

SUPPLEMENTAL DATA 2

The following tables list the articles that mention the performance indicators (PI) in this review. References with round brackets and without an asterisk can be found in the main manuscript. References with square brackets and an asterisk are only in this supplemental file. The articles that are on the development of the same PI list are only counted once. Therefore, we have merged the articles [1*], [2*], [3*] and (69) by Salinas and colleagues to “SAL” and the articles [4*], [5*], [6*], [7*], and (10) by members of the Institut Català de la Salut to “ICS”. Similarly, articles solely about the PIs of the College of American Pathologists (CAP) and the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) are grouped below under reference (1) and (2) from the main manuscript respectively. This grouping of articles from the laboratory medicine literature results in 132 distinct PI lists.

Laboratory medicine literature

Performance Indicator	Sources
Turnaround time	[8*], [9*], [10*], [11*], [12*], [13*], [14*], [15*], [16*], [17*], [18*], [19*], [20*], [21*], [22*], [23*], [24*], [25*], [26*], [27*], [28*], [29*], [30*], [31*], [32*], [33*], [34*], [35*], [36*], [37*], [38*], [39*], [40*], [41*], [42*], [43*], [44*], [45*], [46*], [47*], [48*], [49*], [50*], [51*], [52*], [53*], [54*], [55*], [56*], [57*], [58*], [59*], [60*], [61*], [62*], [63*] (1), (2), (3), (11), (14), (15), (16), (17), (19), (19), (24), (25), (30), (34), (36), (40), (41), (44), (45), (46), (52), (53), (54), (62), (68), (69), SAL
Identification error	[13*], [15*], [17*], [20*], [31*], [38*], [39*], [47*], [57*], [62*], [64*], [65*], [66*], [67*], [68*], [69*], [70*], [71*], [72*], [73*], [74*], [75*], [76*], [77*], [78*], [79*], [80*], [81*] (1), (2), (3), (11), (21), (22), (23), (24), (31), (32), (37), (41), (54), (55), (66), ICS
Timeliness	[11*], [12*], [13*], [14*], [24*], [28*], [30*], [34*], [37*], [42*], [44*], [50*], [51*], [57*], [76*], [77*], [82*], [83*], [84*], [85*], [86*] (1), (2), (3), (4), (11), (15), (22), (24), (25), (27), (28), (29), (30), (31), (32), (34), (44), (53), (54), ICS, SAL
Sample hemolysis	[16*], [17*], [29*], [38*], [39*], [67*], [68*], [69*], [73*], [75*], [76*], [77*], [78*], [79*], [87*], [88*], [89*], [90*], [91*] (2), (4), (11), (17), (21), (27), (28), (29), (30), (31), (32), (33), (37), ICS, SAL
Inadequate sample volume	[17*], [20*], [38*], [62*], [66*], [67*], [68*], [69*], [73*], [75*], [76*], [77*], [78*], [79*], [87*], [88*], [90*], [91*] (2), (11), (21), (22), (27), (28), (29), (30), (31), (32), (33), (34), (37), ICS, SAL
Labelling error	[11*], [15*], [57*], [67*], [69*], [71*], [72*], [76*], [77*], [81*], [87*], [88*], [92*], [93*] (1), (2), (11), (23), (27), (29), (31), (32), (37), (41), (54), (55), (68), ICS
Wrong container	[11*], [20*], [38*], [39*], [62*], [66*], [67*], [68*], [69*], [73*], [75*], [76*], [77*], [87*], [90*], [91*] (2), (11), (28), (30), (31), (32), (33), (34), (37), (41)
Clotted sample	[17*], [38*], [39*], [67*], [68*], [73*], [75*], [76*], [78*], [79*], [87*], [88*], [91*] (2), (4), (11), (17), (22), (27), (28), (34), (37), (38), ICS, SAL
Sample lost/ Not received	[11*], [20*], [67*], [75*], [76*], [77*], [78*], [79*], [87*], [88*], [91*], [92*] (2), (11), (17), (23), (27), (28), (29), (30), (40), (41), (68), ICS

Cost	[12*], [13*], [18*], [23*], [24*], [26*], [28*], [37*], [39*], [44*], [51*], [57*], [62*], [65*], [71*], [82*] (4), (15), (43), (44), (45), (46), (68), (69)
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Production processes

Performance Indicator	Sources
Work-in-process	[94*], [95*], [96*], [97*], [98*], [99*], [100*], [101*], [102*], [103*], [104*], [105*], [106*], [107*], [108*] (8), (9), (21), (26), (48), (49), (50), (56)
Turnaround time	[94*], [95*], [96*], [97*], [98*], [101*], [102*], [103*], [104*], [105*], [106*], [109*], [110*], [111*], [112*], [113*] (8), (9), (21), (26), (48), (61), (64)
Resource utilization	[95*], [96*], [97*], [98*], [100*], [104*], [105*], [107*], [108*], [114*], [115*], [116*] (8), (21), (26), (48), (49), (56), (64)
Cost	[94*], [95*], [98*], [108*], [111*], [113*], [117*], [118*], [119*] (9), (21), (26), (63)
Material handling cost	[96*], [97*], [98*], [102*], [113*], [114*], [119*] (21), (56), (58), (60), (61)
Throughput	[97*], [102*], [103*], [104*], [107*], [111*] (9), (26), (56), (58)
Timeliness	[95*], [101*], [102*], [103*], [104*] (9), (21), (26)
Waiting time	[101*], [102*], [105*], [108*] (21), (56), (61)
Maintenance/downtime	[102*], [103*], [105*], [113*] (9), (26), (49)
Safety	[96*], [98*], [114*], [117*], [118*] (63), (64)

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