%b Cyblogy dipandination report95%10%/svalable to no installedb Distributor Cyblogy dipandination10%/svalable to no installed10%b Distributor Cyblogy dipandination10%10%b Distributor Cyblogy distributor Cyblogy10%10%b Distributor Cyblogy distributor Cyblo			
 r priotogri diagnostics statistics by pathologist or cytotechnologist 100% r portogri diagnostics statistics by pathologist or cytotechnologist 100% r portogri statistics or cytotechnologist 100% r portogri r portogri portog			
 Histology correlation report Histology correla	, ,	100%	100%
 Histology correlation report Histology correla		100%	100%
Pepots sufficient to comply with CLA' 38 regulations100%100%I comprehensive billing and accounts receivable39%5%H Si therface: AD/T55%5%H Si therface: extent reporting/incoming clinical results65%/15%65%Portin tables or cleason score calculations67%65%Portin tables or clicason score calculations67%65%Portin tables or thing and rectinvalinstalledinstalledPortin tables or thing and rectinvalinstalledinstalledPortin tables or thing and rectinvalinstalledinstalledConsult management and reportinginstalledinstalledConsult management and reportingyes (at 10% of sites)noProvide LOINC dictionary for each new installation?yes (at 40% of sites)noProvide LOINC dictionary for each new installation?60%100%Audior exist encoded in SNOMED?yes (at 40% of sites)noProvide LOINC dictionary for each new installation?60%100%Audior exist encoded in SNOMED?yes (at 40% of sites)noProvide LOINC dictionary for each new installation?60%100%Audior exist encoded in SNOMED?yes (at 40% of sites)noProvide LOINC dictionary for each new installed lenconically transf60%100%Provide LOINC dictionary for each new installed lenconically transf60%100%Provide LOINC dictionary for each new installed lenconically transf60%100%Provide LOINC dictionary for each new installed lenconically site (at 60%		100%	100%
 omprehensive billing and accounts receivable PS interface: result reporting/incoming dincal results PS interface: result reporting Partin tables or dieason score calculations Partin tables or die die die die die die die die die die		100%	100%
 His finetace: ADT - 95% 95%	 Comprehensive billing and accounts receivable 	30%	15%
I No Interface: result reporting/incoming clinical results 85%/15% 10%/seailable but not installed 1 Interface: result reporting/incoming clinical results 87%/15% 85% 1 Interface: result reporting/incoming clinical results 87%/15% 85% 9 Partin tables or Gleasen score calculations 87% 85% 9 propring reporting installed installed 9 propring reporting installed installed 9 continue magement and reporting 100% 100% Software provides indexed field in each test definition for LOINC code? yes (at 0% of sites) no Routine results encoded in SNOMED CT? yes (at 0% of sites) no Provide LOINC dictionary for each new installed 60% of sites) no Routine results encoded in SNOMED CT? yes (at 0% of sites) no Provide Loint for sites of the table disting that reporting 60% of sites) no Routine results encoded in SNOMED CT? yes (at 0% of sites) no Routine result encoded in SNOMED CT? yes (at 0% of sites) no Routine result encoded in SNOMED CT? 90% 100% Routine result encode in SNOMED CT? yes (at 0% of sites) no Routine result encode in SNOMED CT? yes (at 0% of sites) no Routine result encode in SNOMED CT?			
Interface to external billing system60%85%Protein balks or Gelacoustoros calculationsavailable second quarter 2007installedSpriptic reportinginstalledinstalledSpriptic reportinginstalledinstalledSpriptic reportinginstalledinstalledConsult management and reportinginstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installedinstalledinstalledConsult installed sites that represent cases in free text60%installedConsult installed installed sites that represent cases in free text60%installed on a client PCConsult installed installed installed installed in solutomer registryyesinstalled on a client PCConsult installed installed in solutomer registryyesinstalled on a client PCinstalledConsult installed in solutomer registryyesinstalled on a client PCinstalledConsult installed in solutomer registryyesinstalled on a client PCinstalledConsult installed installed in solutomer registryyesinstalled on a client PCinstalledConsult installed in soluto			
P and the babes or Gleason score calculations available second quarter 2007 installed Synoptic reporting installed installed Specimen tracking and retrieval installed 100% C Biert services module installed 100% Software provides indexed field In each test definition for LOINC code? yes (at 10% of sites) no Noutine results encoded in SNOMED CT7 yes (at 40% of sites) no Very stem uses autoencoder to create SNOMED codes? yes (at 40% of sites) no Very stem uses autoencoder to create SNOMED codes? yes (at 40% of sites) no Co di installations that use AP system to automatically telectronically transf 10 in NAACCR format 21 in NAACCR format Step of charging for ASP service - - - Step of charging for ASP service 1 - - Step of charging for ASP service 1			
 Specimen tracking and retrieval installed an available second quarter 2007 installed installe	• •		
 become tracking and retrieval consult management and reporting consult for each new installation? ves (at 10% of sites) no no consult for each new installation? ves (at 10% of sites) no no consult for each new installation? ves (at 10% of sites) no no no consult for each set the represent cases in free text consult for each set to automatically electronically transfer constallations that use AP system to automatically electronically transfer constallations that use AP system to automatically electronically transfer constallation service provider solution? ves constallation and reporting constallation and reporting ves of a private, dedicated circuit requires use of a private, dedicated circuit requires use of a private, dedicated circuit constallation systems interfaced by vendor ves (french) conserver, Side labelers and stainers constallation and training/monthy maintenage constallation and training/monthy maintenagement and reporting constallation and training/monthy maintenagement and reporting consul		•	
o filest services module b Consult management and reportinginstalled installedinstalled installedConsult management and reportinginstalled100%Software provides indexed field in each test definition for LDINC code? rovide LDIKC dictionary for each new installation?ves (at 10% of sites) yes (at 40% of sites) no no nono no40 of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry10 in NAACCR format/10 in HL7 format21 in NAACCR format20 on plete AP application service provider solution? telent solutors supported from data center not operated by client to it and charging for ASP service requires software be installed on a client PC requires us of a private, dedicated circuit u requires us o			
• Consult management and reporting installed 100% Software provides indexed field in each test definition for LDINC code? yes no no Noutine results encoded in SNOMED? yes (at 10% of sites) no no Paystern uses autoencoder to SNOMED? yes (at 40% of sites) no no Paystern uses autoencoder to reade SNOMED codes? yes (at 40% of sites) no no Paystern uses autoencoder to create SNOMED codes? yes (at 40% of sites) no no Paystern uses autoencoder to create SNOMED codes? yes (at 40% of sites) no no Vo. of installed sites that represent cases in free text 60% 100% 100% 100% Somplet AP application service provider solution? yes (at 10% of sites) no - <		•	
Software provides indexed field in each test definition for LDINC code? yes no no Software provides indexed field in each test definition for LDINC code? yes no no Software provides indexed field in each test definition for LDINC code? yes no no Software provides indexed field in software provide LDINC dictionary for each new installation? yes (at 10% of sites) no no Software provides indexed field in software provide software provides indexed field in software provide installed sites that represent cases in free text 90% no no Software provide software provider software			
Provide LÖINC dictionary for each new installation? no Routine results encoded in SNOMED? yes (at 10% of sites) no Routine results encoded in SNOMED CT? yes (at 40% of sites) no Provide LÖINC dictionary for each new installation? yes (at 40% of sites) no Provide LÖINC dictionary for each sNOMED codes? yes (at 40% of sites) no Provide LÖINC dictionary for each sNOMED codes? yes (at 40% of sites) no No. of installations that use AP system to automatically electronically transf 10 in NAACCR format/10 in HL7 format 21 in NAACCR format No. of installations service provider solution? yes yes - Complete AP application service provider solution? yes - - Complete AP application service provider solution? yes - - Complete AP application service provider solution? yes - - - Silent software required requires software be installed on a client PC - - - Silent software required no - - - - Silent software required portaries software be installed			
Autime results encoded in SNOMED? yes (at 10% of sites) no Noutime results encoded in SNOMED CT? yes (at 40% of sites) no P system uses autoencoder to create SNOMED codes? yes (at 40% of sites) no P system uses autoencoder to create SNOMED codes? yes (at 40% of sites) no outime results encoded in SNOMED? yes (at 40% of sites) no thercentage of installed sites that represent cases in free text 60% 100% to, of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry 10 in NAACCR format/10 in HL7 format 21 in NAACCR format complete AP application service provider solution? yes — — complete AP application service supported from data center not operated by client 1 — — iblent contracts supported from data center not operated by client 1 — — iblent contracts supported from data center not operated by client 1 — — void at center is operated Dergen Naturally Speaking medical edition molection Misys, CPSI, Meditech Vince-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech			
buttine results encoded in SNOMED CT? yes (at 40% of sites) no P system uses autoencoder to create SNOMED codes? yes no Percentage of installed sites that represent cases in free text 60% 100% ko. of installations that use AP system to automatically electronically transfer 10 in NAACCR format/10 in HL7 format 21 in NAACCR format complete AP application service provider solution? yes no cervites software required requires software be installed on a client PC - SP information conduit requires software be installed on a client PC - folient contracts supported from data center not operated by client 1 - folient contracts supported from data center with AP system Tragon Naturally Speaking medical edition cases the markers, sile labelers and stainers Missys, CPSI, Meditech Viter information opticy laboratory instruments interfaced cerver, Sile labelers and s			
AP system uses autoencoder to create SNOMED codes? yes no Percentage of installed sites that represent cases in free text 60% 100% No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry 10 in NAACCR format/10 in HL7 format 21 in NAACCR format Complete AP application service provider solution? yes no - Method of charging for ASP service - - Client software required requires use of a private, dedicated circuit - ASP information conduit - - Client contracts supported from data center not operated by client 1 - Nov data center is operated - - - Other information systems interfaced Cerrer, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Windows packages supporting FileMaker Pro side labelers and stainers side labelers no Source code?/user group? escrow/yes (meets in person) yes/no no vest can modify screens? sou/ys0k/\$50k/\$4.55k \$1k/\$3k/00	Pauline results speeded in ONONEDO		
Percentage of installed sites that represent cases in free text 60% 100% No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry 10 in NAACCR format/10 in HL7 format 21 in NAACCR format Complete AP application service provider solution? yes no Vethod of charging for ASP service 20 in stallations that use AP system to automatically electronically transfer yes 20 in plete AP application service provider solution? yes 20 in transformation conduit requires software be installed on a client PC 21 in tomata center not operated by client 1 10 tow data center is operated 20 ther information systems interfaced Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others pragon Naturally Speaking medical edition Misys, CPS1, Meditech Windows packages supporting FileMaker Pro slide labelers no 20 ther information group? escrow/yes (meets in person) yes (French) yes/no no 20 to (thardware/finstallation and training/monthly maintenance) yes/s50k/\$50k/\$45k \$1k/\$3k/00			
No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry 10 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 22 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 22 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 22 in NAACCR format 21 in NAACCR format 21 in NAACCR format 21 in NAACCR format 22 in NAACCR format 21 in NAACCR format 22 in NAACCR format 21 in NAACCR format 23 in NAACCR format 21 in NAACCR format 24 in the installations that use AP system requires software be installed on a client PC 32 in Natural by setting interfaced in private, dedicated circuit	Routine results encoded in SNOMED CT?	yes (at 40% of sites)	no
tumor diagnoses to a tumor registry yes no Obstract of charging for ASP service Viethod of charging for ASP service Client software requires requires software be installed on a client PC ASP information conduit Dient contracts supported from data center not operated by client 1 Now data center is operated by vendor Diter information systems interfaced Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vice-recognition packages integrated with AP system Dragon Naturally Speaking medical edition Side labelers Jser interface in language other than English? escrow/yes (meets in person) yes/no ser can modify screens? yes/no no Loct (hardware/software/installation and training/monthly maintenance) \$30k/\$30k/\$50k/\$45k \$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes?	yes (at 40% of sites) yes	no no
Complete AP application service provider solution? yes no Wethod of charging for ASP service Jient software required requires software be installed on a client PC ASP information conduit Zient contracts supported from data center not operated by client 1 Jow data center is operated by vendor Other information systems interfaced Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Voice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Voice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Joice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Joice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Joice-recognition packages integrated with AP system Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misudows packages supporting FileMaker Pro Jser interface in language other than English? escrow/yes (meets in person) yes/no yes no no	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes?	yes (at 40% of sites) yes	no no
Method of charging for ASP service — — — — — — — — — — — — — — — …	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer	yes (at 40% of sites) yes 60%	no no 100%
Method of charging for ASP service — — — Ilient software required requires software be installed on a client PC — — SSP information conduit requires use of a private, dedicated circuit — — Sint ontracts supported from data center not operated by client 1 — — Jow data center is operated by vendor — — ther information systems interfaced Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vince-recognition packages integrated with AP system Cassette markers, slide labelers and stainers Slide labelers isstology and cytology laboratory instruments interfaced esser interface in language other than English? Misys (French) ource code?/luser group? escrow/yes (meets in person) yes/no yes/no isst (hardware/software/installation and training/monthly maintenance) sjok/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	toutine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer	yes (at 40% of sites) yes 60%	no no 100%
Stlent software required requires software be installed on a client PC ISP information conduit requires use of a private, dedicated circuit Ster contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center not operated by client 1 Ident contracts supported from data center is operated Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vindows packages supporting FileMaker Prosilies casette markers, slide labelers and stainers slide labelers no Isser can modify screens? escrow/yes (meets in person) yes/no no	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution?	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format	no no 100% 21 in NAACCR format
Client contracts supported from data center not operated by client 1 — How data center is operated by vendor — Other information systems interfaced Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Misys, CPSI, Meditech Vioce-recognition packages integrated with AP system Dragon Naturally Speaking medical edition Misys, CPSI, Meditech User interface in language other than English? escrow/yes (meets in person) yes/no Source code?/user group? escrow/yes (meets in person) yes/no yes yes no Cost (hardware/software/installation and training/monthly maintenance) \$30k/\$30k/\$50k/\$.45k \$1k/\$30k/00	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format	no no 100% 21 in NAACCR format
How data center is operatedby vendor—Other information systems interfaced /oice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced Jser interface in language other than English?Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French)Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers noSource code?/user group? Jser can modify screens?escrow/yes (meets in person) yesyes/no noCost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system\$30k/\$30k/\$50k/\$.45k\$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes	no no 100% 21 in NAACCR format
Now data center is operatedby vendor—Other information systems interfaced loice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced lser interface in language other than English?Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French)Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers noSource code?/user group? lser can modify screens?escrow/yes (meets in person) yesyes/no noCost (hardware/software/installation and training/monthly maintenance) > Smallest stand-alone system\$30k/\$30k/\$50k/\$.45k\$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format
Noice-recognition packages integrated with AP system Dragon Naturally Speaking medical edition Windows packages supporting FileMaker Pro Istology and cytology laboratory instruments interfaced cassette markers, slide labelers and stainers slide labelers Iser interface in language other than English? escrow/yes (meets in person) yes/no Source code?/user group? escrow/yes (meets in person) yes/no Iser can modify screens? yes no	Revenues autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Stient software required ISP information conduit Stient contracts supported from data center not operated by client	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format
/oice-recognition packages integrated with AP system Dragon Naturally Speaking medical edition Windows packages supporting FileMaker Pro distology and cytology laboratory instruments interfaced cassette markers, slide labelers and stainers slide labelers Jser interface in language other than English? escrow/yes (meets in person) yes/no Source code?/user group? escrow/yes (meets in person) yes/no Jser can modify screens? yes no	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format
Histology and cytology laboratory instruments interfaced cassette markers, slide labelers and stainers slide labelers and stainers cassette markers, slide labelers and stainers slide labelers and stainers cassette markers, slide labelers cassette cassette markers, slide labelers cassette markers, slide labelers cassette c	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor	no no 100% 21 in NAACCR format
Jser interface in language other than English? yes (French) no Source code?/user group? escrow/yes (meets in person) yes/no Jser can modify screens? yes no Cost (hardware/software/installation and training/monthly maintenance) \$30k/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Alethod of charging for ASP service Client software required ISP information conduit Client contracts supported from data center not operated by client low data center is operated Other information systems interfaced	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format no
Source code?/user group? escrow/yes (meets in person) yes/no Iser can modify screens? yes no Cost (hardware/software/installation and training/monthly maintenance) \$30k/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	Revenues autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Slient software required ISP information conduit SP information conduit Source tracts supported from data center not operated by client low data center is operated Other information systems interfaced Note-recognition packages integrated with AP system	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro
Iser can modify screens? yes no cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system \$30k/\$30k/\$50k/\$45k \$1k/\$3k/0/0	Average of installed sites that represent cases in free text Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Arethod of charging for ASP service Silient software required ISP information conduit Silient contracts supported from data center not operated by client low data center is operated Other information systems interfaced Noice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers
Jser can modify screens? yes no Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system \$30k/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text Io. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Aethod of charging for ASP service Client software required ISP information conduit Client contracts supported from data center not operated by client low data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers
Cost (hardware/software/installation and training/monthly maintenance) 9 Smallest stand-alone system \$30k/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Alethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client Now data center is operated Other information systems interfaced Noce-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced Jser interface in language other than English?	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers no
• Smallest stand-alone system \$30k/\$30k/\$50k/\$.45k \$1k/\$3k/0/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group?	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person)	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers no yes/no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced User interface in language other than English? Source code?/user group? User can modify screens?	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person)	no no 100% 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers no yes/no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced //oice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format Misys, CPSI, Meditech Windows packages supporting FileMaker Pro slide labelers no yes/no no
• Largest stand-alone system \$100k/\$500k/\$75k/\$9k \$50k/\$25k/\$3k/0	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance)	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required SSP information conduit Client contracts supported from data center not operated by client dow data center is operated Other information systems interfaced /oice-recognition packages integrated with AP system listology and cytology laboratory instruments interfaced lser interface in language other than English? Source code?/user group? lser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text lo. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required SSP information conduit Client contracts supported from data center not operated by client dow data center is operated Other information systems interfaced Method cytology laboratory instruments interfaced listology and cytology laboratory instruments interfaced liser interface in language other than English? Source code?/user group? liser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced /oice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Other information systems interfaced Moice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person) yes \$30k/\$30k/\$50k/\$.45k \$100k/\$50k/\$40k/\$.45k	no no 100% 21 in NAACCR format 21 in NAACCR format no
• integration with genetics suite, including cytogenetics, molecular, flow • customized solution with ongoing customizing support	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Dther information systems interfaced Moice-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person) yes \$30k/\$30k/\$50k/\$.45k \$100k/\$50k/\$40k/\$.45k	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Dther information systems interfaced /oice-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person) yes \$30k/\$30k/\$50k/\$.45k \$100k/\$50k/\$44k/\$.45k \$100k/\$375k/\$75k/\$6.75k	no no 100% 21 in NAACCR format
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Method of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client How data center is operated Dther information systems interfaced Moice-recognition packages integrated with AP system distology and cytology laboratory instruments interfaced Juser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) > Smallest stand-alone system Base price of integrated system, excluding AP configuration > Incremental cost to add smallest AP configuration > Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes requires software be installed on a client PC requires use of a private, dedicated circuit 1 by vendor Cerner, Siemens, McKesson, IDX, QuadraMed, Eclipsys, Dairyland, others Dragon Naturally Speaking medical edition cassette markers, slide labelers and stainers yes (French) escrow/yes (meets in person) yes \$30k/\$30k/\$50k/\$.45k \$100k/\$50k/\$44k/\$.45k \$100k/\$375k/\$75k/\$6.75k	no no 100% 21 in NAACCR format
	Puttine results encoded in SNOMED CT? P system uses autoencoder to create SNOMED codes? ercentage of installed sites that represent cases in free text to of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry pumplete AP application service provider solution? ethod of charging for ASP service ient software required SP information conduit ient contracts supported from data center not operated by client ow data center is operated ther information systems interfaced bice-recognition packages integrated with AP system stology and cytology laboratory instruments interfaced ser interface in language other than English? burce code?/user group? ser can modify screens? est (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system ase price of integrated system, excluding AP configuration Incremental cost to add smallest AP configuration Incremental cost to add largest AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes? Percentage of installed sites that represent cases in free text No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry Complete AP application service provider solution? Wethod of charging for ASP service Client software required ASP information conduit Client contracts supported from data center not operated by client dow data center is operated Other information systems interfaced /oice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced Jser interface in language other than English? Source code?/user group? Jser can modify screens? Cost (hardware/software/installation and training/monthly maintenance) • Smallest stand-alone system Base price of integrated system, excluding AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add smallest AP configuration • Incremental cost to add largest AP configuration	yes (at 40% of sites) yes 60% 10 in NAACCR format/10 in HL7 format yes 	no no 100% 21 in NAACCR format 21 in NAACCR format no

Tabulation does not represent an endorsement by the College of American Pathologists.

CMYK Page 78



80 / CAP TODAY

March 2007

Anatomic pathology computer systems

the (AP	All -	
the CAP	Part 12 of 12	WebPathLab Peter Williams peter@webpathlab.com
		1004 River Rock Drive, Ste. 240
difference	See accompanying article on page 54	Folsom, CA 95630 916-404-1840 www.webpathlab.com
	Name of anatomic pathology system	WebPathLab
	First ever AP system installation/most recent AP system installation No. of contracts for sites operating AP system (H/IL/C or GP/FI/OS)*	2000/2006 3 (0/3/0/0/0)
	 No. of contracts that went live in 2006 No. of contracts not yet live/No. of these contracts signed in 2006 	0 1/1
	No. of sites operating AP system Percentage of installations that have stand-alone AP systems	4 100%
	Staff to develop-install and support-other**	
	 In entire company In LIS division (including AP)/in AP systems only 	4-2-2 4-2-2/ 4-2-2
	No. of interactive terminals (user workstations) in sites operating system	60-317 (ave., 201)
	Range in No. of surgical pathology cases per year in sites operating system Range in No. of gynecologic cytology cases per year in sites operating syst.	2,500–12,000 2,500–12,000
	Central hardware or service type	high-end server (Dell)
	Terminals (workstations) or PC platform Innovative peripherals	any PC with Internet access
	Network installation required?/networks supported	yes/LAN, WAN, TCP/IP
	Programming language(s) Databases and tools used	ASP, ASP .Net, Asynchronous Javascript and XML (AJAX) MySQL
	Word processor(s) used Operating system(s)	Native (requires Internet Explorer 5.5 or above) Windows server
	Features (listed as a percentage of live installs or based on availability)	
	Surgical pathology information system Cytology information system/autopsy information system	100% 100%/available but not installed
	Specimen log-in/entry of block IDs	100%/100%
Established	Specimen labels Histology slide labels/bar-coded slide labels	33% 33%/33%
fields of	Histology worksheets Word processing—vendor specific	100% 100%
	Word processing—standard tools (Word, WordPerfect) Voice entry of gross description/back-end batch voice to text	not available available but not installed/not available
anatomic and	Gross and microscopic images integrated in reports Electronic signature	100%
	Remote printing of completed reports	100%
clinical	Direct fax reports Web-based remote inquiry of reports	100% 100%
pathology	Physician Web access for order entry Natural language search capability	100% 100%
pathology	Multi-site or multi-facility-wide area network Sound-alike retrieval of patient history	100% not available
	Autopsy measurements and organ weights Tumor registry reports/management reports	available but not installed available but not installed/100%
Now	Cytology abnormal—unsatisfactory list to doctors Cytology diagnostics statistics by pathologist or cytotechnologist	100%
New	Histology-cytology correlation report	100%
technologies	Reports sufficient to comply with CLIA '88 regulations Comprehensive billing and accounts receivable	100% 100%
toomologico	HIS interface: A/D/T HIS interface: result reporting/incoming clinical results	100% 100%/100%
	Interface to external billing system Partin tables or Gleason score calculations	100% not available
Laboratory	Synoptic reporting Specimen tracking and retrieval	100%
Laboratory	Client services module Consult management and reporting	100% 100%
management		
	Software provides indexed field in each test definition for LOINC code? Provide LOINC dictionary for each new installation?	no no
•••••	Routine results encoded in SNOMED?	по
	Routine results encoded in SNOMED CT? AP system uses autoencoder to create SNOMED codes?	no no
Advertise in E	Percentage of installed sites that represent cases in free text	100%
	No. of installations that use AP system to automatically electronically transfer tumor diagnoses to a tumor registry	0
CAP TODAY		Vec
	Complete AP application service provider solution? Method of charging for ASP service	yes fixed fee
<i>classifieds</i>	Client software required ASP information conduit	browser based operates over the Internet
	Client contracts supported from data center not operated by client How data center is operated	3 by vendor
for the best 🗄	Other information systems interfaced	Meditech, EpicCare
	Voice-recognition packages integrated with AP system Histology and cytology laboratory instruments interfaced	none
results.	User interface in language other than English?	yes (Spanish, Chinese)
	Source code?/user group?	escrow/no
C nll	User can modify screens?	yes
ull	Cost (hardware/software/installation and training/monthly maintenance) Smallest stand-alone system 	0/\$50k/0/\$.25k per pathologist
000	Largest stand-alone system Base price of integrated system, excluding AP configuration	0/\$70k/0/\$.25k per pathologist
ŎUU	Incremental cost to add smallest AP configuration	0/0/\$1k/\$.25k per pathologist
800 983-7737	Incremental cost to add largest AP configuration Distinguishing features (supplied by vendor)	0/0/\$10k+/\$.25k
983-7737		 100% Web based; provides universally secure access and increased efficiency
	*H=U.S. hospitals, IL=independent labs in U.S., C or GP=clinics or group practices in U.S., FI=foreign installations, OS=other sites	 provides online requisition, online reporting, online data mining of all reports, and complete interface with any HL7-capable EMR system
	**other=sales, marketing, administration, and other company functions Tabulation does not represent an endorsement by the College of American Pathologi	
	abulation does not represent an endorsement by the coneye of American Patholog	19191

 \oplus

CMYK Page 80