

Comparison between different cTAKES-based models with full and hand-filtered input.

		LR full	RF full	NB full	LR filter	RF filter	NB filter
Adv. Cancer	<i>P</i>	<b>86</b>	71	80	85	63	85
	<i>R</i>	58	48	<b>65</b>	55	39	55
	<i>F1</i>	69	58	<b>71</b>	67	48	67
	<i>AUC</i>	<b>94</b>	91	<b>94</b>	91	92	92
Adv. Heart Disease	<i>P</i>	<b>71</b>	62	52	73	59	<b>71</b>
	<i>R</i>	49	36	47	<b>59</b>	37	34
	<i>F1</i>	58	45	50	<b>65</b>	46	46
	<i>AUC</i>	88	88	83	<b>89</b>	88	87
Adv. Lung Disease	<i>P</i>	58	50	67	43	53	<b>100</b>
	<i>R</i>	25	14	29	<b>36</b>	29	14
	<i>F1</i>	35	22	<b>40</b>	39	37	25
	<i>AUC</i>	86	82	81	<b>87</b>	85	81
Chronic Neuro	<i>P</i>	75	<b>81</b>	64	80	73	78
	<i>R</i>	55	46	33	<b>62</b>	47	37
	<i>F1</i>	64	59	43	<b>70</b>	58	50
	<i>AUC</i>	<b>87</b>	86	77	86	<b>87</b>	84
Chronic Pain	<i>P</i>	49	66	36	58	66	<b>82</b>
	<i>R</i>	45	41	21	<b>52</b>	48	32
	<i>F1</i>	47	51	27	55	<b>56</b>	46
	<i>AUC</i>	78	78	73	83	<b>85</b>	81
Alcohol Abuse	<i>P</i>	88	67	63	62	<b>91</b>	73
	<i>R</i>	<b>79</b>	71	68	71	75	68
	<i>F1</i>	<b>83</b>	69	66	67	82	70
	<i>AUC</i>	95	91	91	94	<b>96</b>	93
Substance Abuse	<i>P</i>	<b>93</b>	81	67	86	89	87
	<i>R</i>	47	57	53	63	57	<b>67</b>
	<i>F1</i>	62	67	59	73	69	<b>75</b>
	<i>AUC</i>	97	92	95	97	95	<b>97</b>
Obesity	<i>P</i>	67	64	50	68	62	<b>100</b>
	<i>R</i>	70	<b>80</b>	15	65	75	35
	<i>F1</i>	68	<b>71</b>	23	67	68	52
	<i>AUC</i>	98	<b>99</b>	85	98	98	93
Psychiatric Disorders	<i>P</i>	70	74	67	78	<b>79</b>	81
	<i>R</i>	56	63	37	59	46	<b>64</b>
	<i>F1</i>	62	68	48	67	58	<b>72</b>
	<i>AUC</i>	87	88	80	90	88	<b>93</b>
Depression	<i>P</i>	81	76	74	78	79	<b>82</b>
	<i>R</i>	72	69	46	64	<b>77</b>	35
	<i>F1</i>	76	72	57	70	<b>78</b>	49
	<i>AUC</i>	<b>94</b>	91	80	90	91	85