

Accepted Manuscript

Diagnostic laboratories in Asia Pacific region: Investigation on quality characteristics and time of reporting

Tony C. Badrick, Anton Gutscher, Nakako Sakamoto, Daniel Chin



PII: S0009-9120(17)30032-2
DOI: doi: [10.1016/j.clinbiochem.2017.03.017](https://doi.org/10.1016/j.clinbiochem.2017.03.017)
Reference: CLB 9507

To appear in: *Clinical Biochemistry*

Received date: 15 January 2017
Revised date: 9 March 2017
Accepted date: 19 March 2017

Please cite this article as: Tony C. Badrick, Anton Gutscher, Nakako Sakamoto, Daniel Chin , Diagnostic laboratories in Asia Pacific region: Investigation on quality characteristics and time of reporting. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Clb(2017), doi: [10.1016/j.clinbiochem.2017.03.017](https://doi.org/10.1016/j.clinbiochem.2017.03.017)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Diagnostic laboratories in Asia Pacific Region: investigation on quality characteristics and time of reporting

Tony C Badrick¹, Anton Gutscher², Nakako Sakamoto² and Daniel Chin²

1. Royal College of Pathologists of Australasia, Sydney, Australia
2. Roche Diagnostics Asia Pacific Pte Ltd, Singapore

1. Corresponding author: tony.badrick@rcpaqap.com.au

Keywords; Survey; diagnostic laboratory; turnaround time, quality; customer service.

Highlights;

- Largest published survey of Asia Pacific diagnostic laboratories
- Most participants wish to achieve ISO 15189 Accreditation
- Most laboratories measure TAT
- Quality activities are commonly undertaken

Abstract

This is the result of a Survey of various aspects of quality, cost and speed in a large sample of diagnostic laboratories in the Asia Pacific region. It is the first of its type to be published and represents a snapshot of the current performance in a large number of diagnostic laboratories in a broad range of countries in the Asia Pacific region.

This demonstrates that there are common issues facing all the laboratories surveyed but also common solutions using a Quality Systems approach which involves Accreditation, Customer responsiveness, greater use of IT, automation and Lean principles.

The Survey provides data on some quality characteristics such as Turnaround Time (TAT) and quality improvement activities. It has been the case that some of the KPIs have improved over the course of the Surveys for example a reduction in the average TAT, and it might be that this occurred as a result of participation. Most laboratories have a target of 46-60 minutes for STAT (Short Turnaround Time) on Clinical Chemistry and Immunoassay samples.

Introduction

In vitro diagnostics (IVDs) have long been considered as the “silent champion” of healthcare, influencing over 60 % of clinical decision-making, while accounting for only about 2 % of total healthcare spending [1]. IVDs enable healthcare professionals to work more knowledgeably so that they can make better treatment decisions. As such, there was a growing awareness of the impact of diagnostic error for many years [2], even if the scale of that error was not fully realised until recently [3].

However it was The Institute of Medicine’s report, “Improving Diagnosis in Health Care” [4] that provided a detailed analysis of the causes and a strategy to systematically reduce these

Download English Version:

<https://daneshyari.com/en/article/5510215>

Download Persian Version:

<https://daneshyari.com/article/5510215>

[Daneshyari.com](https://daneshyari.com)